DOCKETED	
Docket Number:	22-SPPE-02
Project Title:	San Jose Data Center 04
TN #:	245984
Document Title:	San Jose Data Center 04 - SPPE Application - OCR - Appendix F, Part IV
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	9/11/2022 10:52:56 AM
Docketed Date:	9/12/2022

HEWLETT-PACKARD SAN JOSE SITE
350/370 West Trimble Road

Hewlett-Packard Comp
• Components Group
• Microwave Semiconductor Division
• Optical Communication Division
• Optoelectronics Division
370 West Trimble Road
San Jose California 95131

HEWLETT PACKARD

January 29, 1991
Up-date

San Jose Hospital
Attn: Jean Parrish, Head Nurse, Emergency
675 East Santa Clara Street
San Jose, CA 95112

RE: Hazardous Waste Contingency Plan for response to emergencies
FOR: Hewlett Packard San Jose Site
350/370 West Trimble Road
San Jose, CA 95131-1008

This attached information is sent to comply with California Department of Health Services regulations*, and to allow for preplanning by your agency. The information refers only to the hazardous waste accumulation areas of the Hewlett Packard Site unless noted otherwise. The information familiarizes you with the layout of our manufacturing site and the layout of the hazardous waste accumulation areas which support the semiconductor manufacturing operations. Information is included on the properties of hazardous waste handled, associated hazards, places where personnel would normally be working, entrances, roads, and possible evacuation routes. The attached plan is a Hazardous Waste Contingency Plan for response to emergencies which create a release or fire related to hazardous waste at Hewlett Packard San Jose Site.

In addition to this plan, the Hewlett Packard San Jose Site has submitted a Hazardous Materials Management Plan (HMMP) to the San Jose Fire Department Hazardous Materials Division. The HMMP contains information on chemical and waste storage at the HP San Jose Site, as well as details on the Site Emergency Response Procedures for chemical and waste spills . The attached Contingency Plan deals only with the actions necessary when a hazardous waste is released to soil, water, or air.

It is our understanding that you are the primary police emergency authority for the Hewlett Packard San Jose Site, and we will continue to send you information as required until we hear otherwise from you.

Please contact me if you wish to make any additional advance planning arrangements based on this Contingency Plan, or if you have any questions. My phone is 408-435-4183.

Regards,

Gail D Brownell

Gail D. Brownell, Environmental Manager
Hewlett Packard San Jose Site
350/370 West Trimble Road, 91BC
San Jose, Ca 95131

*California Administrative Code, Title 22, Division 4,
Section 67142

SENDER. Complete items 1 and 2 when additional services are desired, and complete items 3 and 4

Put your address in the "RETURN TO" Space on the reverse side Failure to do this will prevent this card from being returned to you The return receipt fee will provide you the name of the person delivered to and the date of delivery For additional fees the following services are available Consult postmaster for fees and check box(es) for additional service(s) requested

1 ☐ Show to whom delivered, date, and addressee's address *(Extra charge)*

2 ☐ Restricted Delivery *(Extra charge)*

3 Article Addressed to
SAN JOSE HOSPITAL
JEAN PARRISH, HEAD NURSE, EMER.
675 EAST SANTA CLARA STREET
SAN JOSE, CA 95112

4 Article Number
P 946-349-766

Type of Service
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED

5 Signature — Addressee
X

6 Signature — Agent
X

7 Date of Delivery
2/7/91

8 Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Apr 1989 *USGPO 1989-238-815 DOMESTIC RETURN RECEIPT

P 946 349 766

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to SAN JOSE HOSPITAL JEAN PARRISH, HEAD NURSE, EMER	
Street and No. 675 EAST SANTA CLARA ST	
P.O. State and ZIP Code SAN JOSE, CA 95112	
Postage	$ 1.44
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.00
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	$ 3.44
Postmark or Date	

STN 95112 FEB 1991 SAN JOSE CA

PS Form 3800, June 1985

V. COPIES OF CONTINGENCY PLAN [67142]
Copies of the plan and revisions are kept:
1. In the waste accumulation area, building 90 Service Yard
2. In the waste handlers office area in the Service Building
3. In the Environmental Department
4. In the San Jose Site Emergency Procedures Manual at the Main Lobby in Building 90, 350 West Trimble Road.
5. Safety Central Files, c/o Shig Oshimo

A copy of the plan has been submitted to:

1. Police: San Jose Police Department
201 W. Mission
San Jose, CA

2. Fire: Hazardous Materials Division
Attn: Janet McCarron, Manager
4 North 2nd Street, Suite 1100
San Jose, CA 95113

3. Hospital: San Jose Hospital,
675 East Santa Clara Street
San Jose, CA

4. Local Emergency Planning Committee:
360 Civic Drive, Suite 1
Pleasant Hill, CA 94523

ARRANGEMENTS WITH LOCAL AUTHORITIES [67126]
Members of the local fire station have participated in ERT drills at San Jose Site, as well as toured the site to become familiar with the location of hazardous materials. The Hazardous Materials Inspectors in the Fire Department spend about two weeks a year at San Jose Site, performing a wall to wall inspection for hazardous materials management. These inspections and drills give Fire personnel familiarity with San Jose Site and enable them to better respond to all types of emergencies.

The San Jose Site Health Services Department works with nearby hospitals and emergency services to keep them familiar with the types of chemicals used at San Jose Site. They have made the arrangements described below to ensure adequate emergency treatment for Hewlett Packard employees in the event of a chemical or physical accident. Treatment protocols for hazardous chemicals used at the San Jose Site have been reviewed with community emergency response agencies. In addition, HP San Jose Site retains a physician/consultant who approves protocols (Dr. Jeffrey Dunham 408-988-6868).

The following emergency response procedures will be followed in the event of chemical exposure.

1. Decontamination of victims by the HP emergency response team.

2. Emergency treatment and life support by HP emergency response team and nurses.

3. Activiation of Emergency Medical Service (call 911).

4. Contact Poison Control 408-299-5112 Dr. Gary Eberson, director Edith Studer-Rondeau, poison center specialist.

5. Victim transported to San Jose Hospital.

6. Notify emergency room of victim arrival and exposure.

GOAL: To ensure adequate emergency treatment for Hewlett Packard employees in the event of a chemical or physical accident.

OBJECTIVES:

1. To develop communication channels with community agencies.
2. To familiarize agency personnel with common materials used in HP's semiconductor operation.
3. To review current toxicology of the most hazardous chemicals in use.
4. To gather information regarding the capabilities of community agencies to respond to chemical and/or physical accidents.
5. To identigy discrepancies and deficiencies in emergency response procedures.
6. To identify HP's role in the emergency response effort.
7. To construct emergency protocols at HP that are consistent with current treatment guidelines in the community.

In addition to submitting a copy of the Contingency Plan to the local authorities listed in section V. of the Contingency Plan (COPIES OF THE CONTINGENCY PLAN), additional information is being sent along with the contingency plan. This information allows these authorities to prepare for the potential need for the services of these organizations. All of this information comes from Hewlett Packard's Hazardous Materials Management Plan, which has been submitted to the San Jose Fire Department in compliance with the San Jose Hazardous Materials Storage Ordinance. The information is presented preceding the Contingency Plan, and includes:

1) The layout of the hazardous waste accumulation areas, as well as the general layout of the two buildings which comprise the semiconductor manufacturing operations;
2) Information on the properties of hazardous waste handled at the hazardous waste accumulation areas, as well as the associated hazards of these wastes;
3) Notations on the layouts showing locations where hazardous waste personnel would normally be working, as well as notations showing where semiconductor manufacturing employees would normally be working;
4) Notations on the layouts showing entrances to and roads near the hazardous waste accumulation areas (there are no roads INSIDE the hazardous waste accumulation areas: they are not that large!), as well as possible evacuation

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
20 Moorpark Avenue East Wing Room 204
San Jose California 95128-2690
(408) 299-6930 FAX 280-6479

RECEIVED BY
ENVIRONMENTAL HEALTH
HMCD
AUG 4
~~JUL 31~~ 3 57 PM '94

CERTIFICATION OF COMPLIANCE

BUSINESS NAME: Hewlett Packard. INSPECTOR Mohammad Janjua

COUNTY I.D. NO. 501151 DATE OF INSP. 7/5/94

SITE ADDRESS: 350/370 W. Trimble Rd.

I certify under penalty of law that:

This Business has corrected all violations marked on the official notice of inspection.

I have personally examined any documentation attached to this certification to establish that the violations have been corrected.

Based on my examination of the attached documentation and inquiry of the individuals who prepared or obtained it, I believe that the information is true, accurate, and complete.

I am authorized to file this certification for the Business.

I am aware that there are significant penalties for submitting false information.

Signed. Stew Crook

Printed or Typed Name: STEWART CROOK

Title: ENV. REPRESENTATIVE Date: 8/2/94

Mail To: Deputy Director
Hazardous Materials Compliance Division
P.O. Box 28070
San Jose, CA 95159-8070

Reviewed By _____

Date 8/8/94

Board of Supervisors Michael M Honda Zoe Lofgren Ron Gonzales Rod Diridon Dianne McKenna

8 006

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

Hazardous Materials Compliance Division
2220 Moorpark, Avenue, East Wing, Room 204
San Jose, California 95128-2690
(408) 299-6930 FAX 280-6479

Clarify Billing and Payment

HAZARDOUS WASTE GENERATOR OFFICIAL NOTICE OF INSPECTION

DBA/NAME	Hewlett Packard - Trimble.	EPA # CAT000611400	COMPUTER # 501151
ADDRESS	350/370 W. Trimble Rd. SJ.		DATE 7/5/94 SC 01
CONTACT PERSON	Stewart Crook		HOURS 3.5 WORK AREA 607
COMPANY PRESIDENT/OWNER ETC	Chemical Waste Manager		EMP # 681 DAYS GIVEN 30
COMPANY MAILING ADDRESS	Same.	1 2 3 4	ENTERED 7-7-94 BY W7

VIOLATIONS: Item(s) checked below represent a violation of referenced sections of Title 22 of Calif Code of Regulations, and/or Chapter 6 5 of the Health & Safety Code for which there are civil and criminal penalties in addition to fines ranging from $2,000 to $250,000 per day per violation Time granted for correction of violations does not preclude any enforcement action by this department or other agencies

(01) HAZARDOUS WASTE DETERMINATION

☐ 66262 11 Hazardous waste determination not made

(02) DISPOSAL

☐ 25189 5 Disposal of hazardous waste and/or extremely hazardous waste to trash/dumpster/ground
☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to storm drain
☐ 25189 5 Disposal of hazardous waste and/or extremely hazardous waste to sewer/septic system without permit
☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to an unpermitted facility

(03) EPA NUMBER/PERMITS

☐ 66262.12 Waste generator operating without EPA ID No.
☐ 66270 1 On-site waste treatment/disposal without permit
☐ 67430 1 Handling/disposal of extremely hazardous waste without permit

(04) ACCUMULATION TIME AND MANAGEMENT OF CONTAINERS/TANKS

☐ 66262.34(c) Waste accumulated on site greater than 90 days without an extension from Dept. of Health Services
☒ 66262.34(f) Accumulation start date on waste container not marked (legible)
☐ 66262.34(f) Description of contents/hazardous property of waste/generator name and address not marked on container
☐ 66265.171 Hazardous waste container not in good condition
☐ 66265.172 Waste incompatible with container
☐ 66265.173 Waste containers not closed/sealed during storage
☐ 66265 177(c) Waste containers not handled/stored/segregated to minimize waste release/reaction
☐ 66265.174 Container storage area not inspected weekly
☐ 66266.130 Improper management of used oil filters

☐ 66262.34(f) "HAZARDOUS WASTE" not clearly marked on containers/tank
☐ 66262 34(d) Tank greater than 5000 gallons of hazardous waste without permit
☐ 66256.194(3) Open tank less than 2 ft freeboard without double containment
☐ 66265.199 Incompatibles in same tank
☐ 66265.195 Tank and tank equipment not inspected daily/not documented in operating record of the facility

(05) RECORDKEEPING AND REPORTING

☐ 66262 11 Waste analysis/test records not kept for at least 3 years
☐ 66262.41 Biennial Report not sent to Dept. of Health Services
☐ 66262.41 Biennial Report incomplete/incorrect
☐ 66262.40 Biennial Report copy/Exception Report not retained

Received by: Stew Crook Inspected by: [signature]

5184

(06) TRAINING

- ☐ 66265 16 Training Program not provided
- ☐ 66265.16(b) Personnel untrained and unsupervised
- ☐ 66265.16(b) Hazardous waste personnel not trained within 6 months of hire date
- ☐ 66265.16(d) Training records not kept on site
- ☐ 66265.16(1) Training records missing job title/names of hazardous waste employees
- ☐ 66265.16(2) Training records missing description of position
- ☐ 66265.16(e) Training records not maintained until closure of facility or at least 3 years (for former employees)

(07) CONTINGENCY PLAN/BUSINESS PLAN

- ☐ 66265.53(b) Contingency/Business Plan not submitted/made
- ☐ 66265.52(a) Plan does not describe personnel response in emergencies
- ☒ 66265.52(b) Plan missing agreements with local emergency response agencies/hospitals
- ☒ 66265.52(d) Plan missing names/addresses/phone numbers of emergency coordinators
- ☐ 66265.52(e) Plan missing list of emergency equipment/locations
- ☐ 66265.52(f) Plan does not contain evacuation procedures/routes
- ☐ 66265 53 Copy of Plan not maintained on site
- ☐ 66265.54 Plan not amended as necessary
- ☐ 66265.55 Emergency coordinator not familiar with facility/Contingency Plan

(08) PREPAREDNESS AND PREVENTION

- ☐ 66265.32(a) Internal communications or alarm system not provided
- ☐ 66265 32 A device capable of calling outside emergency help not provided
- ☐ 66265.34 No access to communication/alarm system during waste handling
- ☐ 66265.32(c) No fire/spill control or decontamination system
- ☐ 66265.33 Emergency equipment not tested/maintained
- ☐ 66265.35 Required aisle space not maintained

(09) MANIFEST/RECEIPTS

- ☐ 66262.20 Waste shipped without a manifest
- ☐ 66263.42 Modified manifest/receipt not kept/not available/incomplete
- ☐ 25250.8 Waste oil modified manifest/receipt not kept/not available/incomplete
- ☐ 66262.23 Manifest copies not sent to DOHS within 30 days
- ☐ 66262.23 Applicable sections of manifest not properly filed out
- ☐ 66262.23 Manifest missing GENERATOR information
- ☐ 66262.20 Manifest missing TRANSPORTER information
- ☐ 66262.23 Manifest missing TSDF information
- ☐ 66262 23 Manifest missing waste description/quantity
- ☐ 66262.23 Manifest unsigned/undated by GENERATOR
- ☐ 66262 23 Manifest unsigned/undated by TRANSPORTER
- ☐ 66262.42 No attempt to determine status of waste when no TSDF manifest copy received within 35 days of shipment
- ☐ 66262 42 Exception Report not sent to DOHS within 45 days
- ☐ 66262 40 Manifest copy not kept for 3 years from shipment

(10) TRANSPORT

- ☐ 66262.12 Waste offered to transporter without EPA ID No
- ☐ 66262.12 Waste offered to TSD facility without EPA ID No.
- ☐ 66263.17 Waste transported by unregistered hauler

(11) EMERGENCY PROCEDURES

- ☐ 66265 56 Character/source/extent of emergency not determined
- ☐ 66265 56 Proper agencies not notified of health/environmental hazards
- ☐ 66265 56 Emergency data not logged/submitted to DTSC and Santa Clara County within 15 days of accident
- ☐ 66265 56 Released waste/contaminated equipment improperly treated, handled, stored, or disposed

(12) OTHER

- ☐ _____
- ☐ _____

DBA/NAME H.P. Trimble. Address 350/370 W. Trimble Rd.

Received by. _____ Inspected by: _____

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
2220 Moorpark Avenue
San Jose, California 95128
(408) 299-6930
FAX (408) 280-6479

☐ **HAZARDOUS MATERIALS STORAGE**
☒ **HAZARDOUS WASTE GENERATOR**
OFFICIAL NOTICE OF INSPECTION

DATE 7/5/94

DBA/NAME H.P. Trimble

Comments (see marked violations on page 1)

66262.34 (f) 1x55 gallon Drum - does not accumulation Start date marked legible.

66265.52(b) The Contingency plan does not a written agreement with local hospital.

The Violations noted above must be Corrected within 30 days and reported in writing

Received by:

Inspected by:

Hazardous Materials Compliance Division

Samples taken? Yes No

Photos taken? Yes No

JJ

County of Santa Clara
Memorandum

Trimble Rd
generator file

To Jim
From Randy
Subject Hewlett Packard - Trimble Rd

Date 9/10/92
350-370 W. Trimble Rd
San Jose

Had to inspect satellite waste containers - didn't have time for 7/9/92 with Kelly.

No violations

Randy

County of Santa Clara
Health Department

2220 Moorpark Avenue
San Jose, California 95128

FILE

July 14, 1992

Bill Craven, V.P.
Hewlett Packard Company
350/370 W Tremble Road
San Jose, CA 95131-1008

Dear Mr. Craven:

On July 9, 1992 the Health Department Office of Toxics Enforcement conducted an inspection at the above mentioned facility. On this occasion no violations of the hazardous waste statutes (Health and Safety Code) and/or regulations (Title 22 California Code of Regulations) were found.

Hazel Kelly, acting as a representative for this facility has a copy of the inspection report.

If you have any questions regarding this letter, please contact Randy Mulrine (408) 299-6930.

Sincerely,

Randy Mulrine
Hazardous Materials Specialist

Jim Blamey R.E.H.S.
Supervising Hazardous Materials Specialist

RM:JB:wr

cc: Hazel Kelly, Environmental Rep., Hewlett Packard Company
Gail Brownell, Hewlett Packard Company
Jerry Thorne, Hewlett Packard Company
Steve Breshears, Hewlett Packard Company

Board of Supervisors: Michael M. Honda Zoe Lofgren Ron Gonzales Rod Diridon Dianne McKenna
County Executive: Sally R. Reed

County of Santa Clara

Health Department
Office of Toxics Enforcement

2220 Moorpark Avenue
San Jose, California 95128

HAZARDOUS WASTE GENERATOR OFFICIAL NOTICE OF INSPECTION

DBA/NAME Hewlett Packard Company	EPA # CAT000611400	COMPUTER # 501151	
ADDRESS 350/370 West Trimble Road		DATE 7/9/92	SC 1
CONTACT PERSON Hazel Kelly, Environmental Rep.		HOURS 4.5	WORK AREA 607
COMPANY PRESIDENT/OWNER ETC Bill Craven, Vice President		EMP # 665	DAYS GIVEN N/A
COMPANY MAILING ADDRESS Same	1 2 (3) 4	ENTERED 7-13-92	BY WJ

* Please c.c. Hazel Kelly, Gail Brownell, and Jerry Thorne, Steve Bresheers

VIOLATIONS: Item(s) checked below represent a violation of referenced sections of Title 22 of Calif Code of Regulations, and/or Chapter 6 5 of the Health & Safety Code for which there are civil and criminal penalties in addition to fines ranging from $2,000 to $250,000 per day per violation Time granted for correction of violations does not preclude any enforcement action by this department or other agencies

(01) HAZARDOUS WASTE DETERMINATION

☐ 66262.11 Hazardous waste determination not made

(02) DISPOSAL

☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to trash/dumpster/ground
☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to storm drain
☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to sewer/septic system without permit
☐ 25189.5 Disposal of hazardous waste and/or extremely hazardous waste to an unpermitted facility

(03) EPA NUMBER/PERMITS

☐ 66262 12 Waste generator operating without EPA ID No.
☐ 66270.1 On-site waste treatment/disposal without permit
☐ 67430.1 Handling/disposal of extremely hazardous waste without permit

(04) ACCUMULATION TIME AND MANAGEMENT OF CONTAINERS/TANKS

☐ 66262.34(c) Waste accumulated on site greater than 90 days without an extension from Dept. of Health Services
☐ 66262.34(f) Accumulation start date on waste container not marked/legible
☐ 66262.34(f) Description of contents/hazardous property of waste/generator name and address not marked on container
☐ 66265.171 Hazardous waste container not in good condition
☐ 66265.172 Waste incompatible with container
☐ 66265.173 Waste containers not closed/sealed during storage
☐ 66265.177(c) Waste containers not handled/stored/segregated to minimize waste release/reaction
☐ 66265.174 Container storage area not inspected weekly
☐ 66266.130 Improper management of used oil filters

☐ 66262 34(f) "HAZARDOUS WASTE" not clearly marked on containers/tank
☐ 66262.34(d) Tank greater than 5000 gallons of hazardous waste without permit
☐ 66256.194(3) Open tank less than 2 ft. freeboard without double containment
☐ 66265.199 Incompatibles in same tank
☐ 66265.195 Tank and tank equipment not inspected daily/not documented in operating record of the facility

(05) RECORDKEEPING AND REPORTING

☐ 66262.11 Waste analysis/test records not kept for at least 3 years
☐ 66262.41 Biennial Report not sent to Dept. of Health Services
☐ 66262.41 Biennial Report incomplete/incorrect
☐ 66262 40 Biennial Report copy/Exception Report not retained

Received by: Hazel Kelly Inspected by: Randy Wulin 93 Kelley Johnston

(06) TRAINING

- ☐ 66265.16 Training Program not provided
- ☐ 66265.16(b) Personnel untrained and unsupervised
- ☐ 66265.16(b) Hazardous waste personnel not trained within 6 months of hire date
- ☐ 66265.16(d) Training records not kept on site
- ☐ 66265.16(1) Training records missing job title/names of hazardous waste employees
- ☐ 66265.16(2) Training records missing description of position
- ☐ 66265.16(e) Training records not maintained until closure of facility or at least 3 years (for former employees)

(07) CONTINGENCY PLAN/BUSINESS PLAN

- ☐ 66265.53(b) Contingency/Business Plan not submitted/made
- ☐ 66265.52(a) Plan does not describe personnel response in emergencies
- ☐ 66265.52(b) Plan missing agreements with local emergency response agencies/hospitals
- ☐ 66265.52(d) Plan missing names/addresses/phone numbers of emergency coordinators
- ☐ 66265.52(e) Plan missing list of emergency equipment/locations
- ☐ 66265.52(f) Plan does not contain evacuation procedures/routes
- ☐ 66265.53 Copy of Plan not maintained on site
- ☐ 66265.54 Plan not amended as necessary
- ☐ 66265.55 Emergency coordinator not familiar with facility/Contingency Plan

(08) PREPAREDNESS AND PREVENTION

- ☐ 66265.32(a) Internal communications or alarm system not provided
- ☐ 66265.32 A device capable of calling outside emergency help not provided
- ☐ 66265.34 No access to communication/alarm system during waste handling
- ☐ 66265 32(c) No fire/spill control or decontamination system
- ☐ 66265.33 Emergency equipment not tested/maintained
- ☐ 66265.35 Required aisle space not maintained

(09) MANIFEST/RECEIPTS

- ☐ 66262 20 Waste shipped without a manifest
- ☐ 66263.42 Modified manifest/receipt not kept/not available/incomplete
- ☐ 25250.8 Waste oil modified manifest/receipt not kept/not available/incomplete
- ☐ 66262.23 Manifest copies not sent to DOHS within 30 days
- ☐ 66262 23 Applicable sections of manifest not properly filed out
- ☐ 66262.23 Manifest missing GENERATOR information
- ☐ 66262.20 Manifest missing TRANSPORTER information
- ☐ 66262.23 Manifest missing TSDF information
- ☐ 66262.23 Manifest missing waste description/quantity
- ☐ 66262.23 Manifest unsigned/undated by GENERATOR
- ☐ 66262.23 Manifest unsigned/undated by TRANSPORTER
- ☐ 66262.42 No attempt to determine status of waste when no TSDF manifest copy received within 35 days of shipment
- ☐ 66262.42 Exception Report not sent to DOHS within 45 days
- ☐ 66262.40 Manifest copy not kept for 3 years from shipment

(10) TRANSPORT

- ☐ 66262.12 Waste offered to transporter without EPA ID No.
- ☐ 66262 12 Waste offered to TSD facility without EPA ID No.
- ☐ 66263.17 Waste transported by unregistered hauler

(11) EMERGENCY PROCEDURES

- ☐ 66265 56 Character/source/extent of emergency not determined
- ☐ 66265 56 Proper agencies not notified of health/environmental hazards
- ☐ 66265.56 Emergency data not logged/submitted to DTSC and Santa Clara County within 15 days of accident
- ☐ 66265.56 Released waste/contaminated equipment improperly treated, handled, stored, or disposed

(12) OTHER

- ☐ _____ _____
- ☐ _____ _____

DBA/NAME Hewlett Packard/ 350/370 Trimble Road Address SJ 95131-1008

Received by: Hazel Kelly Inspected by: Randy Mishima BB Kelley Johnston

County of Santa Clara
Health Department
Office of Toxics Enforcement

2220 Moorpark Avenue
San Jose, California 95128
(408) 299-6930

☐ **HAZARDOUS MATERIALS STORAGE**
☒ **HAZARDOUS WASTE GENERATOR**
OFFICIAL NOTICE OF INSPECTION

DATE 7/9/92

DBA/NAME Hewlett Packard, 350 W Tremble Road, SJ

Comments: (See marked violations on page 1)

No violations found.

Received by: Abigail Kelley

Inspected by. Randy Mylnarik 83
Kelley Johnston

Samples taken? Yes (No)

Photos taken? Yes (No)

CFR

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name ~~HEWLETT-PACKARD COMPANY~~ _____ Manifest Doc No. _____

CWM Profile Number _____ State Manifest No

1. Is this waste a non-wastewater or a wastewater? (See 40 CFR 268 2) Check ONE ☐ Non-Wastewater ☐ Wastewater
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B1, or B2) next to each restriction that is applicable: _____HOCs. _____PCBs. _____Acid, _____Metals. _____Cyanides
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261 For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory Also check which treatment standards apply Spent solvent and California List treatment standards are listed on the back of this form If F039, multi-source leachate applies, those standards must be attached by the generator

REF #	4 US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION IF NOT APPLICABLE SIMPLY CHECK NONE		6. APPLICABLE TREATMENT STANDARDS			7. HOW MUST THE WASTE BE MANAGED ENTER THE LETTER FROM BELOW
				6 a - PERFORMANCE-BASED CHECK AS APPLICABLE		6 b - SPECIFIED TECHNOLOGY IF APPLICABLE ENTER THE 40 CFR 268 42-TABLE 1 TREATMENT CODE(S)	
		DESCRIPTION	NONE	268 41(a)	268 43(a)	268 42(a)	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

To list additional USEPA waste code(s) and subcategory(s) use the supplemental sheet provided (CWM-2001-B) and check here ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, or D) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268 7) Please understand that if you enter the letter B1, B2, B3, or D you are making the appropriate certification as provided below

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D 268 32, or RCRA Section 3004(d)

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that based upon my inquiry of those individuals immediately responsible for obtaining this information I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268 32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste I am aware that there are significant penalties for submitting a false certification including the possibility of a fine and imprisonment"

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268 42 I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment"

B.3 GOOD FAITH ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264 Subpart O or Part 265 Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment"

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension Enter the effective date of prohibition in column 7 above.

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268 32 or RCRA Section 3004(d), and therefore can be land disposed without further treatment A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility named above "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth on 40 CFR 268 32 or RCRA section 3004(d) I believe that the information I submitted is true, accurate and complete I am aware that there are significant penalties for submitting false certification, including the possibility of a fine and imprisonment"

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information

Signature _____ Title ~~ENVIRONMENTAL REPRESENTATIVE~~ Date _____

Printed on recycled paper

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM—REVERSE SIDE

SOLVENT AND CALIFORNIA LIST TREATMENT STANDARDS

If the waste identified on the other side of this form is described by any of the following US EPA hazardous waste codes F001 F002 F003 F004 F005 and or this hazardous waste is subject to any prohibitions identified as California List restrictions (40 CFR 268 32 and or RCRA Section 3004(d)), then this page MUST accompany the shipment, along with the opposite side of this form If the waste code F039 describes this waste, then the corresponding treatment standards must be attached

SOLVENT WASTE TREATMENT STANDARDS

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard*		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s)	Treatment Standard*	
	Wastewaters	Nonwastewaters		Wastewaters	Nonwastewaters
Acetone (F003)	0 05	0 59	Methylene chloride (F001 F002)	0 20	0 96
Benzene (F005)	40 CFR 268 43(a) - 0 07	40 CFR 0 07 40 CFR268 43(a) - 3 7	Methylene chloride from pharmaceutical production (F001 F002,F003 F004 F005)	40 CFR 268 43(a) - 0 44	0 96
n Butyl alcohol (F003)	5 0	5 0	Methyl ethyl ketone (F005)	0 05	0 75
Carbon disulfide (F005)	1 05	4 81	Methyl isobutyl ketone (F003)	0 05	0 33
Carbon tetrachloride (F001)	0 05	0 96	Nitrobenzene (F004)	0 66	0 125
Chlorobenzene (F002)	0 15	0 05	2-Nitropropane (F005)	40 CFR 268 42 - [(WETOX or CHOXD) followed by CARBN] or INCIN	40 CFR 268 42 - INCIN
Cresols (and cresylic acid) (F004)	2 82	0 75	Pyridine (F005)	1 12	0 33
Cyclohexanone (F003)	0 125	0 75	Tetrachloroethylene (F001 F002)	0 079	0 05
1 2 Dichlorobenzene (F002)	0 65	0 125	Toluene (F005)	1 12	0 33
2 Ethoxyethanol (F005) (also called ethylene glycol monoethyl ether)	40 CFR 268 42 - INCIN or BIODG	40 CFR 268 42 - INCIN	1 1 1-Trichloroethane (F001 F002)	1 05	0 41
Ethyl acetate (F003)	0 05	0 75	1 1 2 Trichloroethane (F002)	40CFR 268 43(a) 0 03	40CFR 268 43(a) 7 6
Ethylbenzene (F003)	0 05	0 053	1 1 2-Trichloro-1 2 2-trifluoroethane (F002)	1 05	0 96
Ethyl ether (F003)	0 05	0 75	Trichloroethylene (F001 F002)	0 062	0 091
Isobutanol (F005)	5 0	5 0	Trichlorofluoromethane (F002)	0 05	0 96
Methanol (F003)	0 25	0 75	Xylene (F005)	0 05	0 15

*All spent solvent treatment standards are taken from 40 CFR Part 268 41(a) unless otherwise noted Wastewater units are mg l nonwastewater are mg kg

CALIFORNIA LIST TREATMENT STANDARDS—40 CFR 268.32, 40 CFR 268 42 and RCRA Section 3004(d)

A waste must first be designated as a US EPA Hazardous waste before the waste can be subject to the California List restrictions

Restricted waste description	Prohibition	Treatment Standard
Liquid* or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR 268 Appendix III	Liquid* wastes Greater than or equal to 1,000 mg l Nonliquid wastes Greater than or equal to 1,000 mg kg	40 CFR 268 42(a)(2) INCIN
Liquid* wastes containing PolyChlorinated Biphenyls (PCBs)	Greater than or equal to 50 ppm	40 CFR 268 42(a)(1) INCIN or FSUBS Also see 40 CFR 761 60 and 70
Liquid* wastes containing Cyanides	Free (amenable to chlorination) cyanides at concentrations greater than or equal to 1,000 mg l	RCRA Section 3004(d)
Liquid* wastes containing Metals	One or more of the following metals (or elements) at concentrations greater than or equal to the following Arsenic and or compounds as As 500 mg l Cadmium and or compounds as Cd 100 mg l Chromium and or compounds as Cr 500 mg l Lead and or compounds as Pb 500 mg l Mercury and or compounds as Hg 20 mg l Nickel and or compounds as Ni 134 mg l Selenium and or compounds as Se 100 mg l Thallium and or compounds as Th 130 mg l	RCRA Section 3004(d)
Liquid* Acid wastes	pH is less than or equal to 2 0	RCRA Section 3004(d) and 40 CFR 268 42(a)

* - For the definition of "liquid" refer to Method 9095, the Paint Filter Liquids Test from EPA manual SW-846

© 1990 Chemical Waste Management, Inc - 7/17/90 - Form CWM-2001-A

ORG..RT.XLS

Components Environmental Dept.

Upda. 1/7/92

Jim Ballas

Operator, Grave Shift

- DI Water Systems Op & Mnt
- HF Treatment O &M
- Acid Waste Treatment O & M
- Inspections· Tank, Sunday
- HF Sludge Pressing
- LN2 Dewar Delivery
- Waste Collection: 90 passthru
- HF Scrubber Cleaning
- Grave Fire Pump Emer. Resp.
- Stripper Transfer

Paul Bolm

Operator, Day Shift

- DI Water Systems Op & Mnt.
- HF Treatment O &M
- Acid Waste Treatment O & M
- Insp· Tank D, Drum/Vault W
- HF Sludge Pressing Backup
- LN2 Dewar Delivery & HPM entry
- Waste Collection. MSD,91L/U
- Waste Shipments & Prep
- Shutdown Coord.
- Chemical Ordering Coord
- Parts & Supplies
- DI/WT Equipment Files

Saul Montez

Operator, Swing Shift

- DI Water Systems Op. & Mnt.
- HF Treatment O &M
- Acid Waste Treatment O & M
- HF Sludge Press Backup & Clean
- LN2 Dewar Delivery
- Waste Collection:OED,Ga,CN
- Process Waste Review Assist
- Slurry Centrifuge Clean
- PM Program Data/Entry
- Bactena Tests
- Tool Inventory
- Swing ERT/Fire Pump Resp.

Steve LaFirenza

Operator, Day Shift

- DI Water Systems Op. & Mnt.
- HF Treatment O &M
- Acid Waste Treatment O & M
- Insp: Vault W, Tank oncall
- HF Sludge Pressing Backup
- LN2 Dewar Delivery
- Waste Collection· 90U,L&B
- Waste Shipments
- Water Conservation Comm
- DI system upgrades, WO rev
- RO Monitoring/Clean Sched
- Process Area DI contact

Gopal Shetty

Environmental Engineer

- Air/Air Toxics Regs. Interp
- SARA/CERCLA Regs Interp
- Reporting Regs Interp
- Air Permits
- Air Toxics AB2588
- Air Treatment: TGO
- New Equipment Review
- Air Tests· incin., burn box, etc.
- Safety — Prop 65 Env Review/Signs
- SARA Reporting
- Site air toxics emissions red.
- Spill & Decon Training
- Spill & Contingency Plan
- Internal Compliance Audits
- Site Waste Reduction Plan

Air Sampling class

Gary Lapp

Environmental Engineer,P.E.

- Permit By Rule
- Waste Recylce Regs Interp
- Wastewater Regs Interp.
- Tank/GW Regs Interp.
- Pretreatment permit: SJ
- New Process Equip. Review
- Slurry Room Systems
- ? — Storm Water Permit
- Tank Permits· RWQCB
- Waste Treat Troubleshooting
- Waste Treatment Eng
- Waste Treatment Red SB14
- Waste Treatment sampling
- Sampling & Anal. Strategy
- ~~All duties under OPEN~~

Hazel Kelly

Haz Waste Operations Mngr.

- Process Waste ID/setup
- Waste Regs Interp.
- HMMP Regs Interp.
- Haz Waste Packaging/Ship
- Haz Waste Permits
- Haz Waste Reports
- Haz Waste Training Records
- HMMP Permit/Plan
- MSDS Review
- Process area waste review
- Signs Chem/Waste Storage
- Tank Permits. San Jose
- Vendor contracts
- Waste sampling/profiles
- TSCA chemical import

Trinae Pauley

Admin. Assistant

- Gail's Calendar
- Admin group (STARS)
- HMMP Database/assembly
- DI/Waste Oper Support
- Hoist recertification
- Meeting setup
- Permit Records
- Dept. Filing System, Records
- Timecards
- Training scheduling
- POs, orders, tracking
- Regulatory Subs, Updates
- Wastewater graphs
- Waste Tax Reports
- Waste Cost & Ship Records

Gail Brownell, Manager, DI and Waste Treatment Ops., Env. Compliance

STATE OF CALIFORNIA—ENVIRONMENTAL P. TION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P O Box 806
Sacramento, CA 95812-0806

(916) 323-5871

Date: 02/27/92

HEWLETT-PACKARD CO., COMPONENTS GROUP
HEWLETT-PACKARD CO., COMPONENTS GROUP
350 W TRIMBLE ROAD
SAN JOSE, CA 95131-1008

EPA ID: CAT000611400

Dear Permit by Rule Facility:

The Department of Toxic Substances Control (DTSC) has received your Fixed Treatment Unit Permit by Rule Initial Notification of Intent to Operate (DTSC Form 8462). This letter only acknowledges receipt of that notification, and does not authorize operation of any treatment activity at your facility.

Enclosed are DTSC Forms 8462A (Fixed Treatment Unit (FTU) Permit by Rule Facility-Specific Notification) and 8462B (FTU Permit by Rule Unit-Specific Notification). If you are currently operating your fixed treatment unit, you must submit the completed Forms 8462A and 8462B for your facility by April 1, 1992, including all required attachments. You must include a completed Form 8462B for each unit at your facility.

We have also enclosed a copy of the Disclosure Statement, form DTSC 8430, the Certification of Financial Responsibility for PBR Operation, DTSC 8113, and a package of other Financial Responsibility forms from which you can select the proper forms for one or more of the acceptable financial mechanisms. An order form for PBR documents (1002) is attached with a map of our regional offices printed on the back. If you need additional forms, they may be obtained from the nearest regional office of the DTSC, or by contacting this office.

California law requires that the enclosed forms be certified (signed) by an authorized corporate officer or any other person in a company who performs decision making functions that govern operation of the facility. (See Title 22, California Code of Regulations, Section 67450.2 subds. (a)(2) and (b)(3) and Section 66270.11.)

Our staff must rely upon job titles to judge if the signer has decision making authority for your facility. For instance, a vice president or general manager would clearly be authorized to certify (sign) while an environmental manager or safety officer would not. If the forms are improperly signed the notification will be rejected and returned to you and you will have to resubmit the entire notification package.

recycled paper

Since this is your initial notification for operation under a Permit by Rule for your facility, you will be billed by the Board of Equalization for the fee specified in Section 25205.7(h) of Chapter 6.5, Division 20, of the California Health and Safety Code. The fee is $1,109 this year and will be adjusted annually for inflation on July 1st. That fee will also cover your first Facility-Specific and Unit-Specific notifications, mentioned above. Additional fees will be due for the annual notifications you must submit in future years. You are also required to amend these notifications whenever any information changes. You will be charged one-half of the annual fee ($555 this year) for each amended notification which you submit.

Hazardous waste laws and regulations are detailed and complex. At any time, you may be inspected by the DTSC or your local county health department. Violations of laws or regulations which are found may make you liable for criminal, civil or administrative penalties, as provided by law.

If you have questions on completing the required forms, or have questions on operating requirements for your operation, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Permit By Rule Unit
Surveillance and Enforcement Branch
Enforcement and Program Support Division

Enclosures

cc: CHARLENE WILLIAMS
BRANCH CHIEF
DTSC REGION 2 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
700 HEINZ, BLDG F, SECOND FLR
BERKELEY, CA 94704

LEE ESQUIBEL
DIRECTOR
ENVIRONMENTAL HEALTH SERVICES
DEPARTMENT OF HEALTH
2220 MOORPARK AVENUE
SAN JOSE, CA 95128-2690

SANTA CLARA COUNTY HEALTH DEPARTMENT
PUBLIC HEALTH PERMIT

ADJUSTMENT/PAYMENT RECEIPT FORM

ID # 50115 AE
PERMIT# 1181-E

AMOUNT TO BE ADJUSTED $ 3600
AMOUNT RECEIVED BY CUSTOMER $ _____
CHECK# _____
CASH _____

REASON FOR ADJUSTMENT:

Check One.
__WAIVE DELINQUENCY
__BUSINESS CLOSED (Ø BALANCE)
__OWNERSHIP CHANGE (Ø BALANCE)
__TRANSFER OF PAYMENT
__REFER TO DOR
__MISC. (REISSUE PERMIT, REBILL, ETC.)

NOTES: Waive fee & delinquency. ~~DAE~~ AE acct. Has current permit. (See previous request 3/91)

INITIALS RD DATE 1/10/92

SUPERVISOR'S INITIALS RW DATE 1/10/92

1/10/92 - Bus code apparently not correct on AE version. Corrected by Chris Fields.

Hewlett Packard - Female

SANTA CLARA COUNTY HEALTH DEPARTMENT
PUBLIC HEALTH PERMIT

ADJUSTMENT/PAYMENT RECEIPT FORM

ID # 501151AE
PERMIT# 1181-E

AMOUNT TO BE ADJUSTED $ 2,400 00
AMOUNT RECEIVED BY CUSTOMER $ _____
CHECK # _____
CASH _____

REASON FOR ADJUSTMENT: Check One.

__WAIVE DELINQUENCY
__BUSINESS CLOSED (0 BALANCE)
__OWNERSHIP CHANGE (0 BALANCE)
__TRANSFER OF PAYMENT
__REFER TO DOR
__MISC. (REISSUE PERMIT, REBILL, ETC.)

NOTES: Business code change. OAE Version

INITIALS DO DATE _____

SUPERVISOR'S INITIALS DO DATE 3/29/91

County of Santa Clara
Health Department

2220 Moorpark Avenue
San Jose, California 95128

February 13, 1991

Ms. Hazel Kelly
Hewlett Packard
350-370 W. Trimble Rd.
San Jose, CA 95131

Dear Hazel:

Thank you for providing our new staff members with so much valuable information and training during the recent tour of your facility and accompanying presentation regarding your excellent Hazardous Waste Program. The dedication and enthusiasm of people like yourself makes our jobs in regulatory compliance less difficult and much more rewarding.

Information presented to our new inspectors during the tour should greatly help them in performing future inspections.

Your cooperation and help is greatly appreciated.

Sincerely,

Erwin Koehler, Deputy Director
Office of Toxics Enforcement

EK:do

Board of Supervisors: Susanne Wilson Zoe Lofgren Ron Gonzales Rod Diridon Dianne McKenna
County Executive: Sally R Reed

HEWLETT PACKARD

MICROWAVE SEMICONDUCTOR DIVISION • OPTICAL COMMUNICATION DIVISION •
OPTOELECTRONICS DIVISION • COMPONENTS GROUP
350 West Trimble Road, San Jose, California 95131

March 7, 1989

Mr. Gordon McPhaill
Senior Environmental Health Specialist
County of Santa Clara
Department of Public Health
Toxics Control Unit
2220 Moorpark Avenue
San Jose, CA 95128

Dear Mr. McPhaill,

Attached is a chronological list of events based on interviews (paraphrased by myself) that lead up to and followed the purported chemical exposure of the contract employee, Daren Phariss. Also included is a list of chemicals that are stored in that bay whose contents weren't clearly indicated on the packaging. You should be able to integrate this chemical list with the partial list that you recorded during your investigation at this facility. Should you have any further questions, I can be reached at (408) 435-4182.

Sincerely,

Shig Oshimo

Shig Oshimo
Health & Safety Specialist
Hewlett-Packard Components Group

Contractors Chemical Exposure B90 Storage Bay

The following are paraphrasings of statements made by Gail Brownell (G), Andy McIntyre (A), Monmohan Sehgal (M), Mary Ellen Maciag (ME) and statements from myself, Shig Oshimo (S) as a result of interviews following a purported hazardous chemcal exposure by Daren Phariss on 2/24/89

Tuesday 2/21, Concrete Sawing

At the end of the day, concrete slurry was squeegeed back to the "trench" area from the floor drain area (M)

Wednesday 2/22, Concrete Removal

The concrete was removed; otherwise, the day was unenventful (M)

Thursday 2/23, Excavation Initiated

Daren began excavation; again the day was uneventful (M)

Friday 2/24, Further Excavation

Daren started work at approximately 8:10 a.m. (A)

Within 3-4 minutes, Daren noted irritation of his hands and told two HP employees in the area who in turn informed their superivisor (A)

At ~8:15 A.M., Monmohan received a call from that supervisor informing them of a potential employee exposure in a B90 Storage Bay (A)

Andy and Monmohan responded to the area ~8:20 a.m. (M)

The employee's arm was rinsed for ~5 minutes at the scene based on his own testimony (ME)

The individual was using contractors' community gloves and the fingers of the right hand glove had holes from wear (A)

Soon thereafter, Monmohan escorted Daren to the Health Services Office. (A)

Andy remained behind and noticed a small ~1/8" deep "milky" slurry standing puddle immediate to the center floor drain. A strip reading of that puddle was ~pH 12 (A)

Andy then took pH strip readings from soil samples after suspending them in water. The results from samples taken from within one foot beneath the concrete slab and from the bottom of the pit were both pH 7 1/2 - 8 (A)

Daren was attended by Mary Ellen Maciag of Site Health Services where his hands were rinsed further with water for twenty minutes (ME)

Within minutes, Daren was then sent to the De La Cruz Occupational Medical Center and was seen by a physician (Jeff Dunham) (ME)

At approxiamately 10 a.m., Gail, Monmohan and myself went to the storage bay and pH tested the center floor drain area, and three levels of the excavated pit and determined that it ranged from ph 8-9 for those areas (S)

At approximately 12 noon, Richard Woolsley and Gail took a pH strip reading of the contents of the original area sump in the corner and the result was pH 2 (G)

Soon after, Gail asked Monmohan to coordinate a pump out of that sump (G)

Sometime after lunch, two men neutralized the contents in the sump with baking soda and pumped it out (G)

Prior to disposal of the sump material, Gail retrieved a sample of the sump material along with a sample from the "slurry" area of the excavation pit. The samples were independently tested for fluoride content with a calibrated fluoride meter and the sump water result was 23-25 ppm flouride while the "slurry" was below detection limits (G)

Jeff stated that there was no pain or redness by Friday afternoon (ME)

Monday, 2/27

Upon reexamination by Jeff on Monday there was no induration or redness noted (ME)

Work was continued by other contracted employees on this week without further incident (S)

Attachment #1

Gordon, below is a list of the chemicals whose contents were not obvious on the packaging, this list can be added to those that you'd noted during your investigation in the storage bay at this site.

Chemical Name	Manufacturer	Hazardous Components
MS-111 Stripping Agent	Miller Stephenson	Methylene Choride Formic Acid Acetic Acid Phenol
Activator 461	Shipley Co., Inc.	Hydrochloric Acid
Phosphorus Oxychloride	J. T. Baker	same as name
AZ 351	Shipley Co., Inc.	Sodim Hydroxide
Tizox 6500	Ferro Corp.	Zirconium Silicate Lithium Compounds Potassium Compounds Sodium Hypochlorite
AZ Developer	American Hoechst Corp.	(formulation proprietary) Trisodium Phosphate Phosphoric Acd Trisodium Salt (CAS#7601-54-9) Trade Secret Hazardous Material
Descaler 601	Shipley Co., Inc.	Hydrochloric Acid Copper Salts
Fluoboric Acid	Matheson, Coleman and Bell	Fluoboric Acid
Niculoy 22M	Shipley Co., Inc.	Sodium Hypophosphite Nickel Salts Copper Salts
Niculoy 22S	Shipley Co., Inc.	Sodium Hypophosphite Ammonium Carbonates
NL-63	Shipley Co., Inc.	Sodium Hypophosphite Nickel Salts
AZ-303A	Shipley Co., Inc.	Sodium Hydroxide

County of Santa Clara

Health Department
Toxics Control Unit

2220 Moorpark Avenue
San Jose, California 95128
(408) 299-6930

COMP #: 201151
DATE: 3-2-89
SVC CODE: 4
HRS 2.5
EMP # 804 VSO
WA 601
STATUS. E

ENTERED MAR 13 1989

HAZARDOUS WASTE GENERATOR
Official Notice of Inspection

DBA/Name: Hewlett Packard Date. 3-2-89
Address: 350 Trimble Road, San Jose Comp. #: 201151
Contact Person: Shig Oshino / Gail Brownell Permit #:
Phone No.: 435-4182 / 435-4183 EPA ID #. CAT000611400

Applicable Laws. •Calif. H & S Code, Sec 25100, et seq. •S.C.C. Storage Ordinance
•Calif. Admin. Code, Title 22, Sec. 66011, et seq. •C.F.R. 40 and 49

VIOLATIONS		
Hazardous Waste Determ	1	☐
Permit(s)	2	☐
EPA ID Number	3	☐
Extremely Hazardous Waste	4	☐
Records/Reports	5	☐
Manifests	6	☐
Contigency Plan	7	☐
Emergency Procedures	8	☐
Training	9	☐
Preparedness/Prevention	10	☐
Closure/Abandonment	11	☐
Use/Management, Containers	12	☐
Secondary Containers	13	☐
Pre-Transportation	14	☐
Accumulation Time/Labeling	15	☐
Tanks	16	☐
Monitoring	17	☐
Miscellaneous	18	☐
		☐

THE MARKED ITEMS REPRESENT VIOLATIONS OF THE ABOVE-REFERENCED CODE(S) AND MUST BE CORRECTED:

Response to complaint from Darren Phariss of R.W. Construction concerning reaction to soil being excavated for secondary containment at Building 90 Service area. No existing pipelines or tanks were in the area. He was digging a pit for a new secondary containment pit & drain at edge of acid storage area (1 gallon containers). The area of excavation was in native soil and not in an area where the existing drain or sump is located. Shig Oshino & Gail Brownell inspected pit area & took PH readings in the area before Mr. Phariss claimed he encountered problem soil. The PH readings indicated a soil PH range of 7-9. The excavation was completed by another individual with no apparent negative effects (Shane Absher). Mr. Phariss had worked on the pit the first day with no problem; the second day approximately 5 minutes after beginning work he had a reaction - rash & blisters? Mr. Oshino will send a report regarding this incident to our office.

INSPECTOR: [signature] Received by: [signature]
Signature

Samples Taken? Yes ☐ No ☐
Photos Taken? Yes ☐ No ☐

© 1561

County of Santa Clara

Health Department
Toxics Control Unit

2220 Moorpark Avenue
San Jose, California 95128
(408) 299-6930

COMP #:
DATE:
SVC CODE:
HRS
EMP #:
WA·
STATUS:

HAZARDOUS WASTE GENERATOR
Official Notice of Inspection

DBA/Name: Hewlett Packard Date: 3-2-89
Address: 350 Trimble Road, San Jose Comp #:
Contact Person. Permit #:
Phone No.. EPA ID #:

Applicable Laws: •Calif. H & S Code, Sec. 25100, et seq. •S.C.C. Storage Ordinance
•Calif. Admin. Code, Title 22, Sec. 66011, et seq. •C.F.R. 40 and 49

VIOLATIONS		
Hazardous Waste Determ	1	☐
Permit(s)	2	☐
EPA ID Number	3	☐
Extremely Hazardous Waste	4	☐
Records/Reports	5	☐
Manifests	6	☐
Contigency Plan	7	☐
Emergency Procedures	8	☐
Training	9	☐
Preparedness/Prevention	10	☐
Closure/Abandonment	11	☐
Use/Management, Containers	12	☐
Secondary Containers	13	☐
Pre-Transportation	14	☐
Accumulation Time/Labeling	15	☐
Tanks	16	☐
Monitoring	17	☐
Miscellaneous	18	☐
		☐

THE MARKED ITEMS REPRESENT VIOLATIONS OF THE ABOVE-REFERENCED CODE(S) AND MUST BE CORRECTED:

Acids stored in the area are in one gallon containers: HF, HCL, Sulfuric-Chromic acid mixture and phosphoric acid. Sodium hydroxide and potassium hydroxide were also stored in the area. Skip Oshino will send MSDS for all materials stored in this area along with his written report.
When the incident with Darren Phariss occurred, Skip Oshino and Gail Brownell tested the pH of the liquid in the sump from the floor drain (the liquid was from water from the cement cutting blade) and the pH was 2 - probably due to past acid spills on the floor washing down into the sump. The sump liquid was also tested for HF (fluoride detector) with a result of 25 ppm. The soil in the area where Mr. Phariss was injured was also tested for HF (F⁻) with a negative result and the pH in the soil ranged from 7-9. The soil doesn't appear to be contaminated. Federal OSHA was contacted by this office & upon hearing the details of this event stated that they wouldn't be responding to this incident.

INSPECTOR: Received by.
Signature

Samples Taken? Yes ☐ No ☐
Photos Taken? Yes ☐ No ☐

© 1561

HEWLETT PACKARD

MICROWAVE SEMICONDUCTOR DIVISION • OPTICAL COMMUNICATION DIVISION •
OPTOELECTRONICS DIVISION • COMPONENTS GROUP
350 West Trimble Road, San Jose, California 95131

RECEIVED
FEB 1 1989
TOXICS
CONTROL UNIT

January 30, 1989

County of Santa Clara Health Department
Toxics Control Unit
ATTN: Sherry Catania and Charles Nicholson,
Environmental Health Sanitarians, Hazardous Material Program
2220 Moorpark Avenue
San Jose, CA 95128

Re: Hewlett-Packard Company, EPA ID#: CAT000611400
Hazardous Waste Generator, Official Notice of Inspection

This letter will acknowledge receipt of the above referenced Inspection Report (01/24/89), with three violations noted, and to make you aware that we have acted on your recommendations and completed the following:

1) We have placed a Hazardous Waste Label with an accumulation start date of 12/22/88 on the drum labeled non-hazardous waste, being used to collect Epoxy Type A material.

2) Discussions have been held with hazardous waste handlers to focus more attention on assuring that all container lids are on tight when not adding waste.

3) More attention will be paid by me to assure that our extremely hazardous waste permit number is referenced on manifests, when appropriate.

Hewlett-Packard Company appreciates the need for regulations and Regulatory Compliance Officers, such as yourselves, as being necessary in maintaining safety measures for the protection of life, property and the environment. We sincerely hope that you and the County of Santa Clara Toxics Control Unit appreciate our efforts and intent to be in full compliance with all regulations.

Regards,

Hazel Kelly

Hazel Kelly, Environmental Coordinator

HLK:se

cc: Gail Brownell, Environmental Engineering Manager
Tracy Gary, Environmental Engineer
Jerry Thorne, Site Services Manager

TO: Bob.

Date: FEB 27 1989

Time: 12:55

WHILE YOU WERE OUT

OF: Darren

Phone: 438-5347

☐ Telephoned	☑ Please Call Back
☐ Was Here	☐ Will Call Again
☐ Wants to See You	☐ Rush
☑ Returned Your Call	

MESSAGE:

re: Chemical Burn

SIGNED: vh

Memo

County of Santa Clara

Date	Time	By

To

☐ Staff - Circulate

From

Organization

Area Code	Telephone Number	Extension

For Your	Person Calling	Please
☐ Information	☐ Telephoned	☐ Prepare reply
☐ Comments	☐ Was here	☐ Handle
☐ Signature	☐ Returned your call	☐ See me
☐ Approval	☐ Please call back	☐ Return to sender
☐ File	☐ Will call again	☐ Rush

Remarks

memorandum

TO Complaint/Coordr FROM Bob H

SUBJECT DATE 2-27-89

Report of Chem Burn from soil exposure during construction job at Hewlett Packard., Thimble Rd. S.J.

- Daren Pharass, 438-5347, exposed to ? while digging soil under slab of chem storage facility @ H.P.

He had medical attention. Preliminary info from H.P. indicates possible H-F. & Lime, in soil.

Mr. Pharass is employee for R-W. construction 395-6446.

Rich Woosley - owner. He will call 2-28-89 with more info.

- Suggested complainant call OSHA re: accident report.

pH range 7-9 in pit

Soil [redacted] 1) 25 ppm H.F. from water in existing sump
BPA in soil (non-detectable

2) Lime

Shig Oshimo - 435-4182 - Safety Officer for H.P.
350 W. Trimble Rd, SJ.
Building 90 - Shipping & receiving -
Lobby

OFFICE OF HAZARDOUS MATERIALS

FILE UPDATE

Name of facility:
Address: Hewlett Packard
350/370 W Trimble S.J.

Date: 2-2-89

Storage Facility ___
Waste Generator X
Other ___
Specify

Tickle Date:

COMMENTS

- Completed review of waste streams for survey sheet purposes.

TO: Charles

Date: 1/24/89 | Time: 9:20

WHILE YOU WERE OUT

OF. Gail Brownell
Hewlett Packard

Phone: (408) 435-4183

☐ Telephoned	☐ Please Call Back
☐ Was Here	☐ Will Call Again
☐ Wants to See You	☐ Rush
☒ Returned Your Call	

MESSAGE:

SIGNED

M **County of Sa Clara**

Date	Time	By

To ☐ Staff - Circulate

From

Organization

Area Code	Telephone Number	Extension

For Your	Person Calling	Please
☐ Information	☐ Telephoned	☐ Prepare reply
☐ Comments	☐ Was here	☐ Handle
☐ Signature	☐ Returned your call	☐ See me
☐ Approval	☐ Please call back	☐ Return to sender
☐ File	☐ Will call again	☐ Rush

Remarks

Scotch® 7664 Post-it® Routing Request Pad

ROUTING - REQUEST

Please

- ☐ READ
- ☐ HANDLE
- ☐ APPROVE

and

- ☐ FORWARD
- ☐ RETURN
- ☐ KEEP OR DISCARD
- ☐ REVIEW WITH ME

To Bob —

I am returning the file on this facility because Sherry & I have to complete some paperwork. Could you return this to me when you complete your review. Charlie

Date 1-25-89

From

County of Santa Clara
Health Department
Toxics Control Unit

2220 Moorpark Avenue
San Jose, California 95128
(408) 299-6930

COMP # 201151
DATE 1-24-89
SVC CODE: 1
HRS 7.5
EMP #: 622/654
WA 601
STATUS: E

HAZARDOUS WASTE GENERATOR
Official Notice of Inspection

DBA/Name: Hewlett Packard - Trimble Date 1/24/89
Address: 350/370 W. Trimble Rd S.J. Comp #.
Contact Person: Hazel Kelley Permit #
Phone No. 435-4192 EPA ID #: CAT000611400

Applicable Laws: •Calif H & S Code, Sec. 25100, et seq. •S.C.C. Storage Ordinance
•Calif. Admin Code, Title 22, Sec. 66011, et seq. •C.F R. 40 and 49

VIOLATIONS		
Hazardous Waste Determ	1	☑
Permit(s)	2	☐
EPA ID Number	3	☐
Extremely Hazardous Waste	4	☐
Records/Reports	5	☐
Manifests	6	☑
Contigency Plan	7	☐
Emergency Procedures	8	☐
Training	9	☐
Preparedness/Prevention	10	☐
Closure/Abandonment	11	☐
Use/Management, Containers	12	☑
Secondary Containers	13	☐
Pre-Transportation	14	☐
Accumulation Time/Labeling	15	☐
Tanks	16	☐
Monitoring	17	☐
Miscellaneous	18	☐
		☐

THE MARKED ITEMS REPRESENT VIOLATIONS OF THE ABOVE-REFERENCED CODE(S) AND MUST BE CORRECTED:

12) Generator failed to keep all hazardous waste containers securely closed (when) not adding waste. (2 drums in Solid Waste storage area)

1) Title 22 indicates that any waste with LD/50 of 5,000 mg/kg or less shall be designated as a hazardous waste based on criteria of toxicity as referenced in section 66696 of CCR 16 Epoxy Part A has a LD 50 of 2000 mg/K. Container may need to be labeled as hazardous waste when accumulation begins.

6) Magnesium scrap was disposed of (manifest #8734322) without ~~a~~ reference to proper (extremely hazardous waste permit.

INSPECTOR: Sherry Catena Received by: Charles S. Nicholson
Signature

Samples Taken? Yes ☐ No ☑
Photos Taken? Yes ☐ No ☑

Attachment 1

Waste Streams

			Lbs 1988
	Recycled		
TANKS	1) Solvents	Exhibit 2 - (1)	2169295 Lbs
TANKS	2) Strippers	Exhibit 2 - (2)	
	3) Empty drums (metal)		700 Lbs
	4) Photoresist	Exhibit 1-(7)	29245 Lbs
	5) Hg		0
	Incinerated		
	6) Stripper	Exhibit 2 (2)	0
	7) GAsP	Exhibit 1 (12)	740 Lbs
	8) Organometallics		0
	9) Resins	Exhibit 1 (14) ?	0
	10) Lab packs	Exhibit 1 (8)(9)	1575 Lbs
	Treated/Ponded		
	11) KOH	Exhibit 1 (10)	2385 Lbs
	12) HF	Exhibit 2 (4)	0
	13) CAFL/As sludge	Exhibit 1 (13)	0
	Class I landfilled		
	14) CAFL/As Cake	Exhibit 1 (13)	120520 Lbs
	15) Drummed solids + lab packs	Exhibit 1 (1)(2)(3)(4)(5)(8)(9)(14)	34498 Lbs
	16) Ducts, pipes, Leach equip.		11720 Lbs
	17) GaAs	Exhibit 1 (3)	12325 Lbs

Cont.

18) [redacted] [redacted] 600 Lbs

Total 459,283 Lbs

HAZARDOUS WASTE MANAGEMENT

	POUNDS		
	1986	1987	1988
I. RECYCLED			
1) SOLVENTS	40000	216250	269295
2) STRIPPER	0	0	0
3) EMPTY DRUMS	200	975	700
4) PHOTORESIST (+/-)	800	2640	2925
5) Hg	0	170	0
II. INCINERATED			
6) STRIPPER	37400	0	0
7) GaAsP	3000	740	740
8) ORGANOMETALLICS	0	7	0
9) RESIN	0	1650	0
10) LAB PACKS	0	0	1575
III. TREATED/PONDED			
11) POTASSIUM CYANIDE	2800	2555	2385
12) HF	1267000	0	0
13) CaFL/As SLUDGE	115800	0	0
IV. CLASS I LANDFILLED			
14) CaFL/As CAKE	26800	148760	120520
15) DRUMMED BULK SOLIDS AND LAB PACKS	49000	52151	34498
16) DUCTS/PIPES/LAB EQPMT	9400	4020	11720
17) GaAs (SOLIDIFIED FROM SLURRY ROOM)	29000	10875	14325
18) EMPTY DRUMS (PLASTIC)	200	975	600
	1581400	441768	459283
	=(790.71)	(220.81)	(229.61)

	1986	1987	1988
RECYCLED	41000	220035	272920
INCINERATED	40400	2397	2315
TREATED/PONDED	1385600	2555	2385
CLASS I LANDFILLED	114400	216781	181663

ra 1/18/89
b:HazLMSum

Exhibit 3

mostly Solid

- Containers of waste -

BUILDING 91: TOXIC BAY #1

PROCESS #1 (55-GA SOLIDS)

(1) SPILL SHEETS, WIPES, LAB EQUIP, GRAPHITE MOLDS, QUARTZWARE, ETC. CONTAMINATED WITH <5% ARSENIC, GALLIUM ARSENIDE AND GALLIUM ARSENIDE PHOSPHIDE;<1% PHOSPHOROUS (RED); & TRACES OF ZINC & BORON OXIDE.

PROCESS #2 (55-GA SOLIDS)

(2) SOLIDS CONTAMINATED WITH <5% ARSENIC & GALLIUM ARSENIDE PHOSPHIDE; TRACES POTASSIUM FERROCYANIDE, BERYLLIUM, TITANIUM; 0.05% ANTIMONY TRIOXIDE; OCCASIONALLY BROKEN THERMOMETERS, LAMPS & MERCURY/NICKEL/CADMIUM BATTERIES.

PROCESS #4 (55-GA SOLIDS)

(3) SOLIDS CONTAMINATED WITH 0.5% ARSENIC,; 10% AMMONIUM HYDROXIDE; 1% HYDROGEN PEROXIDE; 1% POTASSIUM FERROCYANIDE & 1% SODIUM HYDROXIDE.

PROCESS #5 (55-GA SOLIDS)

(4) SOLIDS CONTAMINATED WITH <% CHLORINATED AND NON-CHLORINATED SOLVENTS; <1% TUBES MARKEM PASTE INKS, <1% EPOXY RESINS & <1% STRIPPER, CONTAINING MEHTYLENE CHLORIDE, CHLOROBENZENES, PHENOL, TRICHLOROBENZENE, SULFONIC ACID, DODECYLBENZENE, PARAFFINS AND AROMATICS.

PROCESS #6 (55-GA SOLIDS)

(5) SOLIDS CONTAMINATED WITH <1% EACH OF HYDROFLUORIC ACID, HYDROCHLORIC ACID, PHOSPHORIC ACID, FLUOBORIC ACID, SULFURIC ACID & OTHER ACID MIXTURES.

ARSENICAL COMPOUND (55-GA SOLID)

(6) <4% ARSENIC; 1-20% GALLIUM; 1-3% PHOSPHOROUS; REMAINDER: ALUMINUM, LAPPING GRIT AND WATER.

PHOTORESIST ± (55-GA LIQUID)

(7) XYLENE, N-BUTYL ACETATE, ACETONE, 1.1.1-TRICHLOROETHANE, METHYL ALCOHOL & HEXAMETHYLDISILIZANE.

PROCESS #8 (55-GA LAB PACKED)

(8) NON-POURABLE/NON-PUMPABLE PHOTORESIST (POSITIVE/NEGATIVE), CONTAINING ACETONE, XYLENE, N-BUTYL ACETATE, METHYL ALCOHOL, AND HEXAMEHTYLDISILIZANE.

C-35 ETCHANT (55-GA LAB PACKED)

(9) POTASSIUM IODIDE, IODINE + GOLD FOR RECLAIM.

BUILDING 91: TOXIC BAY #2

KCN (55-GA LIQUID)

(10) 14% CYANIDE; 12.4% POTASSIUM; 6.5% IRON; 0.75% HYDROXIDE (ACIDIMETRY); 1-5% ALUMINIA GRIT; 2-3 ppm GALLIUM; 5.4 ppm ARSENIC; TRACE 2-PROPANOL; BALANCE WATER.

EMPTY DRUMS (55-GA RESIDUE)

(11) MICROSTRIP RESIDUE ONLY, CONTAINING ALKYL ARYL, SULFONIC ACID AND CREOSOL.

GaAsP (5-GA LAB PACKED)

(12) 40-60% ARSENIC + As COMPOUNDS; 15-30% PHOSPHOROUS (RED/WHITE); 5-15% CHLORIDES; 5-15% NITRATES; 5-15% ETHYLENE GLYCOL; 10-30% GALLIUM; TRACES TELLURIUM; BALANCE WATER.

BUILDING 90: TOXIC BAY

CaFl/As CAKE (Y^3 SOLID)

(13) <1% ARSENIC; <1% CHROMIUM; 25-35% FLUORIDES; 32-40% CALCIUM.

(14) MISC LAB-PACKS - GENERALLY CONSIST OF:

- PART A EPOXY RESINS
- PART B HARDENERS
- ADHESIVES
- DYES
- DIFFUSANTS
- MERCURY (FOR RECYCLING)
- SOLDERS
- PAINTS
- COATINGS

does not include solvent waste

exhibit 1

WEEKLY INVENTORY HAZARDOUS WASTE STORAGE

		BLDG. 91 TOXIC BAY #1										BLDG. 91 TOXIC BAY #2				BLDG. 90 BAY	
		← 55 GALLON DRUMS										→			5 GAL.	y^3	PLACE AN ASTERISK (*) IN MATERIAL COLUMN WHEN SHIPPED AND RECORD # IN THIS COLUMN
		SOLIDS						LIQUID	LAB PACK		LAB PACK	LAB PACK	LIQUID	RESIDUAL	LIQUID	SOLID	
		PROCESS #1	PROCESS #2	PROCESS #4	PROCESS #5	PROCESS #6	As COMPOUND	PHOTO-RESIST	PROCESS #8	C-35	MISC.	MISC.	KCN	MT'S	GaAsP	CaF1/As CAKE	
OLDEST ACCUMULATION START DATE																	
WEEK ENDING	INSPECTOR INITIAL	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# PAILS	# BAGS	SHIP DATE
OLDEST ACCUMULATION START DATE																	
WEEK ENDING	INSPECTOR INITIAL	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# PAILS	# BAGS	
OLDEST ACCUMULATION START DATE																	
WEEK ENDING	INSPECTOR INITIAL	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# PAILS	# BAGS	
OLDEST ACCUMULATION START DATE																	
WEEK ENDING	INSPECTOR INITIAL	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# PAILS	# BAGS	
OLDEST ACCUMULATION START DATE																	
WEEK ENDING	INSPECTOR INITIAL	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# DRUMS	# PAILS	# BAGS	

SEE OVER FOR COMPOSITION OF EACH WASTE STREAM

INV.01
HAZEL KELLY 9/88
REVISED 11/2/88

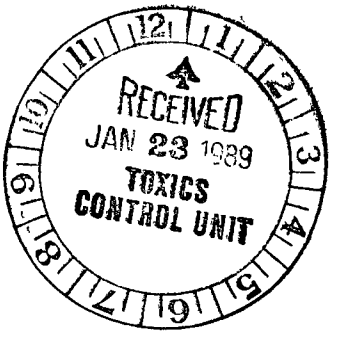
BULK / TREATED WASTES

DRAIN	WASTE	ON SITE TREATMENT	ON SITE STORAGE	OFFSITE TREATMENT OR RECYCLING	
SOLVENT	(1) SOLVENTS: Xylene, acetone, isopropyl alcohol, TCA, toluene, methanol, freon, acetates		TANKS	PURIFIED RECYCLED AS LAQUER THINNER, CRUDE OIL CUTTER	
STRIPPER	(2) STRIPPERS: 712-D, J-100, (phenol, sulfonic acid, chlorobenzenes)		TANKS	INCINERATED IN CEMENT KILN SOUTHERN CALIFORNIA USED AS FUEL	
SLURRY	(3) GaAs/GaP Slurry → Production Area Recirculation	Settling System Centrifuge	Drums of Sludge	Gallium Reclaim	
HF	(4) Hydrofluoric Acid Acids and Liquids with Arsenic	HF TREATMENT	TANKS of Sludge	Evaporation	BURIAL CLASS I CHEMICAL WASTE LANDFILL
ACID	(5) Acid Waste and Rinsewater	NEUTRALIZATION SYSTEM		SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT: Sewage Treatment	SAN FRANCISCO BAY
SINK & TOILET	'Sanitary' Wastewater (Bathrooms, Cafeteria)				

Exhibit 2

HEWLETT PACKARD

MICROWAVE SEMICONDUCTOR DIVISION • OPTICAL COMMUNICATION DIVISION •
OPTOELECTRONICS DIVISION • COMPONENTS GROUP
350 West Trimble Road, San Jose, California 95131



January 17, 1989

Eric Madera
San Jose Fire Department
Hazardous Incident Team
4 North Second Street, Suite 100
San Jose, CA 95112

Office of Emergency Services
Hazardous Materials Division
2800 Meadowside Road
Sacramento, CA 95832

Department of Health Services
Toxic Substances Control Division
North Coast Section
2151 Berkeley Way, Annex 7
Berkeley, CA 94704

cc: Santa Clara County Health Department
Toxics Control Unit
2220 Moorpark Ave.
San Jose, CA 95128

The attached report is being submitted in order to clarify the circumstances surrounding a release of 180 grams of arsenic inside a production area at the Hewlett Packard Site in San Jose. The site Hazardous Waste Contingency plan was not activated, and the amount released was less than the reportable quantity. The amount released to the outside air would be even lower, as most material deposited inside the room or was collected by exhaust ventilation and removed by water scrubbers. Therefore, we are not certain that this report is required. However, out of an abundance of caution, this report is being submitted to document the situation.

If you have additional questions, please do not hesitate to contact:
Gail Brownell, Site Environmental Manager 408-435-4183
Brian Sherin, Site Safety and Health Manager 408-435-4184

Sincerely,

Gail D Brownell

Gail Brownell
Environmental Manager
Hewlett Packard San Jose Site

cc: Dominic Milazzo, HP Corporate EHS
Ken Sutherland, HP Corporate EHS
Jerry Thorne, HP SJS

OWNER AND OPERATOR:
Hewlett Packard Company
3000 Hanover Street
Palo Alto, CA 94303-1181

OES Controll Number: 04457
Reported to OES by San Jose Fire Department and HP

FACILITY ADDRESS / CONTACT THIS SITE FOR FURTHER INFORMATION:
Hewlett Packard San Jose Site
350/370 West Trimble Road Mail Stop 91BC
San Jose, CA 95131-1008

general phone number : 408-435-7400
Environmental Department: 408-435-4183 Gail Brownell, manager
Safety and Health Department: 408-435-4184 Brian Sherin, manager

Following is a report on a situation that occurred in the production area of Hewlett Packard's San Jose Site. The Hazardous Waste Contingency Plan was not implemented, however, outside medical services were summoned for four employees who were exposed to some arsenic particulate in the room air inside the building. The total amount of arsenic emitted to the room air inside the building was about 180 grams. Of this amount, some of the particulate may have been removed by local exhaust ventilation. The exhaust ventilation is treated through a water scrubber which removes particulates. Thus, the total amount of arsenic that could have been emitted to the outside air would be less than 180 grams.

DATE: January 11, 1989
TIME: 21:14
TYPE: A piece of process equipment called a Gallium Arsenide Crystal Grower, depressurized through an opening accidentally created by an operator.
NAME OF MATERIALS INVOLVED:
Arsenic, gallium, and diborontrioxide. Since arsenic boils at the lowest temperature, the escaping vapor is believed to have been mainly arsenic.
QUANTITY OF MATERIALS INVOLVED:
Based on measurements of the amount of material put into the grower and measurements of the amount removed after the grower was shut down, the maximum quantity of arsenic which could have been released into the room air was 180.6 grams.
EXTENT OF INJURIES:
Four employees were evaluated due to possible exposure to the arsenic particulates in the air as they evacuated rapidly. These four were transported to San Jose Hospital, examined that evening, and released. Followup urine arsenic tests and personnel monitoring is being performed to assess the extent of their exposure.
ASSESSMENT OF ACTUAL OR POTENTIAL HAZARDS TO HUMAN HEALTH OR THE ENVIRONMENT:
The hazard to human health or environment outside the facility is minimal due to the small amount. The amount of material released from the building would be low since the contaminants were deposited in the room or were removed by

water scrubbers in the exhaust ventilation, and therefore would not be emitted from the building.

The hazard to employees has been mitigated through a thorough cleanup and wash down of the area. The employees who were exposed were exposed only briefly as they evacuated the area. Precautionary monitoring of these employees is being conducted by Hewlett Packard Health Services Medical staff and the Sunnyvale Occupational Health Clinic (Richard Thompson, M.D.)

ESTIMATED QUANTITY AND DISPOSITION OF RECOVERED MATERIAL:
Material removed from the grower will be recycled if possible, or otherwise disposed as hazardous waste. Material created by the thorough cleanup and wipe down of the room will be disposed as hazardous waste. Wipe samples, collected from the affected area after the cleanup, indicated non-detectable levels of arsenic contamination (i.e. < 50 ug/100cm2) Since the cleanup materials are similar to other wastes created during normal production, waste disposal procedures are established.

STEPS BEING TAKEN TO PREVENT FUTURE OCCURRENCE:
This particular incident was caused by operator error. Additional engineering controls are being reviewed for installation so as to render the system fail safe.

BRIAN SHERIN, C S P
SAFETY & HEALTH SERVICES MANAGER
Components, San Jose Site

HEWLETT PACKARD

350/370 West Trimble Road
San Jose, CA 95131-1008
Telephone 408 435 4184

GAIL DELZELL BROWNELL
ENVIRONMENTAL ENGINEERING MANAGER
SITE SERVICES
Components - San Jose Site

HEWLETT PACKARD

370 West Trimble Road/91BC
San Jose, CA 95131-1008
Telephone 408 435 4183 FAX 408 435 4892

TRACY L GARY
ENVIRONMENTAL ENGINEER
Site Services
Components - San Jose Site

HEWLETT PACKARD
370 West Trimble Road
San Jose, California 95131-1008
Telephone 408 435 4188
FAX 408 435 4892

HAZARDOUS WASTE GENERATOR - SUR. SHEET

Hazel Gail Brownell Tracy Gary

BUSINESS NAME: Hewlett Packard - San Jose Site CONTACT PERSON:

ADDRESS: 370 W. Trimble Rd. (street) San Jose, CA (city) 95131-1008 (zip)

HOW LONG AT THIS ADDRESS? _____ CORPORATION? _____ STATE: _____

BUSINESS OWNER: Hewlett-Packard (name) _____ (address)

PROPERTY OWNER: _____ (name) _____ (address)

DESCRIPTION OF BUSINESS, OPERATION & PROCESSES: LED and electronic Wafer Disc Manufacturing -

GENERATOR HAS: (check all that apply)

[] **ISD/TSDF** permit from DOHS

[] Applied [/] Received **variance** from DOHS - Date: 6-22-84

[/] Permit from BAAQMD 272 plant no 616 blding 90 - 402739

[/] Permit from 91 - 405939 city Haz. Mat.

[] Permit from POTW SJ-003A

[/] Business Plan (AB2185/87)

[] Storage permit from S.C.County

[/] **Extremely** Haz. Waste Permit(s) for ~~petroleum~~ See File #1, # 2-959B

[/] **Acutely** Hazardous Materials: fuel oil #2, nitric acid, sulfuric acid, arsine, hydrogen chloride, phosphorous, liq. nitrogen

[] Haz. waste in **U.G. tanks**

[] Permit for Haz. waste tanks >5000 gals.

WASTE STREAMS:

	Annual Qty.
#1, #2, #3 - see Attachment 1	1988 - 459,283 lbs

(Use reverse side for additional waste streams)

TOTAL **QUANTITY** OF HAZARDOUS WASTE GENERATED ANNUALLY: 459,283 (LBS)/KGS.

WASTE **MINIMIZATION** TECHNIQUES BEING USED? [/] Yes (describe below) [] No

ON-SITE WASTE **TREATMENT**? [/] Yes (describe below) [] No

sludge press - calcium fluoride sludge

process area/source reduction - bottle washing, rinse wipes (reduces solid waste)

automatic HF diverter valves - reduces batch treatment requirements (reduces toxicity quantity)

treatment (H-F), (acid waste neutralization)

Other addresses in County that generate haz. waste? _____

Comments: working with DHS - alt tech, & arsenic waste red. & solvent "

BY: Charles Nicholson, Sherry Catena DATE: 1/24/89

TIERED PERMIT FILE INFORMATION

Date Completed 2/1/01 Staff. Nicole Pullman

General Information:

Facility Name: Agilent Technologies Facility Phone No : (408) 435-7400

Site Address: 350 W. Trimble Rd City. San Jose Zip 95131

Contact Person: Rebecca Bond Contact Phone No.: (408) 435-4151
If different from facility No

Contact Fax No . (____) _____ Contact E-mail Address _____

Previous Business Name(s) at This Address: _____

Documents:

Document *(Check box if required)*	Date Submitted/Status
☒ Facility Notification	3/9/00
☒ Phase I Assessment	1/20/99
☒ Financial Assurance	3/9/2000
☐ Other: _____	
☐ Other. _____	
☐ Other: _____	

Unit Information:

Unit No.	Unit Type	Unit Description	Unit Notification Submittal Date	Comments	Date Closed
NS-1	☒ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL	neutralization sys	Initial 3/22/00 Update __/__/__	367957	__/__/__
MPU-1	☒ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL	Metal Precipitation	Initial __/__/__ Update __/__/__		__/__/__
	☐ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL		Initial __/__/__ Update __/__/__		__/__/__
	☐ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL		Initial __/__/__ Update __/__/__		__/__/__
	☐ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL		Initial __/__/__ Update __/__/__		__/__/__
	☐ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL		Initial __/__/__ Update __/__/__		__/__/__
	☐ PBR ☐ CESW ☐ CA ☐ CEL ☐ CESQT ☐ CECL		Initial __/__/__ Update __/__/__		__/__/__

Unit Information *(continued)*:

Unit No.	Unit Type	Unit Description	Unit Notification Submittal Date	Comments	Date Closed
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___
	❑ PBR ❑ CESW ❑ CA ❑ CEL ❑ CESQT ❑ CECL		Initial ___/___/___ Update ___/___/___		___/___/___

Comments: *(Date all comments.)*

PHILIPS

Philips Lumileds Lighting Company

Mitch Cole
Environmental Engineer

370 West Trimble Road
San Jose, CA 95131 USA

Tel: +1 408 964 2562
Mobile: +1 408 592 3222
Fax: +1 408 964 5358
mitchell.cole@philips.com

www.philipslumileds.com

LUMILEDS
LIGHT FROM SILICON VALLEY

never before possible

PHILIPS

Mr. Ruben Williams
Senior Hazardous Materials Specialist
County of Santa Clara
1555 Berger Drive, Suite 300
San Jose, CA 95112

Subject: Company Name Change Date: 2015-03-03

Mr. Williams,

The purpose of this letter is to notify the County of Santa Clara of the name and ownership change associated with the operations at this facility.

The operations at this location will be the same. The date for this change is currently planned for 4/1/2015. The new company name is: Lumileds, LLC. Ownership has not been defined as of the date of this letter.

If there is anything further that you need or have any questions, please send me an email at mitchell.cole@philips.com or give me a call at 408-964-2562.

Best Regards,

Mitchell Cole
Environmental Engineer

Philips Lumileds Lighting Company
370 West Trimble Road, San Jose, California 95131, USA, Tel +1 (408) 964-2562 Fax www.philipslumileds.com

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

RECEIVED BY:
SANTA CLARA COUNTY
ENV. HEALTH
2015 MAR 17 PM 12:58

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA). Lumileds LLC

Name of Corporate Parent Company (if applicable):

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 625

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com new email format in development

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: September 23, 2014

Name of Agency Which Conducted Safety Inspection: County of Santa Clara

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute

Contractor Mailing Address: 1026 Folsom Street, Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	110,000 (bulk tanks)	3674	3
Hydrogen	4368-28-9	11,245**	3674	3

* Only the weight of the regulated toxie substance in the mixture is considered, not the weight of the entire mixture.

**** At Zero PSI (11245# = the maximum the tank can hold). At operational pressure: 96 psi: 8764 Pounds total.**

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: [signature] Date Executed: March 9, 2015

San Jose Mercury News
750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190
408-920-5332

RECEIVED
NOV 22 2010
SANTA CLARA COUNTY
DEPT OF ENVIRONMENTAL HEALTH

PROOF OF PUBLICATION

IN THE
CITY OF SAN JOSE
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

S C COUNTY ENVIRONMENTAL
1555 BERGER DR. BLDG 2 #300,HAZ MAT COMPLIANCE DIV.
SAN JOSE CA 95112-0000

FILE NO. H. Holley

In the matter of

The San Jose Mercury News

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to or interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California as determined by the court's decree dated June 27, 1952, case numbers 84096 and 84097, and that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers, and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned. Said decree has not been revoked, vacated or set aside.

I declare that the notice, of which the annexed is a true printed copy, has been published in each regular or entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

11/20/2010

Dated at San Jose, California
11/20/10

I declare under penalty of perjury that the foregoing is true and correct.

Signed _____

Principal clerk of the printer and publisher of the San Jose Mercury News.

Legal No. **0003763469**

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara Department of Environmental Health has received and reviewed four 5 year updated Risk Management Plans (RMP) under the California Accidental Release Prevention (CalARP) program for the following facilities located in Santa Clara County for the chemicals as noted:

The Metcalf Energy Center - 1 Blanchard Road, Coyote, CA 95013- Ammonium Hydroxide.

Los Esteros Critical Energy Facility - 1515 Alviso-Milpitas Road, San Jose, CA 95134 - Aqueous Ammonia.

The Eggo Company - 475 Eggo Way, San Jose, CA 95116 - Anhydrous Ammonia

Lumileds Lighting, LLC - 370 W. Trimble Road, San Jose, CA 95131 - Anhydrous Ammonia.

The County of Santa Clara has reviewed and found the RMPs complete. the RMPs will be made available to the public for review and comments starting November 18, 2010 for a period of 45 days. Individual and organizations may request the RMPs be reviewed during normal business hours at the location listed below. Please call in advance to arrange for a time to review the document.

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400
SJMN#3763469
November 20, 2010

Lumileds

PHILIPS

Mr. Ruben Williams
Senior Hazardous Materials Specialist
Department of Environmental Health
1555 Berger Drive
San Jose, CA 95112-2716

Philips Lumileds Lighting Company

370 West Trimble Road
San Jose, California 95131

Subject:
Cal ARP Registration Form

Date: 11/1/2013

Mr. Williams:

Enclosed you will find the updated California Accidental Release Prevention Program Registration Form for the operations at this facility.

The addition of an 18,000 gallon liquid hydrogen storage tank is the new addition to the property. The mass of

If you would like to discuss this further, please give me a call at 408-964-2562.

Sincerely,

Mitch Cole

enclosure

2013 NOV -6 PM 12:01

Tel. +1 408 964 2562
Fax: +1 408 964 5358
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 625

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: September 4, 2013

Name of Agency Which Conducted Safety Inspection: SJ/SC WPCP

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute, Inc.

Contractor Mailing Address: 1026 Folsom Street Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Tbreshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3674	3
Hydrogen	1333-74-0	16,000	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Dan Janowski

Owner/Operator Signature: _____ Date Executed: 10/28/2013

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only)	2
		CAR 000 085 081	

BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) 3

Philips Lumileds Lighting Company, LLC.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF...
A. HAZARDOUS MATERIALS		
Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☒ YES ☐ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion – one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE		
1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per H&SC §25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☒ YES ☐ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☒ YES ☐ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS (You may also be required to provide additional information by your CUPA or local agency.) 15

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS OWNER/OPERATOR IDENTIFICATION

I. IDENTIFICATION

FACILITY ID # (Agency Use Only) 1	BEGINNING DATE 100.	ENDING DATE 101
	01/01/2012	12/31/2012

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3	BUSINESS PHONE 102
Philips Lumileds Lighting Company LLC	(408) 964-5300

BUSINESS SITE ADDRESS 103		
370 West Trimble Road		
CITY 104		ZIP CODE 105.
San Jose	CA	95131
DUN & BRADSTREET 106		SIC CODE (4 digit #) 107.
12-499-8217		3674
COUNTY 108		
Santa Clara		
BUSINESS OPERATOR NAME 109		BUSINESS OPERATOR PHONE 110
Philips Lumileds Lighting Company LLC		(408) 964-5300

II. BUSINESS OWNER

OWNER NAME 111.	OWNER PHONE 112
Philips Lumileds Lighting Company LLC	(408) 964-5300
OWNER MAILING ADDRESS 113	
370 West Trimble Road	

CITY 114	STATE 115	ZIP CODE 116
San Jose	CA	95131

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117	CONTACT PHONE 118
Mitch Cole	408-964-2562
CONTACT MAILING ADDRESS 119	
370 West Trimble Road	

CITY 120	STATE 121	ZIP CODE 122
San Jose	CA	95131

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123	NAME 128
Mitch Cole	Dan Janowski
TITLE 124	TITLE 129
Environmental Engineer	Facilities Manager
BUSINESS PHONE 125	BUSINESS PHONE 130
408-964-2562	408-964-2665
24-HOUR PHONE* 126	24-HOUR PHONE* 131
408-964-5300	408-964-5300
PAGER # 127	PAGER # 132
408-592-3222	n/a

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133

Property Owner: Philips Lumileds Lighting Company LLC Phone No.: 408-964-5300

Billing Address: 370 West Trimble Road, San Jose, California 95131

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
	10/28/2013	Mitch Cole
NAME OF SIGNER (print) 136	TITLE OF SIGNER	137
Dan Janowski	Director, San Jose Facilities	

* See Instructions on next page.

Regulatory Reporting for Facilities Exempt On-Call

EHSMS Section Reference: 4.3.2

Facilities On-Call: The person listed as "On Call" shall be available 24/7 for the duration of their listed week. The expectation is that the individual is no farther than about an hour away.

Initiation of the Crisis Management Team: The Facilities exempt On-Call resource should contact the CMT if the incident occurring constitutes a significant threat to the life or health of personnel, significant threat to Lumileds assets, reputation or brands, or which could (potentially) cause serious disruption to Lumileds' business operations.

Safety Issues

CAL-OSHA injury reporting – Serious injuries must be reported to CAL-OSHA district office within 8 hours. See page 3.

Life Safety System problems - Must shut down tools using toxic, flammable, or corrosive gases if monitoring system is down.
Production contact list – Shift supervisors cell # (408) 497-3053
Line maintenance lead tech cell # (408) 590-1372

Fire – be available by phone as a reference to provide technical information to Fire Chief.

Evacuation – verify all building occupants are out of the building and accounted for through the evacuation sweep process. Only the CMT/ERT IC or Fire Chief can clear the building for re-entry. The IC may call EHS for advice on re-entering the building.

ERT / MERT Call out – be available as a technical resource for chemical exposure, clean up, decon, ppe, etc.

CAL-OSHA inspection – may happen in response to a complaint. Most likely this will occur during normal business hours. Arrange for someone to escort the OSHA Inspector during their visit.

Fire Department Inquiry – most likely will occur during normal business hours, however questions may come up after the fire department responds to an incident on site. If beyond your expertise, take accurate notes and get their contact information for follow up.

Environmental Issues

Release to storm drain – is considered an off-site release. This goes for all chemicals, salts, raw sewage (sanitary sewer overflows). The San Jose Fire Dept. must be notified (have SRC call 911). Our storm drains are normally kept closed. If spills occur in the service yard, prevent the spill from reaching the storm drain if possible. Stop the source of the leak. ERT can clean up small leaks. Call Decon Environmental for large clean up.

Sanitary Sewer Overflow – this is when the sanitary sewer backs up and flows out of the manholes, across the pavement and into a storm drain. Under these circumstances notify all of the following:

DOT SSO Dispatch:	(408) 794-1900
WPCP Main Line:	(408) 635-6600
Watershed Senior Inspector:	(408) 945-3000

Sewer Discharge – This is a release into the sanitary sewer of something bad. Notification required IMMEDIATELY for pH adjustment failure, interfering substances (flammable, toxic, corrosive, etc). Note: pH limits within the permit are between 6.0 and 12.5.

Call Water Pollution Control Plant:
WPCP Main Line (408) 635-6600

Reportable Release: If the Environmental Engineer cannot be reached, and there has been a chemical release to air, soil, surface water, groundwater – you'll have to make a best guess if the released quantity is over the "Reportable Quantity" aka "RQ." This quantity varies depending on the substance and can be found in 40 CFR 302.4 and 40 CFR Part 355 Appendix A. (Those chemicals on the lists that we actually have onsite over RQ quantities are listed below)

Chemical	RQ (in pounds)
Ammonia	100
Ammonium Hydroxide	1000
Arsenic compounds	1
Arsine	1
Chlorine	10
Copper Chloride	10
Hydrofluoric Acid	100
Naphthalene (in EKC 922)	100
Nitric Acid	1000
Phosphine	100
Phosphoric Acid	5000
Sodium Hydroxide	1000
Sodium Hypochlorite	100
Sulfuric Acid	1000

If so, you will *immediately* need to report the release to the following:

911
CUPA (County of Santa Clara): (408) 918-3400
California Office of Emergency Management (800) 852-7550
National Response Center. (800) 424-8802

Furthermore, in California, all significant releases of hazardous materials must be reported to everyone above except the national response center. They do not define significant.

Decontamination contacts for spill clean up –

Decon Environmental,
Ken Haskell: (510) 385-5612
Ron Reynolds (510) 750-4905
Decon On Call (800) 925-4994

ERT call out – be available as a technical resource for decon, decon contractors, spill clean up, etc.

Owl Issues – Help answer questions as needed.

Post Earthquake BORP Response

Structural Inspector:

Degenkolb Engineers
235 Montgomery Street, Suite 500
San Francisco, CA 94104
Phone (415) 392-6952

1. Name: Robert Pekelnicky
   Cell Phone: (415) 533-0077
   Email: rpekelnicky@degenkolb.com

2. Name: Bryan Bindrich
   Cell Phone: (608) 628-4738
   Email: bbindrich@degenkolb.com

If phone lines in San Francisco are down, please contact our offices in Los Angeles at (213) 596-5000 or Portland (503) 223-9932.

Triggers:

Philips Lumileds personnel and other members of the Emergency Inspection Team have been instructed to report to the building within eight daylight hours to begin the evaluation procedures described in this manual when a seismic event meets one of the triggers set forth in this document. These trigger levels are as follows:

- Magnitude 6.0 or greater earthquake with an epicenter located within 25 miles of the site.
- Magnitude 7.0 or greater earthquake with an epicenter located within 75 miles of the site.
- A state of emergency in the City of San Jose or Santa Clara County has been declared.

If the trigger level earthquake occurs, inspectors are to report to the Command Center in the parking lot to the west of Service Building 90. The Area Resource Center (ARC) is located in the boiler room in Service Building 90. The Command Center and ARC locations are provided on the BORP – Key Emergency Resources Plan in Appendix I. Inspectors are to notify the Building Division immediately if the building area poses a **public safety hazard or if emergency demolition or shoring permits are required.** The emergency inspection shall be initiated within eight hours of daylight access to the building and the completed evaluation forms shall be submitted to the Building Division within 72 hours of any declared state of emergency.

CAL-OSHA Reporting Requirements

Incidents requiring reporting to the Division within 8 hours:

- Fatal injury to an employee
- Serious injury or illness to employee

A serious injury or illness is defined as:

- Loss of a member of the body (e.g., amputation)
- Serious degree of permanent disfigurement (e.g., crushing or severe burn type injuries)
- In-patient hospitalization in excess of 24 for other than observation

Before notifying Cal-OSHA:

- Discuss with EHS
- Contact OHN to find out employee's estimated length of hospitalization.
-

If a fatal or serious injury or illness to an employee occurs, the employer must report by telephone or fax to the nearest district office of the Division (refer to Cal/OSHA poster) not longer than 8 hours after the employer knows or with diligent inquiry would have known of the incident. If the employer can demonstrate that exigent circumstances exist, the time frame for the report may be made no longer than 24 hours after the incident.

Information required to be reported to the Division:

1. Time and date of accident.
2. Employer's name, address and telephone number.
3. Name and job title of person reporting the accident.
4. Address of site of accident or event.
5. Name of person to contact at site of accident.
6. Name and address of injured employee(s).
7. Nature of injury.
8. Location where injured employee(s) was (were) moved to.
9. List and identity of other law enforcement agencies present at the site of accident.
10. Description of accident and whether the accident scene or instrumentality has been altered.

CAL-OSHA Regional Office to report injuries:

Fremont
39141 Civic Center Drive,
Suite 310
Fremont, CA 94538
(510) 794-2521
Fax (510) 794-3889

Note: Police and Fire Agencies responding to workplace injury accidents are also required to report the injury to CAL-OSHA. This does not change the reporting requirement for Philips.

(2) For stationary sources with only regulated flammable substances held in a process above the threshold quantity, the owner or operator has coordinated response actions with the local fire department; and,

(3) Appropriate mechanisms are in place to notify emergency responders when there is a need for a response.

NOTE: Authority cited: Sections 25531 and 25534.05, Health and Safety Code. Reference: Section 25531, Health and Safety Code; and Section 68.90, Part 68, Title 40, Code of Federal Regulations.

Section 2765.2 Emergency Response Program.

(a) The owner or operator shall develop and implement an emergency response program for the purpose of protecting public health and the environment. The emergency response program shall include the following elements:

(1) An emergency response plan, which shall be maintained at the stationary source and contain at least the following elements:

(A) Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response;

(B) Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures; and,

(C) Procedures and measures for emergency response after an accidental release of a regulated substance;

(2) Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance;

(3) Training for all employees in relevant procedures and relevant aspects of the Incident Command System; and,

(4) Procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

(b) A written plan that complies with the contingency plan format developed pursuant to Section 25503.4 of HSC and that, among other matters, includes the elements provided in section (a), shall satisfy the requirements of this section if the owner or operator also complies with section (c). The contingency plan format shall be provided by OES upon request.

Williams, Ruben

From: Cole, Mitchell <mitchell.cole@philips.com>
Sent: Monday, September 29, 2014 1:48 PM
To: Williams, Ruben
Subject: RE: Notification procedure.

Other tasks currently underway:

1. I called OES to find out what they do to notify the public in an emergency. That guy forwarded me to John Kolman at DTSC.
2. John forwarded me to Jack Harrah (also with CalEPA) who is apparently their CalARP expert. Waiting for a call back.

Mitch Cole
Environmental Engineer
Work 1.408.964.2562 | Mobile 1.408.592.3222
Mitchell.Cole@Philips.com
Philips Lumileds
370 W. Trimble Road, San Jose, CA 95131

PHILIPS
LUMILEDS

From: Cole, Mitchell
Sent: Monday, September 29, 2014 1:09 PM
To: ruben.williams@deh.sccgov.org
Subject: RE: Notification procedure.

Ruben,

According to my sent files, it was attached... You can get PDF files right?

Mitch Cole
Environmental Engineer
Work 1.408.964.2562 | Mobile 1.408.592.3222
Mitchell.Cole@Philips.com
Philips Lumileds
370 W. Trimble Road, San Jose, CA 95131

PHILIPS
LUMILEDS

From: Cole, Mitchell
Sent: Monday, September 29, 2014 10:58 AM
To: ruben.williams@deh.sccgov.org
Subject: Notification procedure.

Ruben,

The notification process for regulatory reporting is attached. It can be enhanced with the individual phone numbers of the public receptors from the other procedure.

Does this look reasonable? It's designed to cover CalARP in addition to CERCLA, local haz mat, Sanitary Sewer, storm drains, Safety stuff, management, etc. In addition to 911, it also adds the CUPA, OES, and the NRC.

Note the date.

Best Regards,

Mitch Cole
Environmental Engineer
Work 1.408.964.2562 | Mobile 1.408.592.3222
Mitchell.Cole@Philips.com
Philips Lumileds
370 W. Trimble Road, San Jose, CA 95131

PHILIPS
LUMILEDS

The information contained in this message may be confidential and legally protected under applicable law. The message is intended solely for the addressee(s). If you are not the intended recipient, you are hereby notified that any use, forwarding, dissemination, or reproduction of this message is strictly prohibited and may be unlawful. If you are not the intended recipient, please contact the sender by return e-mail and destroy all copies of the original message.

Attachment C

Public Notification Procedure

Document No:	Rev: AA
Title: Emergency Public Notification	Date Created: 7/30/08
Originator: Mitch Cole	Date Issued:

1.0 Purpose:

1.1 To fulfill the public reporting requirements required by CalARP

2.0 Scope:

2.1 Philips Lumileds San Jose operations

3.0 Reference Documents:

3.1 California Code of Regulations Title 19 Chapter 4.5 Article 7 Emergency Response Program

4.0 Terms / Definitions:

4.1 CalARP: California Accidental Release Prevention

4.2 Release: A release of Ammonia from the ISO Bulk container that is greater than a line shear. This would be a tank rupture, explosion, burst disk failure or other catastrophic failure resulting in a large enough release to have offsite consequences.

4.3 CalARP Worst Case Scenario: assumes the entire contents of one full tanker is released and evaporated within 10 minutes. In this event, the dangerous end point is 1.9 miles from the source.

5.0 Responsibilities:

5.1 Incident Commander, IC: Identification of release size to initiate this procedure

5.2 Security: Complete the public notification indicated within this procedure

6.0 Supplies / Materials:

6.1 Ammonia MSDS (see Lumilink)

7.0 Equipment

7.1 NA

8.0 Safety / Environment:

8.1 NA

9.0 Requirements:

9.1 Complete the public notification as soon as possible after being instructed by the IC to do so.

9.2 Note: It is important not to over-report and cause undue fear within the community.

10.0 Procedure:

10.I Starting at the top of the list, call each phone number and relay the following message:

10.1.1 This is an emergency notification that there has been a catastrophic failure with the Ammonia Storage vessels at the Philips Lumileds manufacturing site. The recommended action is to shelter in place – closing all windows and doors and eliminating other sources of outside air from entering your building. The location of the release is 370 West Trimble Road in San Jose. Either the Fire Department or us will call you back when it is safe to resume normal operations. Questions can be directed to the communications personnel at (408) 964-2565.

10.2 When the IC and/or the Lead Agency in charge at the time indicates, call each phone number and relay the following message:

10.2.1 This is a follow up of the emergency notification made earlier. The hazard has been eliminated and you may resume normal activities. Thank you for your cooperation.

11.0 Maintenance and Calibration:

11.1 EHS: Annual verification that the phone numbers in this procedure are accurate.

12.0 Process Control / Monitoring:

12.1 NA

13.0 Other:

13.1 **Contact List:**

13.2 Numbers to call AFTER 911 has been notified:

13.3 Schools:

13.3.1 Montague Elementary School: **(408) 988-3052**

13.3.2 Bachrodt Elementary School: **(408) 535-6211**

13.3.3 Bachrodt Preschool: **(408) 435-0511**

13.4 Hospitals (none within the 1.9 mile radius)

13.5 Airport: San Jose International **(408) 277-4706**

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

13.6 Churches

13.6.1 North Valley Baptist Church: **(408) 988-8883**
3530 DeLaCruz Blvd, Santa Clara
941 Clyde Ave, Santa Clara

13.6.2 River of Life Christian Church **(408) 260-0257**
1177 Laurelwood Rd, Santa Clara

13.6.3 Ethiopian Christian Fellowship **(408) 266-9242**
1700Space Park Dr. Santa Clara

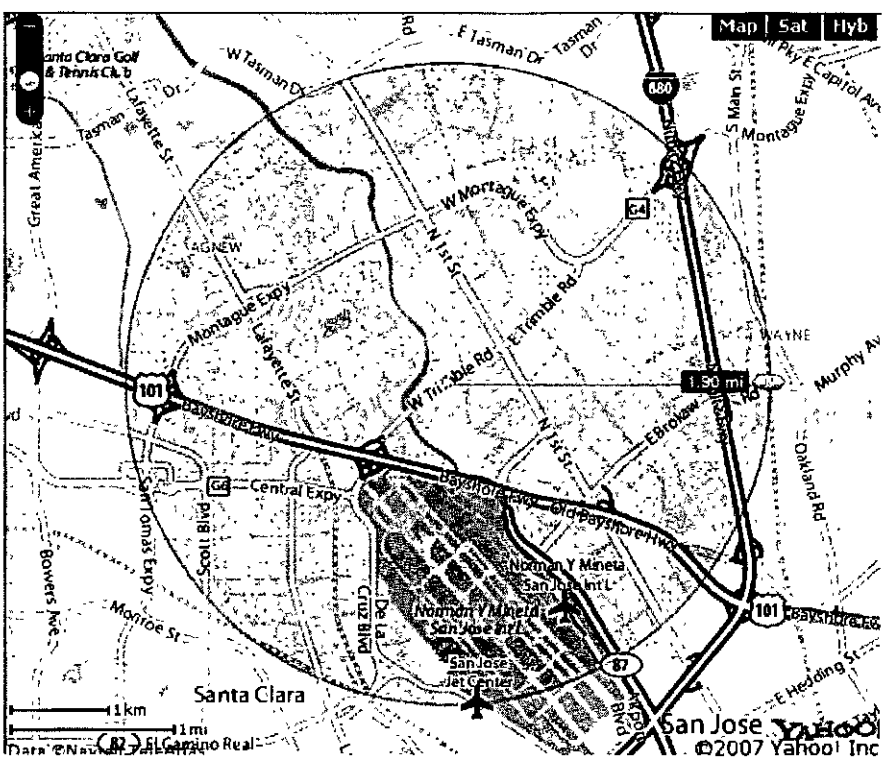
13.6.4 His Glorious Church **(408) 982-9806**
2934 Scott Blvd, Santa Clara

13.6.5 Free Will Baptist Church **(408) 988-0530**
Ash St & Davis St, Santa Clara

13.6.6 SGI-USA **(408)727-2604**
1875 DeLa Cruz Blvd, Santa Clara

13.6.7 Glorious Blble Church **(408) 441-1777**
1358 Ridder Park Dr. San Jose

13.6.8 New Harvest Christian Fellowship **(408) 437-6004**
1362 Ridder Park Dr. San Jose



CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

Document No.

Document Title : **Rev:**

Revision History Page

LCO No.	Date Issued	Originator	Owning Dept.	Rev	Reason For Update

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

County of Santa Clara
Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400
www.EHinfo.org

FILE

January 5, 2010

Mr. Mitch Cole
Lumileds Lighting, LLC
370 W. Trimble Road
San Jose, CA 95131-1008

Reference: Reminder to Submit 5 year Updated Risk Management Plan

Dear Mr. Cole:

Your facility currently has an active Risk Management Plan (RMP) on file with our agency for California Accidental Release Prevention Program 3 for the chemical anhydrous ammonia (CAS#7664-41-7) used at your facility that exceed the federal threshold of 10,000 pounds. As part of this program under the California Code of Regulation (CCR), Title 19, Section 2745.10 the owner or operator of a stationary source shall revise and update the RMP submitted under Section 2745.1 within 5 years of its initial submission.

Your initial submittal date to us was in July 1 2005, and your next 5 year submission for an updated Risk Management Plan should be submitted on July 1, 2010.

Please notify us ahead of time of scheduled revalidation of your Process Hazard Analyses, so our staff may attend. If you have any questions please contact me at 408-918-1985 or e-mail: ruben.williams@deh.sccgov.org.

Sincerely yours,

Ruben Williams

Ruben Williams, CHMM, REA
Senior Hazardous Materials Specialist
Hazardous Materials Compliance Division

Board of Supervisors: Donald F. Gage, George Shirakawa, Dave Cortese, Ken Yeager, Liz Kniss
County Executive: Jeffrey V. Smith

RECEIVED BY:
SANTA CLARA COUNTY
DEPT. OF ENV. HEALTH
2008 JUL 14 AM 11:34

PHILIPS

CERTIFIED MAIL ARTICLE NUMBER 7099 3400 0016 2568 5580

Mr. Ruben Williams
Senior Hazardous Materials Specialist
Department of Environmental Health
1555 Berger Drive
San Jose, CA 95112-2716

Philips Lumileds Lighting Company

370 West Trimble Road
San Jose, California 95131

Subject:
Cal ARP Registration Form

Date: 07/09/2008

Mr. Williams:

Enclosed you will find the updated California Accidental Release Prevention Program Registration Form for the operations at this facility.

The Chlorine has been managed below threshold levels and is no longer subject to CalARP requirements. We currently have a single 90# cylinder in a gas cabinet and an identical cylinder in the storage area.

I had discussed the storage of Ammonia in the Y-cylinders with manufacturing. They intend to keep them onsite as an emergency backup in the event of operational failure of the primary system. However, the storage of these has been brought from 5000 pounds down to 4000 pounds to be in conformance with the information outlined in the RMP.

If you would like to discuss this further, please give me a call at 408-964-2562.

Sincerely,

Mitch Cole

enclosure

PHILIPS

Tel. +1 408 964 2562
Fax: +1 408 964 5358
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

RECEIVED BY:
SANTA CLARA COUNTY
DEPT OF ENV. HEALTH

2008 JUL 14 AM 11:34

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 525

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: June 2008

Name of Agency Which Conducted Safety Inspection: Cal OSHA (for PSM requirements)

Name of Contractor Who Helped or Will Help Prepare RMP: EORM, Inc.

Contractor Mailing Address: 283 E. Java Drive, Sunnyvale, CA 94089 Phone No.: (408) 822-8120

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	4000 (y cylinders)	3674	2
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: [signature] Date Executed: 7/8/2008

SANTA CLARA COUNTY
ENV. HEALTH
7 PM 4:45

The Mercury News
The Newspaper of Silicon Valley

750 Ridder Park Drive
San Jose, CA 95190

RECEIVED
JUL 17 2006
SANTA CLARA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH

July 13, 2006

Santa Clara County Department of Environmental Health
Hazardous Materials Compliance, 1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
ATTENTION: RUBEN WILLIAMS

Re: THANK YOU

Thank you for choosing the San Jose Mercury News for your legal advertising needs. We're committed to providing you with prompt, efficient service and, like you, we're especially sensitive to the importance of accuracy and reliability. You can rest assured all your legal requirements will be met in a professional manner.

If you have any questions or need further assistance, please call me. I will also contact you periodically regarding your legal advertising needs. I look forward to having the opportunity to serve you again.

Sincerely,

Gwen Robinson
Classified Legal Advertising Representative
Email: legals@mercurynews.com
(408) 920-5332 voice
(408) 920-5271 fax

PROOF OF PUBLICATION

San Jose Mercury News

750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190

IN THE
City of San Jose
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

Santa Clara County Department of Environmental Health
Environmental Resources/Hazardous Material - Ruben Williams
1555 Berger Drive
San Jose, CA 95112
Legal Ad No. 1942388

STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers,and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

July 13,2006

Dated at San Jose, California
this 13th day of July,2006
I declare under penalty of perjury that the foregoing is true and correct.

Signed.....
Principal clerk of the printer and publisher of the San Jose Mercury News.

PUBLIC NOTICE

Risk Management Plan Notification

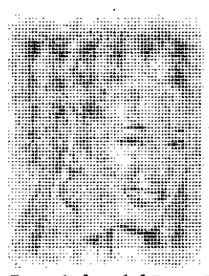
The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

July 13, 2006 1942388

Obituary Notices

PLEASE VIEW AND SIGN THE ONLINE GUEST BOOK AT **MERCURYNEWS.COM**



Mary Rose Schendel Bernstein

Our beloved Mary entered into rest on July 10, 2006 in San Jose, CA. She was born on September 27, 1985 in Los Gatos, CA. Her generous spirit, strength of character and loving devotion to all her dear ones will always be remembered.

She graduated from Oak Grove High School in San Jose and attended UC Santa Cruz.

Mary is survived by Alex and Lisa Bernstein, her beloved parents, her sister, Jennifer, her brother, Michael, her grandparents, Ross Schendel and Jack and Miriam Bernstein, her great grandmother, Pierina Cavallini, her uncles, her aunts and many cousins.

Mary was loved and will be greatly missed. Those touched by her will remember her forever and her memories will be fondly cherished. We love you dearly and will miss you very much. You will always be within our thoughts. May the Lord be with you, our sweet Mary.

There will be a memorial service to celebrate her life and the love and joy she gave so willingly to all those who knew her.

A Celebration of her Life will be held at 3:00 p.m. on Saturday, 7-15-06 at Evergreen Valley High School, 3300 Quimby Rd., San Jose, CA. In lieu of flowers, donations may be made to the Diabetes Foundation.

Arrangements by DARLING FISCHER Chapel of the Hills.

Jean E. Blyther

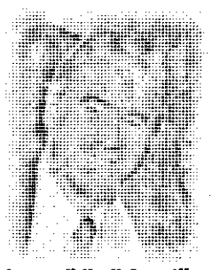
On July 10, 2006 she left us to be with her late husband, Fran, of 67 years. She was an adored sister of Marian Hokanson, of San Jose. She was a devoted and caring mother of 2 children: Pam, of San Jose, and Gary, of Ontario. A beloved grandma of Robin, Jeff and Brian. And great-grandma of Drew, Kira and Jacob. She was a great friend to many whether it was at the fruit packing plant for seasonal work or during the sewing club. She has made us all feel loved and never alone. She always opened her home to all friends and was always up for a game of cards. You loved life and lived it fully. You will always be remembered. Love Yr

Graveside servic day, July 14, 2006 at 2:00 p.m. at Oak Hill Memorial Park, San Jose.

Zeena M. Brothers

Passed away on day, July 10, 2006. She was b .n Lawrence, Mass, on September 5, 1926. Zeena is survived by her son Robert Brothers, his wife Esther, three grandchildren, Brian, David, Jessica and their spouses, her brother Joseph Traina, his wife Nancy and niece Mary.

A Memorial Mass will take place at St. Frances Cabrini Catholic Church on Friday, July 14, at 9:30 a.m. Interment at Los Gatos Memorial Park, 2255 Los Gatos Almaden Road, San Jose. Arrangements by Darling & Fischer Chapel of the Hills in Los Gatos.



James "Jim" Cancilla

Age 53, died peacefully on July 8, 2006, after a courageous battle with cancer. He is survived by the love of his life, Patty Martin, his children, Nick & Michelle Cancilla, stepchildren, Michael & Michele Martin, granddaughter Andie, mother May Cancilla, father Anthony Cancilla and wife Julie, brother Al Cancilla and wife Virginia, and numerous relatives and friends. He will be deeply missed by all.

A Rosary will be held at 7:00 p.m. on Thursday, July 13th at Lima Family Santa Clara, 466 N. Winchester Blvd. Funeral Service Friday, July 14th at 10:00 a.m. at Lima Family Santa Clara. Burial to follow service at Santa Clara Mission Cemetery.

Irma Helen Corradi

At rest in Mtn. View, CA on July 8th. Beloved wife of 63 years to Isadore Joseph Corradi of Mtn. View; loving mother of Catherine (Edwin) Nazario and Carolyn Corradi; devoted grandmother of Renee (Tareq) Samaha, Rodney (Betsy) Nazario and Robyn Nazario and great grandmother of Malia, Nadia, Sarah and Nathan. Also survived by 16 nieces, 14 nephews and preceded in death by her parents and sister, Ellen Tuomela.

A native of Virginia, MN, aged 86 years. Irma has lived in Mtn. View since 1961 and retired from Veterans Admin. Hospital, Palo Alto. She belonged to the Cane Club and the Peninsula Social Club.

Private inurnment has been held. A Celebration of Irma's life will be held at a later time. Contributions in Irma's name may be made to the American Cancer Society or the Lymphoma Leukemia Foundation. Arrangements by the Cusimano Family Colonial Mortuary, Mtn. View, CA.

Robert Charles Conway

Born December 30, 1985, passed away on July 10, 2006. He is survived by his parents, Jim & Kathleen Conway, sister, Christine Conway, grandmothers, Mary Conway, Lois Blaylock, and many aunts and uncles, cousins and loving friends.

Robert was an innocent victim in a tragic automobile accident. He was only twenty years old, a recent graduate of Evergreen Valley College and was following in his father's footsteps as an Art major at San Jose State University. He was a life-loving boy who changed our world. Christine will miss her brother and best friend so very much. He was the light of our lives and filled our home with joy, humor, and laughter. Robert held the keys to our hearts. We will love you forever, Robert.

In lieu of flowers please send donations to Robert Charles Conway Memorial Fund c/o Comerica Bank, 5601 Silver Creek Valley Road, San Jose, CA 95138. A Celebration of his Life will be held will be held at 3:00 p.m. on Saturday, 7-15-06 at Evergreen Valley High School, 3300 Quimby Rd., San Jose, CA. Arrangements by Oarling-Fischer Chapel of the Hills.

Edward James Crandall

Passed away on Thursday, July 6, 2006, at his home in San Jose, after a long illness. He was born at the old O'Connor Hospital in San Jose, on Sept. 27, 1942. Memorial Services will be held Saturday, July 15, 2006 at the San Jose Elks Lodge, 444 W. Alma. Neptune Society is in charge of funeral arrangements.

Jim, as he was known to all, was born to Edward and Dolly (aka Matilda) Crandall. He graduated from Bellarmine College Prep. From there he attended and completed a course of study from the San Francisco College of Mortuary Science in 1963, and graduated as an Embalmer. He was employed at the Whitehurst Funeral Home in Los Banos. He married and moved to Chicago where he was employed at a Research Institute. After a divorce, he moved back to San Jose.

He is survived by his mother Dolly Crandall of Morgan Hill, two children, Edward B. (Julie) Crandall and Joan (Sheldon) Meyers, four grandchildren, Emily, Darlene, and Joseph Crandall, and Julian Meyers, sisters Karyn Smith, Denise Delgago and brother Dan Crandall, and uncle Charles Crandall.

He was a life member of the San Jose Elks Lodge #522, serving as Tiler for five years, also a member of the Eagles.

In lieu of flowers, donations may be made to California-Hawaii Elks Major Project (for Crippled Children), 5450 E. Lamona Ave., Fresno, CA 93727-2224, or a charity of your choice.

Carlos Cruz Garcia

Age 73. Visitation Thurs. 5-9pm and vigil 7 p.m. Chapel of Roses at Oak Hill Funeral Home. Funeral service Fri. 10:30 a.m. Sacred Heart of Jesus Catholic Church, 325 Willow St., San Jose. Arrangements by Oak Hill Funeral Home, San Jose.

Danny Michael Kitchen

Age 47, went home to be with his Lord and Savoir Jesus Christ on Sunday, July 9, 2006. Danny was survived by his beloved mother and father DeDe and Dan Kitchen; his son Daniel Kitchen; loving sisters Gayle DeLuca and Lisa Stark; nephews Michael Martinez, Mathew DeLuca, Erick Stark; nieces Nichole, Danielle and Brittney Stark; His love and best friend, Michelle Evangel and her daughter Amanda Gil; His "kissing cousins" Garry "Cuz" Castro and Cathy Castro. Danny has a large family and many friends who will miss him immensely.

Danny grew up in Campbell and lived there for the last 47 years. As a young man he attended Westmont High School. After high school, Danny decided to join the Local Laborers Union #270. Danny was an asset to any company he worked; he moved up the ranks quickly. He worked for such companies as Glage Underground Construction, Norman B. Houge, Eric Star Interiors and later in his career became General Superintendant of Magnum Drywall. Danny loved to live life to its fullest. Danny was a true example of a "giving spirit" always willing to lend a helping hand. He was so affectionate and lovable; you could always count on a hug and kiss from him. His smile was so contagious that it lit an entire room. His sense of humor was one of his best attributes because he loved to make people laugh. His favorite pastimes were fishing, boating on his boat, "Wet Dream", dancing and hanging with his friends and family. Danny was a great son, a wonderful brother, and an incredible friend. Family and friends meant the world to Danny.

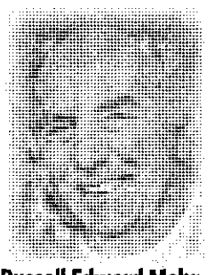
His funeral will be held on July 14, 2006 at 1:00 p.m. at South Valley Christian Church , 590 Shawnee Lane, San Jose, CA 95123. His burial will be held immediately following the church services at Los Gatos memorial Park, 2225 Los Gatos Almaden Road, San Jose, Ca. All flower arrangements should be sent to the church.

German Antonio Landaverde

A native of El Salvador, age 62, passed away at home in Chiapas, Mexico surrounded by loved ones.

German will be greatly missed by his children Kermit, Rosalynn, Marcus and the rest of his family and friends in the US, Mexico and Central America.

Family and friends are invited to attend a Memorial Mass on Saturday, July 15th at 10:00 a.m. at Five Wounds Church located at 1375 E. Santa Clara St., in San Jose. Donations in German's memory may be made to the American Cancer Society at 1-800-227-2345.



Russell Edward Mohr

A third generation San Franciscan, died on July 5, 2006 in Los Gatos, California, aged 80.

Russell was born November 11, 1925 in San Francisco. He was the youngest of three sons born to Lucile and J. Henry Mohr. He was a vivacious, happy, energetic man with a dynamic personality and a positive outlook on life.

He honorably served in the U S Navy in the South Pacific during World War II.

He had a successful 55-year career as a Real Estate Broker, specializing in residential properties in Los Gatos, Palo Alto and the surrounding cities. He was a member of Silicon Valley Association of Realtors and Los Gatos-Saratoga Board of Realtors. He was very well known and respected in the real estate community and had a great love for his profession. He enjoyed traveling and through the years he and his wife Bette, traveled to all corners of the world.

He was a long time member of Courtside Club of Los Gatos where he established several wonderful friendships. His locker mates will miss his endless array of inevitable jokes. He will be missed by all who knew him.

Russell Edward Mohr is survived by his loving wife, Bette Paris Mohr, his brother and sister-in-law, J. Henry Mohr Jr.and Beverly Mohr; and his children: His daughter and son-in-law, Linda and Robb Rodden; his son, Cliff Mohr, Deborah Paris Raiche and Paul Raiche; Diane Paris Berry and Adam Berry; Joe and Raegan Paris, and his grandchildren, David and Jenna Rodden, Beth Rodden and Tommy Caldwell, Justin and Sharon Mohr, Cameron Mohr, Matthew Raiche, Nathan and Amanda Raiche Monk, Heather Greenwood, Sean Greenwood, Morgan Paris and Ryan Paris.

A celebration of Russ's life will be announced at a future date. For details please send an email address to DianeParisBerry@aol.com In lieu of flowers, the family would greatly appreciate donations be made to Donations of Hospice Foundation of Cape Cod 27- Communication Way, Hyannis, MA 02601.

Lula Jean Nelson

Passed away peacefully on June 18, 2006 in Rocklin, CA. Lu was preceded in death by her husband Robert Nelson. Lu was born on February 22, 1924 in Greeley, CO to Al Vira and Otis Hanna. She is survived by her twin sister Lola Samson, of Sacramento. Lu had 4 daughters, Patty DeTar (Cliff) of Dixon, Roberta Tosta (Larry) of Elk Grove, Susan Girimonte (Joe) of Woodland and Carol Ventura (Rich) of Elk Grove. Lu was proud of her 9 grandsons, 2 granddaughters, and 6 great-grandchildren.

Lu was passionate about everything she did. She was an accomplished seamstress and loved to golf. She was a member of the Deep Cliff Ladies Golf Club in Cupertino. She was a volunteer to many charitable organizations. She attended college at William Jewell in MO. Lu was a wonderful entertainer and cook and loved having visitors to her home in Saratoga. She also loved to travel with her husband, Bob, as well as dance and play bridge.

A Memorial Service will be held at Los Gatos Presbyterian Church, 16575 Shannon Road, Los Gatos, on July 14, 2006 at 11 a.m. Donations may be made to your local hospice or the American Alzheimer's Assn.

Petra Ornelas

Entered into rest San Jose, CA on July 10, 2006. Beloved wife of Jesus Ornelas. Devoted mother of Efrain, Maria, Jesse, Gloria and Johnny Ornelas. Loving grandmother of Marisol, David, Ashley, Emily and Angelika.

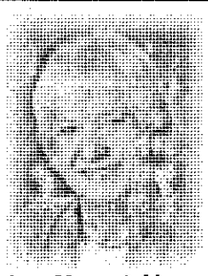
A native of Teocaltiche, Jal Mexico. Age 75.

Friends are invited to attend a Vigil service on Sunday, July 16, 2006 at 7:00 P.M. at Lima Family Erickson Mortuary, 710 Willow Street, San Jose. Funeral service will be held Monday, July 17, 2006 at 9:15 A.M. at the above mortuary, then to the Cathedral of Basilica of St. Joseph Church where a Funeral Mass will be celebrated commencing at 9:30 A.M. Interment to follow at Santa Clara Mission Cemetery.

Nellie L. Ruiz

Born November 6, 1920 in Peoria, AZ. Passed away on July 10, 2006. She was preceded in death by Jesus Ruiz and survived by daughter Norma, son Ricardo, daughter-in-law Lynn, grandchildren Richard Alan and Rachael (Jonathan), brother Marcos Lopez (Martha), and numerous beloved family and friends.

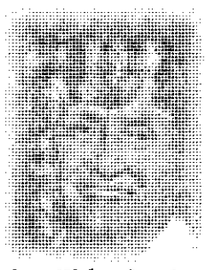
Visitation on Friday, July 14 from 5 - 9 p.m. Rosary at 7 p.m. at Lima Family Santa Clara Mortuary, 466 N. Winchester Blvd., Santa Clara. Funeral Service will be held Saturday, July 15th at 10 a.m. at St. Lawrence Catholic Church, 1971 St. Lawrence Dr., Santa Clara.



Joan Mauer Schlenz

Died peacefully at Stanford University Hospital on June 28, 2006.

Joan was the daughter of Laura Wells Mauer and Sylvester Mauer of Grosse Pointe, Michigan. After completing her K-12 education at St. Paul on the Lake, she attended Marygrove College (for women), where she received her BA degree in Speech and Drama. She did graduate work in Speech and Drama at Catholic University of America in Washington D.C. and at Wayne State University in Detroit, Michigan. She taught primary school in Detroit and during her teaching tenure she also directed a number of high school plays.



Jane Weber Szanto

Sept. 18, 1926 - July 8, 2006

Entered peacefully into rest surrounded by her family. Beloved wife for 56 years of Elmer Szanto. Loving mother to Lynn (Matisse), Gregg (Susan), Lori (Patrick) and Amy (Ronald). Grandmother to Michael, Joshua, Zachary Alexandra.

A long time member of Saratoga Presbyterian Church, her Christian faith was an important part of her life. Jane was a top salesperson at Bullock's in Valco, Janus and Coo Junction in Los Altos. Jane was g erous in assisting people in nee and supporting many charitable organizations. She was a skillful baker, avid reader and loved traveling, especially to Lake Tahoe. Jane was a caring and devoted wife, mother and grandmother who loved her family dearly. She will be deeply missed.

We owe a special thanks to Dr. Elizabeth Vilardo for her exemplary efforts in caring for Jane.

A memorial service will be held on Friday, July 14, 20D6 at 2:00 p.m. at Saratoga Presbyterian Church at 20455 Herriman Avenue.

In lieu of flowers, the family asks that donations be sent to one of her favorite charities: the Salvation Army or the Smile Train.

Ronald E. Wetterstrom

Age 51, passed away July 9, 2006 due to complications from a cardiac arrest. Ron was born and raised in San Jose and was a gifted songwriter and musician. His gentle spirit and gracious heart will be greatly missed. Beloved son of the late Luvern and Alice Wetterstrom. Survived by his loving sisters and brothers, Penny Bombaci, Bill Wetterstrom, Deborah Del Cerro and Dale Wetterstrom.

Visitation will be Friday, July 14th at 1:30 p.m. and the Service at 2:30 p.m. at the Chapel of the Roses, Oak Hill Funeral Home, 300 Curtner Ave., San Jose.

Janine Simas-Peichoto

March 22, 1950-June 21, 2006

On the first day of summer, June 21, all in Heaven celebrated the arrival of Janine Simas-Piechoto, a great lady who graced this earth with her incredible presence for far too short a time. Her roles in life were many - dear daughter, dedicated wife, loving mother, loyal sibling, favorite aunt, consummate friend, trustworthy employee, successful business owner and outstanding member of the community.

Janine was the first daughter born to the late George and Louise Simas of Simas' Jewelers in Milpitas, a business which will celebrate its 50th anniversary later this year. Janine, along with her older brother, Robert, and younger sisters Terri and Suzette, grew up here in Santa Clara Valley. She graduated in 1968 from James Lick High School, and in 1970 from Heald Business College.

She married her husband, John, in February 1973 and gave birth in January 1979 to her daughter and the light of her life, Janelle. Before she took over managing Simas Jewelers in 1989, following the deaths of her parents, she worked for 15 years at Memorex Corporation as a Sales Administration Supervisor.

There's little doubt that when Janine first entered this world, the world changed for the better. For Janine's inherent genuineness, thoughtfulness and deep caring for others - whether she knew them well or simply in passing - set her apart from those of us who are "too busy" or "too stressed" to take the time to listen. Janine listened, truly listened, to everyone whose path she crossed - from the grocery checker at her local market, to each and every one of her customers at Simas' Jewelers, to all her friends and family every day of her life.

Janine took no day for granted. From her first breath until her very last, Janine celebrated every minute of her extraordinary - although she would call it "ordinary" - life. She treasured each moment, even those that were particularly difficult, as when she was diagnosed in 1993 with a debilitating illness - schleroderma - which would ultimately claim her life.

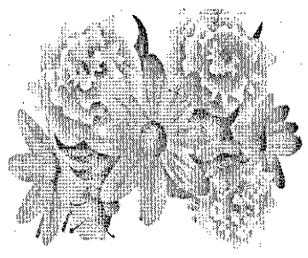
For those of us Janine has left behind, life is bleaker, and it will take many days for all of us to become accustomed to life without Janine. Of course, she does not want us to mourn. She wants us to celebrate each new day as she did, to thank God that her suffering on earth is over, and to tell us that she will be waiting to help us when it is our time to join her.

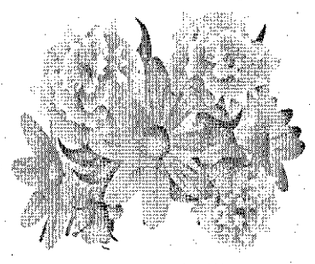
Until then, let us remember her gentle smile that could light up a room, her kindness and generosity of spirit, and her patient and loving nature that made each one of us feel special every time we saw her.

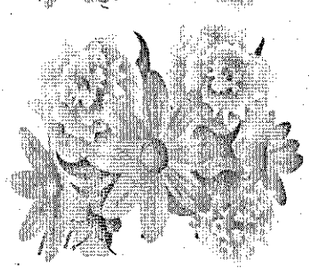
God rest your glorious soul, Janine Simas-Peichoto.

A celebration of Janine's life will be held at 11:00 AM on Saturday, July 15, at St. Lucy's Catholic Church, 2350 Winchester Blvd., Campbell, California.

In lieu of flowers, the family requests donations be made to Hospice of the Valley, 1150 So. Basom Ave., Suite 7A, San Jose, CA 95128-3509. Lima Family Santa Clara Mortuary assisting the family.





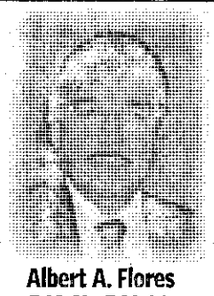


In Memoriam

Evette Michelle Cadena Bryand

Happy 35th Birthday, to the most beautiful Angel ever here on earth with us for 29 years. Here on earth and now you are in heaven with the rest of the Angels and especially our Lord Jesus Christ. We your family and friends who have not once forgotten about you. We will all be at your Bench celebrating your Birthday, like we do every year.

Kiss Kiss, Love all of us.



Albert A. Flores

7-12-21 - 7-13-06

My dearest husband, though you have been gone a year, you are missed constantly and thought of day and nite. Until we meet again sweetheart, love you always. Your wife, Frances

Dad, you're never forgotten and always in our hearts, we love you. Cindy and Leianna

Dad, A year has passed and it hasn't been the same, we love and miss you dearly, you are forever in our hearts. Don and Gina.

Daniel Smythe

7/13/81 - 4/10/05

Happy 25th Birthday

You've left us physically but you live on in our hearts and memories of you every single day.

Kevin and Ellen Iwatsubo

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

July 13, 2006 1942388

NOTICE TO CONTRACTORS

Notice is hereby given that for the purpose of pre-qualification. The Superintendent, Lorna Horton, of the Orchard School District will receive sealed Responsibility Questionnaires up until 4:00 p.m. on **Friday, July 21, 2006** at the Orchard School Main Office, 921 Fox Lane, San Jose, CA 95131.

Bid Description
Modernization and Additions – Increments 1 and 2 in the County of Santa Clara, State of California at the Orchard School, located at 921 Fox Lane, San Jose, CA 95131. Opening of sealed bids submitted by pre-qualified bidders is scheduled for Increment 1 in August of 2006.

Increment 1 Description: Site preparation: demolition, grading and minor utility relocation for future 16,000 s.f. Gymnasium.

Pre Qualification Packages Due Date and Time:
4:00 p.m. on or before Friday, July 21, 2006

Pre Qualification of Trade Contractors
The construction of these project Increments will be performed under a multi-prime contract arrangement directly supervised by a contracted District construction manager. The District's construction manager is Blach Construction Company. In order to bid, trade contractors must possess a current and active license to perform the work listed, have submitted the required Responsibility Questionnaire, and be pre-qualified. The following trades are being pre-qualified:

Increment 1:
Grading & Demolition — A license required

Bidding Requirements
Responsibility Questionnaires can be obtained by calling Ken Schroeder at (408) 244-7100 ext 246. Contracts will require a 100% performance bond, a 100% labor and materials bond, and bid bond in the amount of the 10% of the submitted bid. This project is subject to the State Labor Code and the District's Labor Compliance Program. For questions regarding the State Labor Code refer to Sections 1735, Discrimination of Employment and 1770, 1773, 1773.11 Prevailing Rates of Wages. Contractors who pre-qualify shall be required to submit certifications of compliance with the procedures for implementation of the Disabled Veterans Business Enterprise Contracting Goals. Contractors are allowed, according to PCC sec. 22300, to submit "securities of lieu of retention".

July 13, 20, 2006 1944022

Weather

ALLERGY REPORT
Pollen levels

Trees	Low
Weeds	Moderate
Grass	Low
Mold	Low

Source: www.aaaai.org

UV INDEX
10➤ 10+ High
5 Moderate
1 Low
The higher the number, the faster skin damage will occur.

SMOG OUTLOOK

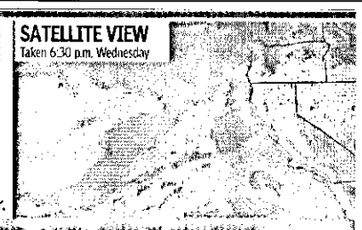
	Today	Yesterday
San Jose	Good (47)	Good (40)
Coast	Good (26)	Good (23)
East Bay	Good (45)	Good (35)
Santa Clara Vly	Good (47)	Good (40)
North counties	Good (33)	Good (29)

Air Quality Index
0-50 = Good 51-100 = Moderate 101+ = Unhealthy
More info: www.sparetheair.org or (800) 794-SMOG

NBC11 WEATHER FACT
JOHN FARLEY/ chief meteorologist

Q: I've been watching the smoke from the fire east of San Jose and noticed that it goes up only so high in the air and then stops. Why doesn't the hot smoke keep rising?
A: The air above is hotter than the smoke. In the summer we get a very hot layer of air a few thousand feet up. The cooler air below can't rise through the hotter air.

SATELLITE VIEW
Taken 6:30 p.m. Wednesday



5 DAY
SAN JOSE AREA FORECAST

TODAY	MOSTLY SUNNY	81° to 85° / 58° to 62°
FRIDAY	MOSTLY SUNNY	81° to 85° / 59° to 63°
SATURDAY	SUNNY AND WARM	85° to 89° / 59° to 63°
SUNDAY	SUNNY AND WARM	87° to 91° / 59° to 63°
MONDAY	SUNNY AND WARM	86° to 90° / 58° to 62°

SAN JOSE PRECIPITATION

24 hours ending 4 p.m.	0.00"
Month to date	0.00"
Normal month to date	0.00"
Season to date	0.00"
Normal season to date	0.00"

S.F. AIRPORT PRECIPITATION

24 hours ending 4 p.m.	0.00"
Month to date	0.00"
Normal month to date	0.03"
Season to date	0.00"
Normal season to date	0.03"

WATERBANKS
Santa Clara County reservoirs — in acre-feet

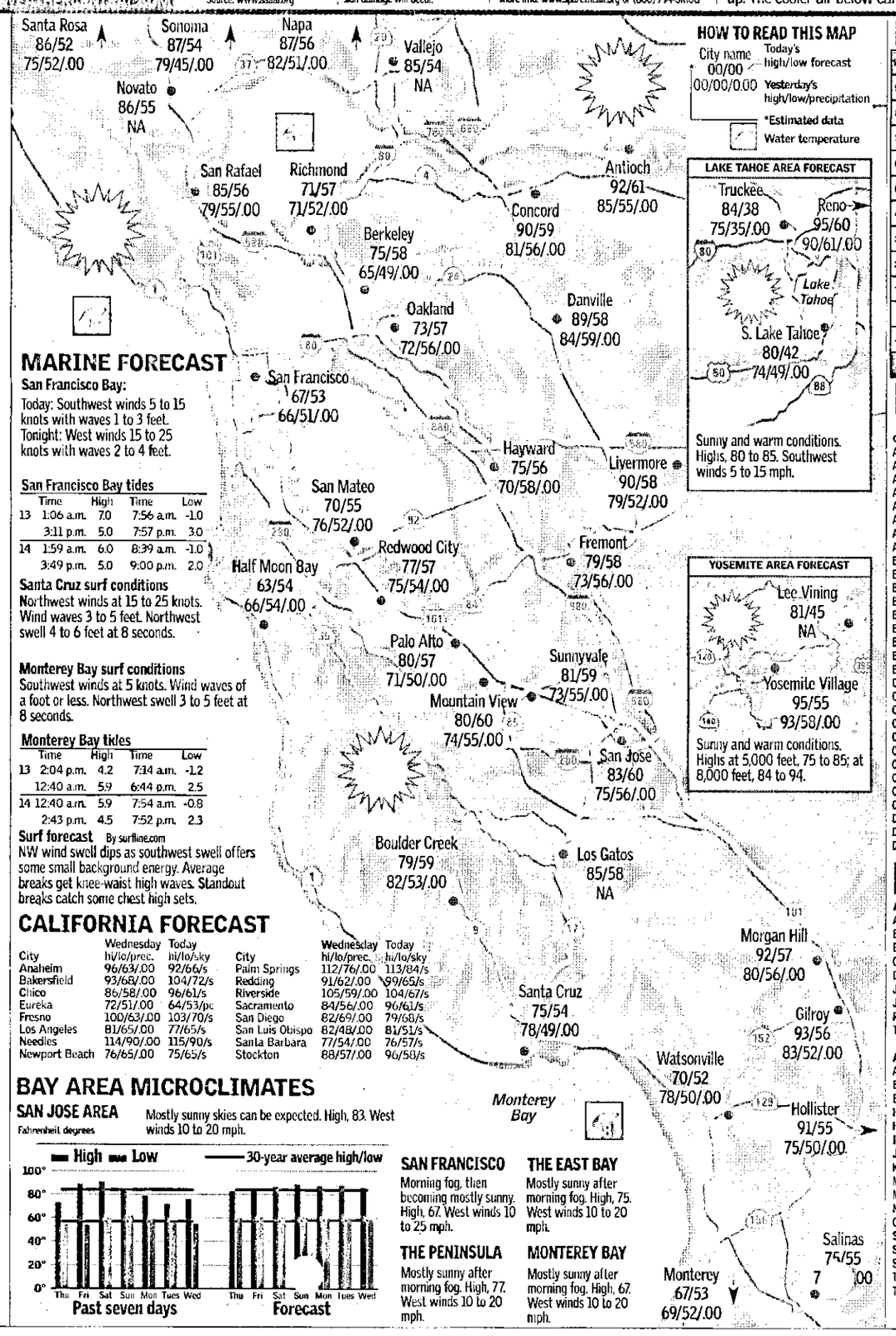
	Present	Capacity
Almaden	1,613	1,586
Anderson	81,091	90,373
Calero	7,330	9,934
Chesbro	7,332	7,945
Coyote	11,891	23,244
Guadalupe	2,759	3,415
Lexington	15,891	19,044
Stevens Creek	3,025	3,138
Uvas	8,847	9,835
Vasona	357	400
TOTAL	140,136	168,914
Other reservoirs		
Hetch Hetchy	360,400	360,400

TODAY'S MOON PHASES/SUN SETTINGS

Moonrise	10:44 p.m.	Moonset	8:48 a.m.
July 17	July 24	Aug. 2	Aug. 9

Sunrise 5:58 a.m. | Sunset 8:29 p.m. | 14:31 hours of sunlight

WEATHER RESOURCES
ONLINE: www.mercurynews.com
National Weather Service (www.nws.noaa.gov)
1642 and 162.55 MHz, V
Caltrans road conditions (800) 427-7623
For questions about the weather page, e-mail: weather@mercurynews.com



HOW TO READ THIS MAP
City name 00/00 — Today's high/low forecast
00/00/0.00 — Yesterday's high/low/precipitation
*Estimated data
Water temperature

LAKE TAHOE AREA FORECAST
Truckee 84/38 75/35/.00
Reno 95/60 90/61/.00
Lake Tahoe
S. Lake Tahoe 80/42 74/49/.00
Sunny and warm conditions. Highs, 80 to 85. Southwest winds 5 to 15 mph.

YOSEMITE AREA FORECAST
Lee Vining 81/45 NA
Yosemite Village 95/55 93/58/.00
Sunny and warm conditions. Highs at 5,000 feet, 75 to 85; at 8,000 feet, 84 to 94.

MARINE FORECAST

San Francisco Bay:
Today: Southwest winds 5 to 15 knots with waves 1 to 3 feet.
Tonight: West winds 15 to 25 knots with waves 2 to 4 feet.

San Francisco Bay tides

	Time	High	Time	Low
13	1:06 a.m.	7.0	7:56 a.m.	-1.0
	3:11 p.m.	5.0	7:57 p.m.	3.0
14	1:59 a.m.	6.0	8:39 a.m.	-1.0
	3:49 p.m.	5.0	9:00 p.m.	2.0

Santa Cruz surf conditions
Northwest winds at 15 to 25 knots. Wind waves 3 to 5 feet. Northwest swell 4 to 6 feet at 8 seconds.

Monterey Bay surf conditions
Southwest winds at 5 knots. Wind waves of a foot or less. Northwest swell 3 to 5 feet at 8 seconds.

Monterey Bay tides

	Time	High	Time	Low
13	2:04 p.m.	4.2	7:14 a.m.	-1.2
	12:40 a.m.	5.9	6:44 p.m.	2.5
14	12:40 a.m.	5.9	7:54 a.m.	-0.8
	2:43 p.m.	4.5	7:52 p.m.	2.3

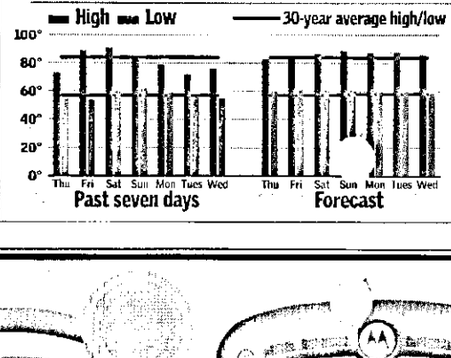
Surf forecast By surfline.com
NW wind swell dips as southwest swell offers some small background energy. Average breaks get knee-waist high waves. Standout breaks catch some chest high sets.

CALIFORNIA FORECAST

City	Wednesday hi/lo/prec.	Today hi/lo/sky	City	Wednesday hi/lo/prec.	Today hi/lo/sky
Anaheim	96/63/.00	92/66/s	Palm Springs	112/76/.00	113/84/s
Bakersfield	93/68/.00	104/72/s	Redding	91/62/.00	99/65/s
Chico	86/58/.00	96/61/s	Riverside	105/59/.00	104/67/s
Eureka	72/51/.00	64/53/pc	Sacramento	84/56/.00	96/61/s
Fresno	100/63/.00	103/70/s	San Diego	82/69/.00	79/68/s
Los Angeles	81/65/.00	77/65/s	San Luis Obispo	82/48/.00	81/51/s
Needles	114/90/.00	115/90/s	Santa Barbara	77/54/.00	76/57/s
Newport Beach	76/65/.00	75/65/s	Stockton	88/57/.00	96/58/s

BAY AREA MICROCLIMATES

SAN JOSE AREA
Fahrenheit degrees
Mostly sunny skies can be expected. High, 83. West winds 10 to 20 mph.



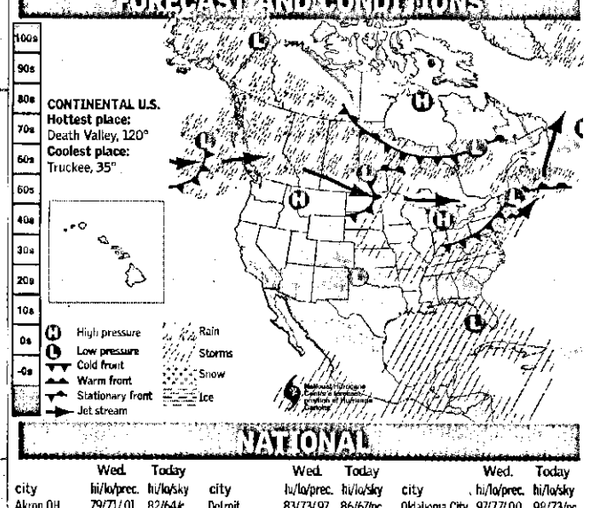
SAN FRANCISCO
Morning fog, then becoming mostly sunny. High, 67. West winds 10 to 25 mph.

THE EAST BAY
Mostly sunny after morning fog. High, 75. West winds 10 to 20 mph.

THE PENINSULA
Mostly sunny after morning fog. High, 77. West winds 10 to 20 mph.

MONTEREY BAY
Mostly sunny after morning fog. High, 67. West winds 10 to 20 mph.

FORECAST AND CONDITIONS



NATIONAL

city	Wed. hi/lo/prec.	Today hi/lo/sky	city	Wed. hi/lo/prec.	Today hi/lo/sky	city	Wed. hi/lo/prec.	Today hi/lo/sky
Akron OH	79/71/.01	82/64/c	Detroit	83/73/.97	86/67/pc	Oklahoma City	97/77/.00	98/73/pc
Albany NY	79/67/.44	78/65/sh	Duluth	81/57/.00	89/64/s	Omaha	87/64/.00	92/73/pc
Albuquerque	96/71/.00	97/68/s	El Paso	104/79/.00	103/76/pc	Orlando	89/74/.55	89/75/ts
Anchorage	68/52/.00	67/53/sh	Fairbanks	76/56/.00	70/54/sh	Philadelphia	90/76/.01	88/72/ts
Asheville	86/65/.00	85/65/ts	Fargo	92/70/.00	95/70/ts	Phoenix	110/91/.00	114/91/s
Atlanta	91/73/.00	90/72/ts	Flagstaff	85/54/.00	83/49/pc	Pittsburgh	79/69/1.24	82/67/sh
Atlantic City	90/73/.00	84/70/ts	Grand Rapids	85/68/.62	85/67/pc	Portland ME	80/63/.04	76/63/r
Austin	96/73/.00	96/73/pc	Great Falls	92/68/.00	86/53/pc	Portland OR	75/58/.17	75/58/pc
Baltimore	92/78/.19	87/72/ts	Greensboro	90/73/.00	90/71/ts	Providence	80/71/.29	82/67/ts
Billings	94/64/.00	93/59/s	Hartford	81/67/.15	84/68/ts	Raleigh	92/72/.00	95/72/pc
Birmingham	95/73/.00	93/74/pc	Honolulu	86/76/.00	87/75/s	Rapid City	103/64/.00	99/62/s
Bismarck	105/68/.00	99/66/pc	Houston	94/74/.00	92/77/pc	Reno	90/61/.00	95/60/s
Boise	101/69/.00	92/62/s	Indianapolis	80/73/.00	86/72/pc	Richmond	94/75/.00	93/73/ts
Boston	80/69/.88	79/69/ts	Jackson MS	94/73/.00	93/74/pc	Salt Lake City	98/69/.00	95/68/s
Brownsville	95/76/.00	94/77/pc	Jacksonville	90/71/.11	91/73/pc	San Antonio	99/76/.00	97/75/pc
Buffalo	80/69/1.79	79/66/pc	Juneau	68/54/.00	62/50/sh	San Juan	87/77/.00	89/77/ts
Burlington VT	76/64/.66	76/67/sh	Kansas City	91/71/.00	91/72/ts	Santa Fe	92/60/.00	94/59/pc
Casper WY	94/63/.00	94/58/s	Las Vegas	106/81/.00	107/86/s	Seattle	68/57/.03	71/55/c
Charleston SC	90/75/.12	91/75/pc	Little Rock	98/79/.00	95/75/ts	Shreveport	99/75/.00	96/75/pc
Charlotte	88/69/.00	92/69/ts	Louisville	83/73/.27	87/74/ts	Sioux Falls SD	86/61/.00	92/72/pc
Cheyenne	86/53/.00	90/59/s	Medford OR	83/62/.00	89/60/s	Spokane	87/58/.01	78/53/pc
Chicago	81/69/.00	86/71/pc	Memphis	96/79/.00	94/77/ts	St. Louis	87/76/.01	92/75/ts
Cincinnati	78/71/.29	85/69/ts	Miami	83/76/1.23	88/79/ts	Syracuse	77/67/4.25	81/66/pc
Cleveland	80/71/.62	83/68/pc	Milwaukee	74/65/.00	83/67/s	Tampa FL	90/73/.00	88/76/ts
Colorado Spgs	86/53/.00	91/60/s	Minneapolis	90/69/.00	92/74/s	Topeka	91/71/.01	93/72/ts
Columbia SC	94/72/.00	93/73/pc	Myrtle Beach	88/73/.00	90/76/pc	Tucson	104/81/.00	108/79/s
Concord NH	78/62/.68	77/61/r	Nashville	92/75/.00	91/73/ts	Wash DC	89/77/.69	89/73/ts
Dallas	102/78/.00	100/78/pc	New Orleans	91/73/.03	90/76/ts	Wichita	95/70/.00	96/73/ts
Denver	94/56/.00	97/65/s	New York City	90/81/1.13	85/71/ts	Yakima	90/57/.00	80/56/pc
Des Moines	82/71/.00	89/72/pc	Norfolk	94/74/.00	94/76/pc	Yuma AZ	111/86/.00	113/88/s

INTERNATIONAL

AFRICA/MIDEAST			**AUSTRALIA/NEW ZEALAND**			Lisbon	97/72/s	94/70/pc
Algiers	84/68/s	86/72/pc	Auckland	63/52/pc	65/51/sh	London	79/54/s	73/52/pc
Baghdad	113/84/s	112/85/s	Melbourne	52/37/dr	59/46/s	Madrid	93/77/s	97/65/pc
Beirut	86/73/s	85/65/s	Sydney	59/48/s	61/57/s	Moscow	88/63/s	87/66/pc
Cairo	93/77/s	97/75/s	**CANADA**			Oslo	68/48/r	63/51/s
Damascus	97/64/s	89/68/s	Calgary	75/55/pc	72/56/sh	Paris	84/57/s	76/55/s
Jerusalem	89/70/s	87/69/s	Edmonton	72/55/pc	74/56/sh	Prague	86/64/t	84/64/ts
Jo'burg	66/41/s	63/45/s	Montreal	77/68/t	77/64/sh	Rome	91/70/s	88/67/pc
Riyadh	106/86/s	109/87/s	Ottawa	75/64/t	76/65/sh	Stockholm	73/55/s	68/53/pc
Tel Aviv	93/70/s	87/68/s	Toronto	73/68/r	78/66/s	Vienna	90/64/s	85/64/pc
ASIA			Vancouver	61/57/r	70/59/pc	Warsaw	91/66/t	82/63/ts
Amritsar	93/73/ts	97/75/ts	Winnipeg	95/59/s	91/64/ts	**LATIN AMERICA**		
Bangkok	95/82/r	92/80/ts	**CARIBBEAN**			Asuncion	91/73/s	87/66/pc
Beijing	86/68/t	92/75/pc	Barbados	86/81/pc	87/79/ts	Bogota	64/48/pc	67/48/ts
Ho Chi Minh	92/77/r	90/78/ts	Nassau	90/79/r	88/77/pc	Buenos Aires	73/55/s	67/47/pc
Hong Kong	91/82/pc	89/77/ts				Caracas	90/77/s	89/77/ts
Islamabad	86/72/ts	95/74/ts	**EUROPE**			La Paz	54/21/ts	54/29/pc
Jakarta	91/75/s	84/77/pc	Amsterdam	75/55/s	77/56/pc	Lima	66/63/h	71/62/pc
Kuala Lumpur	88/77/ts	90/77/ts	Athens	86/73/s	86/67/pc	Panama City	88/48/ts	89/76/ts
Manila	82/77/c	89/78/ts	Berlin	82/66/s	83/62/ts	Rio	75/64/c	77/65/s
Mumbai	87/78/s	89/76/ts	Brussels	79/55/s	78/57/s	Santiago	55/52/r	58/41/pc
New Delhi	84/89/h	83/82/ts	Budapest	84/63/s	85/63/pc			
Osaka	86/81/c	87/67/ts	Copenhagen	72/55/s	69/51/pc	**MEXICO**		
Seoul	77/73/t	83/65/ts	Dublin	66/52/dr	67/51/s	Acapulco	91/75/t	88/77/ts
Shanghai	91/82/s	91/75/pc	Frankfurt	84/68/r	78/59/ts	La Paz	104/75/h	95/75/pc
Singapore	86/77/r	88/77/ts	Geneva	88/66/t	84/64/ts	Guadalajara	79/64/c	81/75/pc
Taipei	91/81/pc	90/75/ts	Helsinki	77/61/s	71/54/pc	Mexico City	93/79/t	92/74/ts
Tokyo	89/79/na	88/68/ts	Istanbul	86/68/s	87/67/pc		75/55/ts	75/63/pc

KEY: c=cloudy, dr=drizzle, f=fair, fg=fog, h=haze, i=ice, pc=partly cloudy, r=rain, s=sunny, sh=showers, sn=snow, Tr=trace, ts=thunderstorms, w=windy, na=not available

BERKELEY- (510)204-8808 2114 Shattuck Ave. - Between Addison & Center
BRENTWOOD- (925)240-8255 4441-B Balfour Rd. In Albertson's Shopping Center
CAPITOLA- (831)464-8255 3555 Clares St., Ste. V In Brown Ranch Marketplace, near Jamba Juice
CASTRO VALLEY- (510)582-2200 3949 E. Castro Valley Blvd. In 580 Marketplace Center
CONCORD/CLAYTON- (925)672-1070 5435 Clayton Rd., Ste. D Between Safeway and Walgreens
CUPERTINO- (408)777-8255 10525 S. DeAnza Blvd. Located at McClellan next to Subway
DANVILLE- (925)314-8155 493 San Ramon Valley Blvd. In Andronico's Shopping Center
DUBLIN- (925)833-7690 4620 Tassajara Rd. - Near Safeway
EL SOBRANTE- (510)262-5300 454 Appian Way, Ste. F Near Bradley's Video, Next to Starbucks
FAIRFIELD- (707)422-8255 1500 Oliver Rd., Ste. M - In Yardbirds Center
FREMONT- (510)505-4970 5030 Mowry Ave. - In Albertson's Shopping Center
HAYWARD- (510)784-9070 24901 W. Santa Clara, Ste. B-1 At Jackson St. in Albertson's Shopping Center
HOLLISTER- (831)636-8255 1760 Airline Hwy., Ste. J Next to Payless Shoes
LIVERMORE- (925)455-8255 4318 Las Positas - Near Target
LOS GATOS- (408)402-0747 630 Blossom Hill Rd. Corner of Los Gatos Blvd. Next to Pier 1
NAPA- (707)258-0992 1390 Trancas St., Ste. A-1 Behind Wendy's
NOVATO- (415)898-8255 104 Vintage Way, Ste. A-1 Next to Macy's Furniture Store
OAKLAND- (510)338-9900 2067 Mountain Blvd. Montclair Village off Hwy. 13
PALO ALTO- (650)324-2300 476 University Ave. Near Borders Bookstore
PETALUMA- (707)762-8290 701 Sonoma Mountain Parkway, Ste. B4 In G & G Marketplace Shopping Center
PITTSBURG- (925)753-1100 4489 Century Blvd. Century Plaza between Baskin Robbins & Togo's
PLEASANT HILL- (925)798-4480 1300 Contra Costa Blvd., #24 Corner of Contra Costa Blvd. & Ellinwood Dr.
PLEASANTON- (925)734-0400 4555 Hopyard Rd., #C7 Between Sweet Tomatoes & Blockbuster
REDWOOD CITY- (650)369-8255 1003 El Camino Real In Sequoia Station next to Max's
SALINAS- (831)443-8255 432 Northridge Mall Off Highway 101
SAN CARLOS- (650)508-8200 1101 San Carlos Ave. Corner of El Camino Real
SAN FRANCISCO- (415)431-5900 2300 16th St., #150 In Potrero Center next to Boston Market
SAN FRANCISCO- (415)682-2300 1557 Sloat Blvd. - Inside Lakeshore Plaza, across from Albertson's
SAN FRANCISCO- (415)474-8211 2300 Lombard St. - At Pierce St.
SAN FRANCISCO- (415)248-1040 15 Kearny St. - At Geary St.
SAN FRANCISCO- (415)682-2500 244 W. Portal Ave. - Near Bank of America, Between Ulloa and Vicente
SAN JOSE- (408)361-0160 846 Blossom Hill Rd., Suite D At Santa Teresa in Albertson's Plaza.
SAN JOSE- (408)448-5700 543 West Capitol Expressway Near Albertson's and Home Depot
SAN JOSE- (408)261-8255 2910 Stevens Creek Blvd., #108 Across from Valley Fair Mall
SAN JOSE- (408)532-3700 2770 Aborn Rd. Corner of Aborn & White Rd.
SAN RAMON- (925)551-5900 9110 Alcosta Blvd. Between Ralph's & Longs
SAND CITY- (831)393-3360 925 Playa Ave., Suite C In Albertsons Shopping Center
SANTA CLARA- (408)980-8255 4300 Great America Parkway, Ste. 188 At Mission College Blvd.
SANTA CRUZ- (831)457-8255 600 River Street Next to Payless Shoe Source
SUNNYVALE- (408)616-0006 919 W. El Camino Real Between Mary & Hollenbeck, across from Toyota dealership
VACAVILLE- (707)451-4480 2080-B Harbison Dr. In Vacaville Commons, near Safeway
VALLEJO- (707)642-8255 153 Plaza Drive #103 Gateway Plaza near Chevy's

†Cingular also imposes the following charges: a Regulatory Cost Recovery Fee of up to $1.25 to help defray its costs incurred in complying with obligations and charges imposed by State and Federal telecom regulation, a gross receipts surcharge, and State and Federal Universal Service charges. The Regulatory Cost Recovery Fee is not a tax or government required charge.

For Wireless Service Information: http://www.fcc.gov/cgb/wirelessphone.pdf **Limited time offer expires 7/22/06.** Other conditions and restrictions apply. See contract and rate plan brochure for details. Up to $36 Activation fee applies. Phone price and availability may vary by market. **Sales tax** calculated based on price of unactivated phone. **Early Termination Fee:** None if cancelled in first 30 days; thereafter, $175. Some agents impose additional fees. In addition to the $175 early termination fee, the Cingular authorized agent running this ad also imposes an equipment charge of $200 if service is cancelled more than 30 but less than 180 days after activation. **Cingular Nation:** Cingular reserves the right to terminate your service if less than 50% of your usage over three consecutive billing cycles is on Cingular-owned systems. Customer must (1) use phone programmed with Cingular Wireless' preferred roaming database; (2) have a mailing address and live in the area in which subscription is made. MEdia Service is required to receive games, ringtones, video or graphics and usage may be charged, depending on your plan. Content provided by third parties; Cingular is not responsible for adverse effects of downloaded content. See www.cingular.com/media/medianet for terms and conditions. **Rebate Card:** Allow 10-12 weeks for rebate card. Rebate card not available at all locations. Must be customer for 30 consecutive days. Must be postmarked by 8/22/06. The amount of music your Cingular iTunes phone can hold depends on the compression rate of your songs and the amount of media stored on your phone. The iTunes and iTunes logo are trademarks of Apple. By using the iTunes software you are agreeing to the software licenses in this package. TM & © 2006 Apple. FamilyTalk is a registered service mark of Delaware Valley Cellular Corp., an SBC Company. ©2006 Cingular Wireless All rights reserved.

PARROT CELLULAR

Call 1-800-700-TALK or visit www.parrotcellular.com for the location nearest you!

cingular

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 625

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: September 4, 2013

Name of Agency Which Conducted Safety Inspection: SJ/SC WPCP

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute, Inc.

Contractor Mailing Address: 1026 Folsom Street Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3674	3
Hydrogen	1333-74-0	16,000	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Dan Janowski

Owner/Operator Signature: _____ Date Executed: 10/28/2013

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1	EPA ID # (Hazardous Waste Only)	2
		CAR 000 085 081	

BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) 3

Philips Lumileds Lighting Company, LLC.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility...		If Yes, please complete these pages of the UPCF...
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☒ YES ☐ NO 5	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7	UST TANK (closure portion – one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: —any tank capacity is greater than 660 gallons, or —the total capacity for the facility is greater than 1,320 gallons?	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per H&SC §25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☒ YES ☐ NO 11	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☒ YES ☐ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS (You may also be required to provide additional information by your CUPA or local agency.) 15

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS OWNER/OPERATOR IDENTIFICATION

I. IDENTIFICATION

FACILITY ID # (Agency Use Only) 1	BEGINNING DATE 100	ENDING DATE 101
	01/01/2012	12/31/2012

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3	BUSINESS PHONE 102
Philips Lumileds Lighting Company LLC	(408) 964-5300

BUSINESS SITE ADDRESS 103
370 West Trimble Road

CITY 104		ZIP CODE 105
San Jose	CA	95131

DUN & BRADSTREET 106	SIC CODE (4 digit #) 107
12-499-8217	3674

COUNTY 108
Santa Clara

BUSINESS OPERATOR NAME 109	BUSINESS OPERATOR PHONE 110
Philips Lumileds Lighting Company LLC	(408) 964-5300

II. BUSINESS OWNER

OWNER NAME 111	OWNER PHONE 112
Philips Lumileds Lighting Company LLC	(408) 964-5300

OWNER MAILING ADDRESS 113
370 West Trimble Road

CITY 114	STATE 115	ZIP CODE 116
San Jose	CA	95131

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117	CONTACT PHONE 118
Mitch Cole	408-964-2562

CONTACT MAILING ADDRESS 119
370 West Trimble Road

CITY 120	STATE 121	ZIP CODE 122
San Jose	CA	95131

IV. EMERGENCY CONTACTS

-PRIMARY-	-SECONDARY-
NAME 123: Mitch Cole	NAME 128: Dan Janowski
TITLE 124: Environmental Engineer	TITLE 129: Facilities Manager
BUSINESS PHONE 125: 408-964-2562	BUSINESS PHONE 130: 408-964-2665
24-HOUR PHONE* 126: 408-964-5300	24-HOUR PHONE* 131: 408-964-5300
PAGER # 127: 408-592-3222	PAGER # 132: n/a

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133

Property Owner: Philips Lumileds Lighting Company LLC Phone No.: 408-964-5300

Billing Address: 370 West Trimble Road, San Jose, California 95131

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
	10/28/2013	Mitch Cole

NAME OF SIGNER (print) 136	TITLE OF SIGNER 137
Dan Janowski	Director, San Jose Facilities

* See Instructions on next page.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 525

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: July 19, 2010

Name of Agency Which Conducted Safety Inspection: Department of Homeland Security

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute

Contractor Mailing Address: 1026 Folsom Street, Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	110,000 (bulk tanks)	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Matthijs Glastra

Owner/Operator Signature: _____ Date Executed: 8/23/2010

Document No:	**Rev: AA**
Title: Emergency Public Notification	**Date Created: 7/30/08**
Originator: Mitch Cole	**Date Issued:**

1.0 Purpose:

1.1 To fulfill the public reporting requirements required by CalARP

2.0 Scope:

2.1 Philips Lumileds San Jose operations

3.0 Reference Documents:

3.1 California Code of Regulations Title 19 Chapter 4.5 Article 7 Emergency Response Program

4.0 Terms / Definitions:

4.1 CalARP: California Accidental Release Prevention

4.2 Release: A release of Ammonia from the ISO Bulk container that is greater than a line shear. This would be a tank rupture, explosion, burst disk failure or other catastrophic failure resulting in a large enough release to have offsite consequences.

4.3 CalARP Worst Case Scenario: assumes the entire contents of one full tanker is released and evaporated within 10 minutes. In this event, the dangerous end point is 1.9 miles from the source.

5.0 Responsibilities:

5.1 Incident Commander, IC: Identification of release size to initiate this procedure

5.2 Security: Complete the public notification indicated within this procedure

6.0 Supplies / Materials:

6.1 Ammonia MSDS (see Lumilink)

7.0 Equipment

7.1 NA

8.0 Safety / Environment:

8.1 NA

9.0 Requirements:

9.1 Complete the public notification as soon as possible after being instructed by the IC to do so.

9.2 Note: It is important not to over-report and cause undue fear within the community.

10.0 Procedure:

10.1 Starting at the top of the list, call each phone number and relay the following message:

10.1.1 This is an emergency notification that there has been a catastrophic failure with the Ammonia Storage vessels at the Philips Lumileds manufacturing site. The recommended action is to shelter in place – closing all windows and doors and eliminating other sources of outside air from entering your building. The location of the release is 370 West Trimble Road in San Jose. Either the Fire Department or us will call you back when it is safe to resume normal operations. Questions can be directed to the communications personnel at (408) 964-2565.

10.2 When the IC and/or the Lead Agency in charge at the time indicates, call each phone number and relay the following message:

10.2.1 This is a follow up of the emergency notification made earlier. The hazard has been eliminated and you may resume normal activities. Thank you for your cooperation.

11.0 Maintenance and Calibration:

11.1 EHS: Annual verification that the phone numbers in this procedure are accurate.

12.0 Process Control / Monitoring:

12.1 NA

13.0 Other:

13.1 **Contact List:**

13.2 Numbers to call AFTER 911 has been notified:

13.3 Schools:

13.3.1 Montague Elementary School: **(408) 988-3052**

13.3.2 Bachrodt Elementary School: **(408) 535-6211**

13.3.3 Bachrodt Preschool: **(408) 435-0511**

13.4 Hospitals (none within the 1.9 mile radius)

13.5 Airport: San Jose International **(408) 277-4706**

CONFIDENTIAL

This is not a controlled document. For a controlled copy of this document refer to Lumilink.

Revision History Page

LCO No.	Date Issued	Originator	Owning Dept.	Rev	Reason For Update

Environmental
and Occupational
Risk Management®

4 N Second Street, Suite #1270
San Jose, CA 95113
408.790.9200
(fax) 408.213.0944
www.eorm.com

September 15, 2008

Mr. Mitch Cole
Environmental Engineer
Philips Lumileds Lighting Company
370 W Trimble Road
San Jose, CA 95131

Re: Cal-ARP/PSM Compliance Audit of the site program – EORM® Project No. LUMI00xx

Dear Mr.Cole:

Enclosed please find one copy of the ISO Ammonia System Compliance Audit Report from the Cal-ARP/PSM audit conducted at the San Jose facility on July 15, 2008.

This report reflects our recommendations based on our observations and findings during the site visit.

EORM appreciates the opportunity to provide this support to Philips Lumileds and we look forward to working with you again in the near future.

Regards,

Varun Gopalakrishna
Principal Consultant

Reviewed by:

Ken Lynch
Principal Consultant

Cal-ARP/PSM Compliance Audit – Ammonia System

Philips Lumileds Lighting Company
370 W Trimble Road
San Jose, California 95131

Job No. LUMI0006

July-August 2008

Prepared by:

E O R M Environmental and Occupational Risk Management®

4 N Second Street, Suite #1270
San Jose, CA 95113

Table of Contents

Executive Summary 1

Section One 2

Introduction 2

Limitations 3

Section Two 4

Results Summary 4

Attachment 1: ISO Ammonia Audit Table 5

Executive Summary

Environmental and Occupational Risk Management, Inc. (EORM®) performed a Program Compliance Audit of the ISO Ammonia System California Accidental Release Prevention (Cal-ARP) /Process Safety Management (PSM) Program at the Philips Lumileds Lighting Company facility in San Jose, California on July 15, 2008. The audit was performed to meet the audit requirements outlined in:

- California Accidental Release Prevention (CalARP) Program, pursuant to Title 19 of the California Code of Regulations (19 CCR), Division 2, Chapter 4.5, Section 2735 et seq
- Process Safety Management of Highly Hazardous Chemicals pursuant to Title 8 of the Code of California Regulations Section 5189 (8 CCR 5189)

The ISO Ammonia system at the facility carries a charge of 100,000 pounds of Anhydrous Ammonia. The system is regulated as a Cal-ARP Program 3 process and a PSM site. The site manages a single combined program that is intended to meet the requirements of both Cal-ARP and PSM. The audit consisted of a site visit, facility inspection, selected document review and employee interviews to evaluate the operational effectiveness and implementation status of the combined PSM/Cal-ARP Program.

The performance of the site's PSM/Cal-ARP Program implementation was assessed against twelve program areas. For each of the program areas, the auditor assessed the level/quality of documentation, the extent of implementation of the plan element and the integration of the program into the day to day operation of the ammonia system at the site.

The site's program met requirements in 8 of 12 program areas. The actual operation of the system, including container delivery, change-out and system maintenance is carried out by Air Products and Chemicals, Inc., under contract with Philips Lumileds. The system appeared to be operating within its design parameters with all alarms and protective devices in place. While protocol deficiencies were identified in the areas of Mechanical Integrity (testing of the emergency exhaust) and Emergency Planning and Response (response to Ammonia specific incidents), the other deficiencies were primarily documentation related.

Specific observations, details of the deficiencies identified and recommended corrective actions are outlined in the audit table presented as Attachment 1.

Section One

Introduction

Environmental and Occupational Risk Management, Inc. (EORM®) performed a Program Compliance Audit of the ISO Ammonia System California Accidental Release Prevention (Cal-ARP) /Process Safety Management (PSM) Program at the Philips Lumileds Lighting Company facility in San Jose, California on July 15, 2008. The audit was performed to meet the audit requirements outlined in:

- California Accidental Release Prevention (CalARP) Program, pursuant to Title 19 of the California Code of Regulations (19 CCR), Division 2, Chapter 4.5, Section 2735 et seq
- Process safety management of highly hazardous chemicals pursuant to Title 8 of the Code of California Regulations Section 5189 (8 CCR 5189)

Mr. Varun Gopalakrishna, Principal Consultant led the audit at the facility. Mr. Mitch Cole, Philips Lumileds Environmental Engineer also participated in the site audit. The audit consisted of a site visit, facility inspection, selected document review and employee interviews to evaluate the operational effectiveness and implementation status of the combined PSM/Cal-ARP Program against the twelve program elements outlined in the regulations. The site's program covers the ISO Ammonia system, it's associated piping and controls up to the first isolation point within the facility.

This report is primarily an exception report, that is, areas of business risk, Environmental Health and Safety (EHS) compliance, or best practices were identified. This type of report is intended to enable site management to focus on PSM program/system weaknesses and improve the facility's program by establishing and implementing corrective actions. Specific observations, details of the deficiencies identified and recommended corrective actions are outlined in the audit table presented as Attachment 1.

Limitations

The depth of EORM's audit was affected by the amount of time scheduled on-site. Experienced EH&S professional(s) knowledgeable in accepted industry standards and practices, and current regulations conducted the PSM/Cal-ARP compliance audit. EORM did not investigate the veracity or thoroughness of representations made by Philips Lumileds personnel during the assessment and accepts no liability for issues that were not identified during the assessment and which are later found to pose consequence. Furthermore, observations noted in this report were based on interviews with site personnel and physical observations of conditions that existed in the facility only on the day of this assessment.

This report was prepared for the exclusive use of Philips Lumileds Lighting Company. No third party should rely on the contents or conclusions of this report without obtaining the prior written consent of EORM.

Section Two

Results Summary

The performance of the site's CalARP/PSM Program implementation was assessed against the following twelve (12) program areas:

- Employee Participation
- Process Safety Information
- Process Hazard Analysis
- Operating Procedures
- Training
- Contractor Safety
- Pre-Start-up Safety and Design Review
- Hot Work
- Mechanical Integrity
- Management of Change (MOC)
- Incident Investigation
- Emergency Planning and Response

For each of the program areas, the auditor assessed the level/quality of documentation, the extent of implementation of the plan element and the integration of the program into the day to day operation of the site/refrigeration system.

The site's program met all requirements in 8 of 12 program areas. The external surfaces of piping and valves and ductwork are maintained in good working condition. The plant has current standard operating procedures (the system has not undergone significant changes since 2005). Contractors that work on the ammonia system have extensive experience with these systems and knowledge of site equipment and processes.

Deficiencies were noted in the Mechanical Integrity (related to testing of the emergency exhaust switching system), and the Emergency Planning and Response (related to Ammonia specific incident response from contracted responders, external notification and drills) elements of the PSM program.

The findings with regard to Process Hazard Analysis and Contractor Safety were primarily documentation related.

Specific observations and findings along with recommendations are presented in the Iso Ammonia System Audit Table included as Attachment One.

Attachment 1: ISO Ammonia Audit Table

ISO Ammonia System Audit Table

Program Element	Status		Deficiencies/ Recommendations
	Meets Requirements	Deficient	
Employee Participation a) Written Plan b) Key employee participation in PHAs c) Communication of PHA results and PSM information to affected employees and contractors.	X		The original PHA included participation from all stakeholders. No changes have occurred to the system since then.
Process Safety Information a) Applicable Material Safety Data Sheets (MSDSs) available and accurate with current chemical data. b) System flow schematics and operating limit information c) System construction and engineering information	X		
Process Hazard Analysis a) PHA updated and accurate b) Offsite Consequence Analysis current c) PHA Actions complete d) Updates documented and retained		X	The PHA action item list has not been updated with details of resolution and dates of completion. A review of the actions documented and the current system indicated that a majority of the design/equipment related actions had been implemented on the system. **Recommendation:** Perform a complete review of all PHA actions and document their resolution.

Program Element	Status		Deficiencies/ Recommendations
	Meets Requirements	Deficient	
Operating Procedures a) Written procedures cover start-up, normal operation and potential temporary/emergency operations. b) Procedure content c) Availability of procedures. d) Safe work practices (e.g. Lockout/Tagout) are documented and implemented e) Annual review and certification of completeness and accuracy.	X		The system operating procedures appear to be current – the system has not undergone changes since install. However, no annual check of the procedures is documented. Additionally, the drawings/procedures for isolating various branches within the facility (not included as part of ISO system) are not up to date. **Recommendation:** • Develop a mechanism by which APCI provides confirmation, annually, that the site has the latest revision of their procedures • Develop operating procedures for ammonia delivery system components within the facility
Training a) Employees trained according to their responsibilities b) Training content appropriate c) Refresher training provided. d) Training documentation/ recordkeeping adequate	X		

Program Element	Status		Deficiencies/ Recommendations
	Meets Requirements	Deficient	
Contractor Safety a) Specialty contractors and pre-qualification b) Site specific training and communication of EAP information c) Access control to PSM process areas. d) Contract employee injury and illness log. e) Ongoing evaluation of contract company EHS performance.		X	Currently, APCI training levels and records are not readily accessible to Lumileds EHS personnel and at present Philips-Lumileds does not evaluate contract companies' EHS performance on a regular basis **Recommendations:** • For the shorter term, immediately request and obtain updated EHS documentation from APCI and all contractors that may impact the the Ammonia system or work in the area in close proximity to the ISO system • Define and implement a process by which Philips-Lumileds periodically reviews the EHS performance metrics of contract companies.
Pre-Start-up Safety and Design Review a) Is a pre-startup safety review process in place and implemented b) Qualifying changes identified for pre-startup safety review.	X		

Program Element	Status		Deficiencies/ Recommendations
	Meets Requirements	Deficient	
Mechanical Integrity a) Written procedures for maintenance, inspection and testing of the process equipment. b) Testing/Inspection documentation c) Corrective action d) Maintenance system, protocol and implementation		X	The functioning of the emergency exhaust switching mechanism and the integrity of the Purafil media have not been tested since install. **Recommendation:** Institute a protocol to perform functional testing of the switching mechanisms, fan speed controls, etc., on an annual basis and to perform a regular analysis of the quality of the Purafil media. The periodicity of the media analysis will need to be defined with input from the manufacturer.
Hot Work a) Program and permit system implementation b) Retention of documentation	X		**Recommendation:** Review site protocols and contractor practices and determine most effective approach to notification, area inspection and retention of documentation. **Follow-up:** This item was completed during the onsite discussion of the DRAFT report/findings – Hot Work site protocols, practices and documentation was presented to and reviewed by the EORM auditor. The overall management of the contracting and Hot Work process meets the requirements for PSM/Cal-ARP compliance.
Management of Change a) Written process implemented b) Documentation maintained c) Process Safety Information updated as necessary d) Operating Procedures and Practices updated as necessary	X		MOC process in place, but has not been used for the ISO system – no changes have occurred since install. Current program limited to ISO Ammonia.

Program Element	Status		Deficiencies/ Recommendations
	Meets Requirements	Deficient	
Incident Investigation a) Has there been an investigation of every incident that resulted in, or could reasonably have resulted in, a catastrophic release of PSM chemicals? b) Report and documentation reviewed and discussed with all affected employees and contractors c) Incident records retention	X		No ISO related incidents have occurred since install.
Emergency Planning and Response a) Written Emergency Action Plan for the entire facility established and implemented b) Plan is current and drills conducted periodically		X	The site Emergency Response Team does not have the capability to take direct actions on the ISO Ammonia system. The intent is to rely on APCI response to system upsets and releases. However, at the time of the audit it was unclear what the vendor capabilities were and what the response guarantees were. No training drills have been conducted. **Recommendation:** • Define and document APCI response expectations and guarantees through specific contractual arrangements • Plan and conduct training drills with vendor personnel, Philips Lumileds personnel and local response agencies. • Document response protocols to ISO Ammonia specific incidents

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 525

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: July 19, 2010

Name of Agency Which Conducted Safety Inspection: Department of Homeland Security

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute

Contractor Mailing Address: 1026 Folsom Street, Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	110,000 (bulk tanks)	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Matthijs Glastra

Owner/Operator Signature: _____ Date Executed: 8/23/2010

DO NOT USE SORT OPTION!!!

TEST & MAINT DATA - ANALOG SENSORS — CALIBRATION PERIOD

PLC PT	TYPE	TAGNAME	GROUP	DESCRIPTION	TRANS MTR S/N	LAST CAL	RESPONSE	COMMENT / TESTED BY
B08730	AA	ISOUPMA_NH3TA	B91_PGV	B08730 UPM-A	MIDAS	3/4/11	Am	
B08735	AA	ISOUPMB_NH3TA	B91_PGV	B08735 UPM-B	MIDAS	3/4/11	Am	
B08740	AA	ISOHPCM1_NH3TA	B91_PGV	B08740 ISO HPCM	MIDAS	3/4/11	Am	
B08745	AA	ISOSCRA_NH3TA	B91_PGV	B08745 ISO SCR-A	MIDAS	3/4/11	Am	
B08750	AA	ISOSCRB_NH3TA	B91_PGV	B08750 ISO SCR-B	MIDAS	3/4/11	Am	
V30068	AA	B11L6_CLTA	B91_WAFER	V30068 RIE + Trion Area Sensor	MIDAS	1/8/11	Am	
B08685	AA	B11K3A_HCLT	B91_R_D	B08685 VPE #6 Exh #1	MIDAS	2/28/11	Am	
B08690	AA	B11K3A_H2T	B91_R_D	B08690 VPE #6 Exh #1	MIDAS	1/24/11	Am	
B08695	AA	B11K3B_HCLT	B91_R_D	B08695 VPE #6 Exh #2	MIDAS	2/28/11	Am	
B08700	AA	B11K3B_H2T	B91_R_D	B08700 VPE #6 Exh #2	MIDAS	1/24/11	Am	
B08705	AA	B11K3C_HCLT	B91_R_D	B08705 VPE #6 Exh #3	MIDAS	2/28/11	Am	
B08710	AA	B11K3C_H2T	B91_R_D	B08710 VPE #6 Exh #3	MIDAS	1/26/11	Am	
B04655	AA	B11D9A_H2T	B91_EPI	B04655 P3 Reactor Exh #1	MIDAS	1/25/11	Am	
B04660	AA	B11D9B_H2T	B91_EPI	B04660 P3 Reactor Exh #2	MIDAS	1/25/11	Am	
B04665	AA	B11D9C_H2T	B91_EPI	B04665 P3 Area Sensor	MIDAS	1/25/11	Am	
B04670	AA	B11D8A_H2T	B91_EPI	B04670 P4 Reactor Exh #1	MIDAS	1/25/11	Am	
B04675	AA	B11D8B_H2T	B91_EPI	B04675 P4 Reactor Exh #2	MIDAS	1/25/11	Am	
B04721	AA	B11D10A_H2T	B91_EPI	B04721 P6 Reactor H2 Exhaust Sensor Alarm	MIDAS	1/25/11	Am	
B04722	AA	B11D10B_H2T	B91_EPI	B04722 P6 Reactor Area Sensor Alarm	MIDAS	1/25/11	Am	
B04723	AA	B11D10C_H2T	B91_EPI	B04723 P6 Reactor Regen Cabinet Exhaust H2 Alarm	MIDAS	1/25/11	Am	
B04724	AA	B1MB10_H2T	B91_EPI	B04724 Interstitial Abatement Area Sensor H2 Alarm	MIDAS	1/27/11	Am	
B04725	AA	B11C10_H2T	B91_EPI	B04725 VMB 11C10 H2 Exhaust Alarm	MIDAS	1/25/11	Am	
B04650	AA	B11G3_GEH4T	B91_R_D	B04650 OMR Reactor Exhaust Germane	MIDAS	1/25/11	Am	NEW CARTRIDGE
B04325	AA	B11J8A-HCLT	B91_EPI	B04325 VC Jungle Exhaust	MIDAS	1/20/11	Am	
B04335	AA	B11J8C-HCLT	B91_EPI	B04335 VC Rx Zone 2 Exhaust	MIDAS	1/20/11	Am	
B04315	AA	B11J7B-HCLT	B91_EPI	B04315 VF Rx Zone 1 Exhaust	MIDAS	1/20/11	Am	
B04310	AA	B11J7A-HCLT	B91_EPI	B04310 VF Jungle Exhaust	MIDAS	1/20/11	Am	
B04320	AA	B11J7C-HCLT	B91_EPI	B04320 VF Rx Zone 2 Exhaust	MIDAS	1/20/11	Am	

DO NOT USE SORT OPTION!!!

TEST & MAINT DATA - ANALOG SENSORS

CALIBRATION PERIOD =>

CLIENT	IDPL	TAGNAME	GROUP	DESCRIPTION	TRANS MITTER	3	4 RESPONSE	4 COMMENT / TESTED BY
V30079	AA	B11L6_SiCL4TA	B91_WAFER_EVENT_D1	V30079 11L6 GC #13 Exhaust SiCl4 Exhaust (HCL Sensor) ALARM	MIDAS	2/28/11	Am	
V30080	AA	B11L6_BCL3TA	B91_WAFER_EVENT_D1	V30080 11K6 GC #04 Exhaust BCl3 Exhaust (HCL Sensor) Alarm	MIDAS	2/28/11	Am	
V30083	AA	B11L7B_Cl2TA	B91_WAFER_EVENT_D1	V30083 11L7 Trion Etcher #2 Exh SiCL4/BCl3/CL2 (CL2 Sensor) Alarm	MIDAS	1/8/11	Am	
B08600	AA	B11N4C_H2TA	B91_R_D_ALARM_A	B08600 C4 EXHAUST 1 H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08605	AA	B11N4B_H2TA	B91_R_D_ALARM_A	B08605 C4 EXHAUST 2 H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08610	AA	B11N3C_H2TA	B91_R_D_ALARM_A	B08610 C5 EXHAUST 1 H2 SENSOR ALARM	MIDAS	1-20-11	qp	
B08615	AA	B11N3B_H2TA	B91_R_D_ALARM_A	B08615 C5 EXHAUST2 H2 SENSOR ALARM	MIDAS	1-20-11	qp	
B08620	AA	B11N4D_H2TA	B91_R_D_ALARM_A	B08620 C6 EXHAUST 1 H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08625	AA	B11N4E_H2TA	B91_R_D_ALARM_A	B08625 C6 EXHAUST2 H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08630	AA	B11N4A_H2TA	B91_R_D_ALARM_A	B08630 UNISEM SCR EXH. Rx., C4, C5, C6, H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08635	AA	B11N3A_H2TA	B91_R_D_ALARM_A	B08635 Rx C1 TO C9 AREA H2 SENSOR ALARM	MIDAS	1-25-11	qp	
B08640	AA	B11N3_NH3TA	B91_R_D_ALARM_A	B08640 Rx C1 TO C9 AREA NH3 SENSOR ALARM	MIDAS			
B08645	AA	B11L3A_H2TA	B91_R_D_ALARM_A	B08645 VPE #7 Exh 1 ALARM	MIDAS	1/26/11	Am	
B08650	AA	B11L3B_H2TA	B91_R_D_ALARM_A	B08650 VPE #7 Exh 2 ALARM	MIDAS	1/26/11	Am	
B08655	AA	B11L3C_H2TA	B91_R_D_ALARM_A	B08655 VPE #7 Exh 3 ALARM	MIDAS	1/26/11	Am	
B08660	AA	B11L3D_H2TA	B91_R_D_ALARM_A	B08660 VPE #7 Area Sensor	MIDAS	1/26/11	Am	
B08665	AA	B11L3A_HCLTA	B91_R_D_ALARM_A	B08665 VPE #7 Exh 1 HCL Sensor ALARM	MIDAS	2/28/11	Am	
B08670	AA	B11L3B_HCLTA	B91_R_D_ALARM_A	B08670 VPE #7 Exh 2 HCL Sensor ALARM	MIDAS	2/28/11	Am	
B08675	AA	B11L3C_HCLTA	B91_R_D_ALARM_A	B08675 VPE #7 Exh 3 HCL Sensor ALARM	MIDAS	2/28/11	Am	
B08680	AA	B11L3D_HCLTA	B91_R_D_ALARM_A	B08680 VPE #7 HCL Area Sensor	MIDAS	2/28/11	Am	
B04625	AA	B11G5B_H2TA	B91_R_D_ALARM_A	B04625 H2 Exhaust 2 H2 Sensor ALARM	MIDAS	1/26/11	Am	
V30081	AA	B11L7A_CL2TA	B91_WAFER_EVENT_D1	V30081 VMB 1+2 Trion Etcher #2	MIDAS	1/8/11	Am	
V30015	AA	PGV_GC1_2_HCLTA	B91_PGV	V30015 GC1+2 for VPE Etcher #6	MIDAS	1/25/11	Am	
V30085	AA	B11S8A_F2TA	B91_WAFER_EVENT_D2	V30085 GC05 Florine for Eximer Laser	MIDAS	1/8/11	Am	
V30086	AA	B11S8B_F2TA	B91_WAFER_EVENT_D2	V30086 Eximer Laser Exhaust	MIDAS	1/8/11	Am	
B08715	AA	GVG6VMB_NH3TA	B91_PGV	B08715 ISO Bulk VMB	MIDAS	3/10/11	Am	
B08720	AA	ISOPRVA_NH3TA	B91_PGV	B08720 ISOPRVA	MIDAS	3/10/11	Am	
B08725	AA	ISOPRVB_NH3TA	B91_PGV	B08725 ISOPRVB	MIDAS	3/10/11	Am	

8.3.2 Span Calibration '▮SPAn'

1. Use the '▲' up or '▼' down buttons to select the span calibration ' ▮SPAn' submenu and press '✓' to accept.
2. The span calibration icon starts flashing in order to tell the user to prepare to apply span gas.
3. The inhibit '🔔' icon is also displayed indicating that no alarm outputs will be generated during this process.
4. Use the '▲' up or '▼' down buttons to select the gas ID code of calibration gas (for multi gas ID sensor cartridges only) and press '.' to accept (Refer to section 8.2.2 for details of gas ID codes).
5. Use the '▲' up or '▼' down buttons to select if humidified 'HUm' or dry 'drY' calibration gas is being used
6. Use the '▲' up or '▼' down buttons to change the value to the concentration of span calibration gas being used.
7. Press '✓' to confirm when ready and the icon goes steady.
8. Apply the span gas.
9. The dots on the left of the display indicate progress to a successful span.
10. The display will show the span gas reading and if measured to be stable for an appropriate period of time will display 'PASS'.
11. If the span calibration is unsuccessful then the display will show an error code (see below).
12. Press '✓' to exit.
13. Press '▲' up or '▼' down to select another submenu.
14. Press 'X' to return to set-up, calibration and test menu selection.
15. Press 'X' again to return to normal operation

NOTE: The change in the gas bottle icon's contents gives an indication as to the relative stability of the gas reading. The arrows and bars inside the cylinder indicate whether it is rising or falling as appropriate (see table below).

Table 16. Calibration codes

Code	Code meaning
PASS	Successful Calibration
FL:0H	Zero Calibration Timeout - Over Range
FL:0L	Zero Calibration Timeout - Under Range
FL:0U	Zero Calibration Timeout - Unstable
FL:SH	Span Calibration Timeout - Over Range
FL·SL	Span Calibration Timeout - Under Range
FL:SU	Span Calibration Timeout - Unstable

Table 17. Calibration stability icons

▪	Stable
▲	Over-Range
▲ ▪	Unstable-Rising
▲ ▪ ▼	Unstable-Flat
▪ ▼	Unstable-Falling
▼	Under-Range

8.2.7 Set pass code '🔒PWd'

1. Select the set pass code '🔒PWd' submenu and press '✓' to accept.
2. Press '▲' up or '▼' down to set the first pass code value.
   (Note holding down the button will increase the increment speed)
3. Press '✓' to enter the first value and move to setting the second value.
4. Press '▲' up or '▼' down to set the second value.
5. Press '✓' to enter and repeat for the third and forth values in the passcode.
6. To confirm the pass code re enter it again using the same procedure.
7. The new pass code will be saved after the last entry if the two entered passcodes are the same

NOTE: Pass codes can be set between 0001 and 9999. Setting the pass code to 0000 will switch off the pass code. If a pass code is forgotten contact your local Zellweger Analytics service department. In the event that a pass code is forgotten by the user, Zellweger Analytics is not liable for any costs associated with the recovery process nor for any inconvenience incurred while the user is unable to access protected settings. Please ensure secure records are kept for all pass codes implemented on MIDAS® units.

8.3 Calibration Menu '⚠CAL'

The calibration menu allows the calibration settings of the detector to be changed. The calibration menu comprises of 4 submenus as shown in the table below.

Table 15. Calibration mode submenus.

Calibration submenu	Icon	Calibration setting
Zero		Set detector zero
Span		Set detector span
Flow		Calibrate detector sample flow rate
mA	mA	Calibrate detector analag output

To select the calibration menu from normal operation, press the '▲' up button for a few seconds. Enter the pass code (if set). Use the '▲' up or '▼' down buttons to select the calibration menu '⚠' icon and press the '✓' accept button.

8.3.1 Zero Calibration '0CAL'

1. Use the '▲' up or '▼' down buttons to select the zero calibration '0CAL' submenu and press '✓' to accept.
2. The zero calibration icon starts flashing in order to tell the user to prepare to apply zero gas.
3. The inhibit '🔔' icon is also displayed indicating that no alarm outputs will be generated during this process.
4. Press '✓' to confirm when ready and the icon goes steady.
5. Apply the zero gas (or ambient air)
6. The dots on the left of the display indicate progress to a successful zero.
7. The display will show the zero gas reading and if measured to be stable for an appropriate period of time will display 'PASS'.
8. If the zero calibration is unsuccessful then the display will show an error code (see table oppersite)
9. Press '✓' to exit.
10. Press '▲' up or '▼' down to select another submenu
11. Press 'X' to return to set-up, calibration and test menu selection
12. Press 'X' again to return to normal operation

RECEIVED BY
ENVIRONMENTAL HEALTH
HMCD
JUN 19 1 27 PM '03

PROOF OF PUBLICATION

San Jose Mercury News

750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190

IN THE
City of San Jose
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

Santa Clara County Environmental Resources Agency
Dept. of Environmental Health/HazMat Compliance; Roberta Hackel
1555 Berger Drive, Building 2, Suite 300
San Jose, CA 95112-2716
Legal Ad No. 228735

STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers,and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

June 17,2003

Dated at San Jose, California
this 17th day of June,2003
I declare under penalty of perjury that the foregoing is true and correct.

Signed Dana Glendinning.....
Principal clerk of the printer and publisher of the San Jose Mercury News.

Public Notice

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose, California for the chemicals Anhydrous Ammonia and Hydrogen Fluoride. After review by the County of Santa Clara, the RMP is found to be complete. In accordance with State Law, the RMP will be available for public review and comment beginning June 23, 2003 and will continue for a period of at least 45 days. The RMP may be reviewed during normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400
June 17, 2003 228735

2nd Public Notice

COUNTY OF SANTA CLARA
DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Resources Agency

Administrative Offices – 1555 Berger Drive, San Jose, CA 95112
408-918-3400 – voice 408-298-6261 – fax
www.EHinfo.org

FAX

To:	Gwen Robinson	**From:**	Ruben Williams
Fax:	408-920-5271	**Pages:**	1 cover + 2 pages
Phone:	408-920-~~6271~~ 5332	**Date:**	7/6/2006
Re:	Public Notice Advertisement for Risk Mgmt Plan	**CC:**	[Click **here** and type name]

X**Urgent** ☐ **For Review** ☐ **Please Comment** X**Please Reply** ☐ **Please Recycle**

- **Comments:**

Gwen

Please place the following public notice advertisement at the earliest convenience. Please acknowledge receiving this fax and let me know what day it will be posted in the San Jose Mercury Newspaper

If you have any questions please call me at 408-918-1985.

Thank You

Ruben Williams – Lead Haz Mat Specialist

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara,, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of
Environmental Health Hazardous
Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

Obituary Notices

PLEASE VIEW AND SIGN THE ONLINE GUEST BOOK AT **MERCURYNEWS.COM**

Mary Rose Schendel Bernstein

Our beloved Mary entered into rest on July 10, 2006 in San Jose, CA. She was born on September 27, 1985 in Los Gatos, CA. Her generous spirit, strength of character and loving devotion to all her dear ones will always be remembered.

She graduated from Oak Grove High School in San Jose and attended UC Santa Cruz.

Mary is survived by Alex and Lisa Bernstein, her beloved parents, her sister, Jennifer, her brother, Michael, her grandparents, Ross Schendel and Jack and Miriam Bernstein, her great grandmother, Pierina Cavallini, her uncles, her aunts and many cousins.

Mary was loved and will be greatly missed. Those touched by her will remember her forever and her memories will be fondly cherished. We love you dearly and will miss you very much. You will always be within our thoughts. May the Lord be with you, our sweet Mary.

There will be a memorial service to celebrate her life and the love and joy she gave so willingly to all those who knew her.

A Celebration of her Life will be held at 3:00 p.m. on Saturday, 7-15-06 at Evergreen Valley High School, 3300 Quimby Rd., San Jose, CA. In lieu of flowers, donations may be made to the Diabetes Foundation.

Arrangements by DARLING FISCHER Chapel of the Hills.

Jean E. Blyther

On July 10, 2006 she left us to be with her late husband, Fran, of 67 years. She was an adored sister of Marian Hokanson, of San Jose. She was a devoted and caring mother of 2 children: Pam, of San Jose, and Gary, of Ontario. A beloved grandma of Robin, Jeff and Brian. And great-grandma of Drew, Kira and Jacob. She was a great friend to many whether it was at the fruit packing plant for seasonal work or during the sewing club. She has made us all feel loved and never alone. She always opened her home to all friends and was always up for a game of cards. You loved life and lived it fully. You will always be remembered. Love You!

Graveside service Friday, July 14, 2006 at 2:00 [illegible], at Oak Hill Memorial Park, San [illegible].

Zeena M. Brothers

Passed away on Monday, July 10, 2006. She was born in Lawrence, Mass, on Sept[illegible]ber 5, 1926. Zeena is survived by [illegible] son Robert Brothers, his wife Esther, three grandchildren, Brian, David, Jessica and their spouses, her brother Joseph Traina, his wife Nancy and niece Mary.

A Memorial Mass will take place at St. Frances Cabrini Catholic Church on Friday, July 14, at 9:30 a.m. Interment at Los Gatos Memorial Park, 2255 Los Gatos Almaden Road, San Jose. Arrangements by Darling & Fischer Chapel of the Hills in Los Gatos.

James "Jim" Cancilla

Age 53, died peacefully on July 8, 2006, after a courageous battle with cancer. He is survived by the love of his life, Patty Martin, his children, Nick & Michelle Cancilla, stepchildren, Michael & Michele Martin, granddaughter Andie, mother May Cancilla, father Anthony Cancilla and wife Julie, brother Al Cancilla and wife Virginia, and numerous relatives and friends. He will be deeply missed by all.

A Rosary will be held at 7:00 p.m. on Thursday, July 13th at Lima Family Santa Clara, 466 N. Winchester Blvd. Funeral Service Friday, July 14th at 10:00 a.m. at Lima Family Santa Clara. Burial to follow service at Santa Clara Mission Cemetery.

Irma Helen Corradi

At rest in Mtn. View, CA on July 8th. Beloved wife of 63 years to Isadore Joseph Corradi of Mtn. View; loving mother of Catherine (Edwin) Nazario and Carolyn Corradi; devoted grandmother of Renee (Tareq) Samaha, Rodney (Betsy) Nazario and Robyn Nazario and great grandmother of Malia, Nadia, Sarah and Nathan. Also survived by 16 nieces, 14 nephews and preceded in death by her parents and sister, Ellen Tuomela.

A native of Virginia, MN, aged 86 years. Irma has lived in Mtn. View since 1961 and retired from Veterans Admin. Hospital, Palo Alto. She belonged to the Cane Club and the Peninsula Social Club.

Private inurnment has been held. A Celebration of Irma's life will be held at a later time. Contributions in Irma's name may be made to the American Cancer Society or the Lymphoma Leukemia Foundation. Arrangements by the Cusimano Family Colonial Mortuary, Mtn. View, CA.

Robert Charles Conway

Born December 30, 1985, passed away on July 10, 2006. He is survived by his parents, Jim & Kathleen Conway, sister, Christine Conway, grandmothers, Mary Conway, Lois Blaylock, and many aunts and uncles, cousins and loving friends.

Robert was an innocent victim in a tragic automobile accident. He was only twenty years old, a recent graduate of Evergreen Valley College and was following in his father's footsteps as an Art major at San Jose State University. He was a life-loving boy who changed our world. Christine will miss her brother and best friend so very much. He was the light of our lives and filled our home with joy, humor, and laughter. Robert held the keys to our hearts. We will love you forever, Robert.

In lieu of flowers please send donations to Robert Charles Conway Memorial Fund c/o Comerica Bank, 5601 Silver Creek Valley Road, San Jose, CA 95138. A Celebration of his Life will be held will be held at 3:00 p.m. on Saturday, 7-15-06 at Evergreen Valley High School, 3300 Quimby Rd., San Jose, CA. Arrangements by Darling-Fischer Chapel of the Hills.

Edward James Crandall

Passed away on Thursday, July 6, 2006, at his home in San Jose, after a long illness. He was born at the old O'Connor Hospital in San Jose, on Sept. 27, 1942. Memorial Services will be held Saturday, July 15, 2006 at the San Jose Elks Lodge, 444 W. Alma. Neptune Society is in charge of funeral arrangements.

Jim, as he was known to all, was born to Edward and Dolly (aka Matilda) Crandall. He graduated from Bellarmine College Prep. From there he attended and completed a course of study from the San Francisco College of Mortuary Science in 1963, and graduated as an Embalmer. He was employed at the Whitehurst Funeral Home in Los Banos. He married and moved to Chicago where he was employed at a Research Institute. After a divorce, he moved back to San Jose.

He is survived by his mother [illegible]lly Crandall of Morgan Hill, tw[illegible]dren, Edward B. (Julie) Crandall and Joan (Sheldon) Meyers, four grandchildren, Emily, Darlene, and Joseph Crandall, and Julian Meyers, sisters Karyn Smith, Denise Delgago and brother Dan Crandall, and [illegible]ncle Charles Crandall.

He was a life member of the San Jose Elks Lodge #522, serving as Tiler for five years, also a member of the Eagles.

In lieu of flowers, donations may be made to California-Hawaii Elks Major Project (for Crippled Children), 5450 E. Lamona Ave., Fresno, CA 93727-2224, or a charity of your choice.

Carlos Cruz Garcia

Age 73. Visitation Thurs. 5-9pm and vigil 7 p.m. Chapel of Roses at Oak Hill Funeral Home. Funeral service Fri. 10:30 a.m. Sacred Heart of Jesus Catholic Church, 325 Willow St., San Jose. Arrangements by Oak Hill Funeral Home, San Jose.

Danny Michael Kitchen

Age 47, went home to be with his Lord and Savoir Jesus Christ on Sunday, July 9, 2006. Danny was survived by his beloved mother and father DeDe and Dan Kitchen; his son Daniel Kitchen; loving sisters Gayle DeLuca and Lisa Stark; nephews Michael Martinez, Mathew DeLuca, Erick Stark; nieces Nichole, Danielle and Brittney Stark; His love and best friend, Michelle Evangel and her daughter Amanda Gil; His "kissing cousins" Garry "Cuz" Castro and Cathy Castro. Danny has a large family and many friends who will miss him immensely.

Danny grew up in Campbell and lived there for the last 47 years. As a young man he attended Westmont High School. After high school, Danny decided to join the Local Laborers Union #270. Danny was an asset to any company he worked; he moved up the ranks quickly. He worked for such companies as Glage Underground Construction, Norman B. Houge, Eric Star Interiors and later in his career became General Superintendant of Magnum Drywall. Danny loved to live life to its fullest. Danny was a true example of a "giving spirit" always willing to lend a helping hand. He was so affectionate and lovable; you could always count on a hug and kiss from him. His smile was so contagious that it lit an entire room. His sense of humor was one of his best attributes because he loved to make people laugh. His favorite pastimes were fishing, boating on his boat, "Wet Dream", dancing and hanging with his friends and family. Danny was a great son, a wonderful brother, and an incredible friend. Family and friends meant the world to Danny.

His funeral will be held on July 14, 2006 at 1:00 p.m. at South Valley Christian Church , 590 Shawnee Lane, San Jose, CA 95123. His burial will be held immediately following the church services at Los Gatos memorial Park, 2225 Los Gatos Almaden Road, San Jose, Ca. All flower arrangements should be sent to the church.

German Antonio Landaverde

A native of El Salvador, age 62, passed away at home in Chiapas, Mexico surrounded by loved ones.

German will be greatly missed by his children Kermit, Rosalynn, Marcus and the rest of his family and friends in the US, Mexico and Central America.

Family and friends are invited to attend a Memorial Mass on Saturday, July 15th at 10:00 a.m. at Five Wounds Church located at 1375 E. Santa Clara St., in San Jose. Donations in German's memory may be made to the American Cancer Society at 1-800-227-2345.

Russell Edward Mohr

A third generation San Franciscan, died on July 5, 2006 in Los Gatos, California, aged 80.

Russell was born November 11, 1925 in San Francisco. He was the youngest of three sons born to Lucile and J. Henry Mohr. He was a vivacious, happy, energetic man with a dynamic personality and a positive outlook on life.

He honorably served in the U S Navy in the South Pacific during World War II.

He had a successful 55-year career as a Real Estate Broker, specializing in residential properties in Los Gatos, Palo Alto and the surrounding cities. He was a member of Silicon Valley Association of Realtors and Los Gatos-Saratoga Board of Realtors. He was very well known and respected in the real estate community and had a great love for his profession. He enjoyed traveling and through the years he and his wife Bette, traveled to all corners of the world.

He was a long time member of Courtside Club of Los Gatos where he established several wonderful friendships. His locker mates will miss his endless array of inevitable jokes. He will be missed by all who knew him.

Russell Edward Mohr is survived by his loving wife, Bette Paris Mohr, his brother and sister-in-law, J. Henry Mohr Jr.and Beverly Mohr; and his children: His daughter and son-in-law, Linda and Robb Rodden; his son, Cliff Mohr, Deborah Paris Raiche and Paul Raiche; Diane Paris Berry and Adam Berry; Joe and Raegan Paris, and his grandchildren, David and Jenna Rodden, Beth Rodden and Tommy Caldwell, Justin and Sharon Mohr, Cameron Mohr, Matthew Raiche, Nathan and Amanda Raiche Monk, Heather Greenwood, Sean Greenwood, Morgan Paris and Ryan Paris.

A celebration of Russ's life will be announced at a future date. For details please send an email address to DianeParisBerry@aol.com In lieu of flowers, the family would greatly appreciate donations be made to Donations of Hospice Foundation of Cape Cod 27- Communication Way, Hyannis, MA 02601.

Lula Jean Nelson

Passed away peacefully on June 18, 2006 in Rocklin, CA. Lu was preceded in death by her husband Robert Nelson. Lu was born on February 22, 1924 in Greeley, CO to Al Vira and Otis Hanna. She is survived by her twin sister Lola Samson, of Sacramento. Lu had 4 daughters, Patty DeTar (Cliff) of Dixon, Roberta Tosta (Larry) of Elk Grove, Susan Girimonte (Joe) of Woodland and Carol Ventura (Rich) of Elk Grove. Lu was proud of her 9 grandsons, 2 granddaughters, and 6 great-grandchildren.

Lu was passionate about everything she did. She was an accomplished seamstress and loved to golf. She was a member of the Deep Cliff Ladies Golf Club in Cupertino. She was a volunteer to many charitable organizations. She attended college at William Jewell in MO. Lu was a wonderful entertainer and cook and loved having visitors to her home in Saratoga. She also loved to travel with her husband, Bob, as well as dance and play bridge.

A Memorial Service will be held at Los Gatos Presbyterian Church, 16575 Shannon Road, Los Gatos, on July 14, 2006 at 11 a.m. Donations may be made to your local hospice or the American Alzheimer's Assn.

Petra Ornelas

Entered into rest San Jose, CA on July 10, 2006. Beloved wife of Jesus Ornelas. Devoted mother of Efrain, Maria, Jesse, Gloria and Johnny Ornelas. Loving grandmother of Marisol, David, Ashley, Emily and Angelika.

A native of Teocaltiche, Jal Mexico. Age 75.

Friends are invited to attend a Vigil service on Sunday, July 16, 2006 at 7:00 P.M. at Lima Family Erickson Mortuary, 710 Willow Street, San Jose. Funeral service will be held Monday, July 17, 2006 at 9:15 A.M. at the above mortuary, then to the Cathedral of Basilica of St. Joseph Church where a Funeral Mass will be celebrated commencing at 9:30 A.M. Interment to follow at Santa Clara Mission Cemetery.

Nellie L. Ruiz

Born November 6, 1920 in Peoria, AZ. Passed away on July 10, 2006. She was preceded in death by Jesus Ruiz and survived by daughter Norma, son Ricardo, daughter-in-law Lynn, grandchildren Richard Alan and Rachael (Jonathan), brother Marcos Lopez (Martha), and numerous beloved family and friends.

Visitation on Friday, July 14 from 5 - 9 p.m. Rosary at 7 p.m. at Lima Family Santa Clara Mortuary, 466 N. Winchester Blvd., Santa Clara. Funeral Service will be held Saturday, July 15th at 10 a.m. at St. Lawrence Catholic Church, 1971 St. Lawrence Dr., Santa Clara.

Joan Mauer Schlenz

Died peacefully at Stanford University Hospital on June 28, 2006.

Joan was the daughter of Laura Wells Mauer and Sylvester Mauer of Grosse Pointe, Michigan. After completing her K-12 education at St. Paul on the Lake, she attended Marygrove College (for women), where she received her BA degree in Speech and Drama. She did graduate work in Speech and Drama at Catholic University of America in Washington D.C. and at Wayne State University in Detroit, Michigan. She taught primary school in Detroit and during her teaching tenure she also directed a number of high school plays.

Jane Weber Szanto

Sept. 18, 1926 - July 8, 2006

Entered peacefully into rest surrounded by her family. Beloved wife for 56 years of Elmer Szanto. Loving mother to Lynn (Matisse), Gregg (Susan), Lori (Patrick) and Amy (Ronald). Grandmother to Michael, Joshua, Zachary and Alexandra.

A long time member of Sara[illegible] Presbyterian Church, her Christian faith was an important part of her life. Jane was a top salesperson at Bullock's in Vallco, Janus and Cook's Junction in Los Altos. Jane was generous in assisting people in [illegible] and supporting many charitabl[illegible] ganizations. She was a skillful baker, avid reader and loved traveling, especially to Lake Tahoe. Jane was a caring and devoted wife, mother and grandmother who loved her family dearly. She will be deeply missed.

We owe a special thanks to Dr. Elizabeth Vilardo for her exemplary efforts in caring for Jane.

A memorial service will be held on Friday, July 14, 2006 at 2:00 p.m. at Saratoga Presbyterian Church at 20455 Herriman Avenue.

In lieu of flowers, the family asks that donations be sent to one of her favorite charities: the Salvation Army or the Smile Train.

Ronald E. Wetterstrom

Age 51, passed away July 9, 2006 due to complications from a cardiac arrest. Ron was born and raised in San Jose and was a gifted songwriter and musician. His gentle spirit and gracious heart will be greatly missed. Beloved son of the late Luvern and Alice Wetterstrom. Survived by his loving sisters and brothers, Penny Bombaci, Bill Wetterstrom, Deborah Del Cerro and Dale Wetterstrom.

Visitation will be Friday, July 14th at 1:30 p.m. and the Service at 2:30 p.m. at the Chapel of the Roses, Oak Hill Funeral Home, 300 Curtner Ave., San Jose.

Janine Simas-Peichoto

March 22, 1950-June 21, 2006

On the first day of summer, June 21, all in Heaven celebrated the arrival of Janine Simas-Piechoto, a great lady who graced this earth with her incredible presence for far too short a time. Her roles in life were many - dear daughter, dedicated wife, loving mother, loyal sibling, favorite aunt, consummate friend, trustworthy employee, successful business owner and outstanding member of the community.

Janine was the first daughter born to the late George and Louise Simas of Simas' Jewelers in Milpitas, a business which will celebrate its 50th anniversary later this year. Janine, along with her older brother, Robert, and younger sisters Terri and Suzette, grew up here in Santa Clara Valley. She graduated in 1968 from James Lick High School, and in 1970 from Heald Business College.

She married her husband, John, in February 1973 and gave birth in January 1979 to her daughter and the light of her life, Janelle. Before she took over managing Simas Jewelers in 1989, following the deaths of her parents, she worked for 15 years at Memorex Corporation as a Sales Administration Supervisor.

There's little doubt that when Janine first entered this world, the world changed for the better. For Janine's inherent genuineness, thoughtfulness and deep caring for others - whether she knew them well or simply in passing - set her apart from those of us who are "too busy" or "too stressed" to take the time to listen. Janine listened, truly listened, to everyone whose path she crossed - from the grocery checker at her local market, to each and every one of her customers at Simas' Jewelers, to all her friends and family every day of her life.

Janine took no day for granted. From her first breath until her very last, Janine celebrated every minute of her extraordinary - although she would call it "ordinary" - life. She treasured each moment, even those that were particularly difficult, as when she was diagnosed in 1993 with a debilitating illness - schleroderma - which would ultimately claim her life.

For those of us Janine has left behind, life is bleaker, and it will take many days for all of us to become accustomed to life without Janine. Of course, she does not want us to mourn. She wants us to celebrate each new day as she did, to thank God that her suffering on earth is over, and to tell us that she will be waiting to help us when it is our time to join her.

Until then, let us remember her gentle smile that could light up a room, her kindness and generosity of spirit, and her patient and loving nature that made each one of us feel special every time we saw her.

God rest your glorious soul, Janine Simas-Peichoto.

A celebration of Janine's life will be held at 11:00 AM on Saturday, July 15, at St. Lucy's Catholic Church, 2350 Winchester Blvd., Campbell, California.

In lieu of flowers, the family requests donations be made to Hospice of the Valley, 1150 So. Basom Ave., Suite 7A, San Jose, CA 95128-3509. Lima Family Santa Clara Mortuary assisting the family.

In Memoriam

Evette Michelle Cadena Bryand

Happy 35th Birthday, to the most beautiful Angel ever here on earth with us for 29 years. Here on earth and now you are in heaven with the rest of the Angels and especially our Lord Jesus Christ. We your family and friends who have not once forgotten about you. We will all be at your Bench celebrating your Birthday, like we do every year.

Kiss Kiss, Love all of us.

Albert A. Flores

7-12-21 - 7-13-06

My dearest husband, though you have been gone a year, you are missed constantly and thought of day and nite. Until we meet again sweetheart, love you always. Your wife, Frances

Dad, you're never forgotten and always in our hearts, we love you. Cindy and Leianna

Dad, A year has passed and it hasn't been the same, we love and miss you dearly, you are forever in our hearts. Don and Gina.

Daniel Smythe

7/13/81 - 4/10/05

Happy 25th Birthday

You've left us physically but you live on in our hearts and memories of you every single day.

Kevin and Ellen Iwatsubo

Life Stories Live On

Find current & past obituaries online at MercuryNews.com

Sign a guest book
View photos
Read stories and special remembrances

Visit MercuryNews.com and click on obituaries

Database powered by Legacy.com

The Mercury News
The Newspaper of Silicon Valley
MercuryNews.com

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of
Environmental Health Hazardous
Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

July 13, 2006 1942388

NOTICE TO CONTRACTORS

Notice is hereby given that for the purpose of pre-qualification. The Superintendent, Lorna Horton, of the Orchard School District will receive sealed Responsibility Questionnaires up until 4:00 p.m. on Friday, July 21, 2006 at the Orchard School Main Office, 921 Fox Lane, San Jose, CA 95131.

Bid Description
Modernization and Additions – Increments 1 and 2 in the County of Santa Clara, State of California at the Orchard School, located at 921 Fox Lane, San Jose, CA 95131. Opening of sealed bids submitted by pre-qualified bidders is scheduled for Increment 1 in August of 2006.

Increment 1 Description: Site preparation: demolition, grading and minor utility relocation for future 16,000 s.f. Gymnasium.

Pre Qualification Packages Due Date and Time:
4:00 p.m. on or before Friday, July 21, 2006

Pre Qualification of Trade Contractors
The construction of these project Increments will be performed under a multi-prime contract arrangement directly supervised by a contracted District construction manager. The District's construction manager is Blach Construction Company. In order to bid, trade contractors must possess a current and active license to perform the work listed, have submitted the required Responsibility Questionnaire, and be pre-qualified. The following trades are being pre-qualified:

Increment 1:
Grading & Demolition — A license required

Bidding Requirements
Responsibility Questionnaires can be obtained by calling Ken Schroeder at (408) 244-7100 ext 246. Contracts will require a 100% performance bond, a 100% labor and materials bond, and bid bond in the amount of the 10% of the submitted bid. This project is subject to the State Labor Code and the District's Labor Compliance Program. For questions regarding the State Labor Code refer to Sections 1735, Discrimination of Employment and 1770, 1773, 1773.11 Prevailing Rates of Wages. Contractors who pre-qualify shall be required to submit certifications of compliance with the procedures for implementation of the Disabled Veterans Business Enterprise Contracting Goals. Contractors are allowed, according to PCC sec. 22300, to submit "securities of lieu of retention".

July 13, 20, 2006 1944022

Weather

WWW.MERCURYNEWS.COM/
FORECAST AND REPORTS BY WEATHER.COM

ALLERGY REPORT

Pollen levels

Trees	Low
Weeds	Moderate
Grass	Low
Mold	Low

Source: www.aaaai.org

UV INDEX

10➤ 10+ High; 5 Moderate; 1 Low

The higher the number, the faster skin damage will occur.

SMOG OUTLOOK

	Today	Yesterday
San Jose	Good (47)	Good (40)
Coast	Good (26)	Good (23)
East Bay	Good (45)	Good (35)
Santa Clara Vly	Good (47)	Good (40)
North counties	Good (33)	Good (29)

Air Quality Index
0-50 = Good 51-100 = Moderate 101+ = Unhealthy
More info: www.sparetheair.org or (800) 794-SMOG

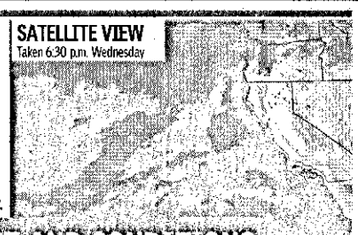
NBC11 WEATHER FACT

JOHN FARLEY/ chief meteorologist

Q: I've been watching the smoke from the fire east of San Jose and noticed that it goes up only so high in the air and then stops. Why doesn't the hot smoke keep rising?
A: The air above is hotter than the smoke. In the summer we get a very hot layer of air a few thousand feet up. The cooler air below can't rise through the hotter air.

SATELLITE VIEW

Taken 6:30 p.m. Wednesday



5 DAY

SAN JOSE AREA FORECAST

TODAY	MOSTLY SUNNY	81° to 85° / 58° to 62°
FRIDAY	MOSTLY SUNNY	81° to 85° / 59° to 63°
SATURDAY	SUNNY AND WARM	85° to 89° / 59° to 63°
SUNDAY	SUNNY AND WARM	87° to 91° / 59° to 63°
MONDAY	SUNNY AND WARM	86° to 90° / 58° to 62°

SAN JOSE PRECIPITATION

24 hours ending 4 p.m.	0.00"
Month to date	0.00"
Normal month to date	0.00"
Season to date	0.00"
Normal season to date	0.00"

S.F. AIRPORT PRECIPITATION

24 hours ending 4 p.m.	0.00"
Month to date	0.00"
Normal month to date	0.03"
Season to date	0.00"
Normal season to date	0.03"

WATERBANKS

Santa Clara County reservoirs	in acre-feet Present	Capacity
Almaden	1,613	1,586
Anderson	81,091	90,373
Calero	7,330	9,934
Chesbro	7,332	7,945
Coyote	11,891	23,244
Guadalupe	2,759	3,415
Lexington	15,891	19,044
Stevens Creek	3,025	3,138
Uvas	8,847	9,835
Vasona	357	400
TOTAL	140,136	168,914
Other reservoirs		
Hetch Hetchy	360,400	360,400

TODAY'S MOON PHASES/SUN SETTINGS

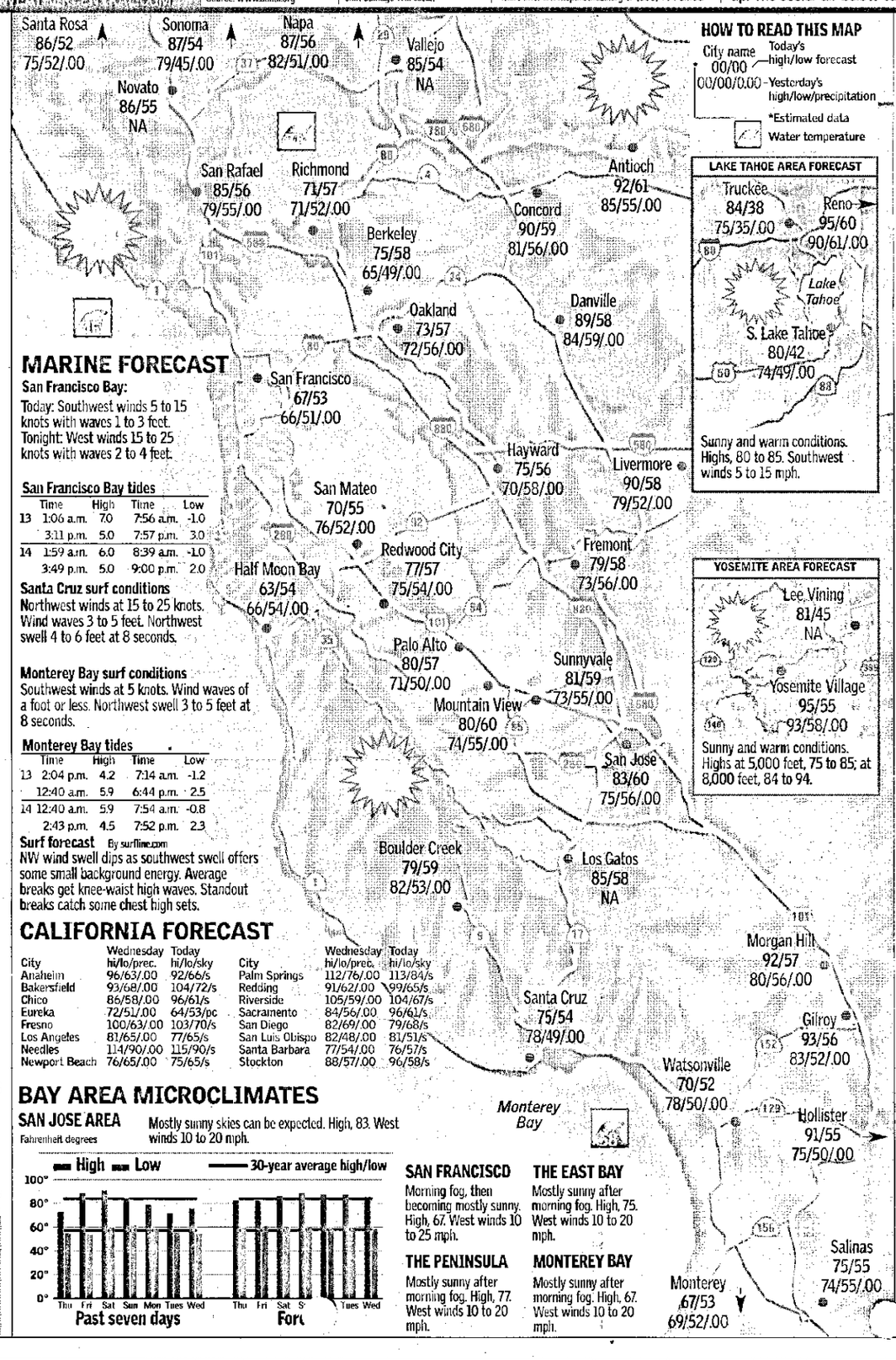
Moonrise 10:44 p.m. Moonset 8:48 a.m.

July 17	July 24	Aug. 2	Aug. 9

Sunrise 5:58 a.m. | Sunset 8:29 p.m. | 14:31 hours of sunlight

WEATHER RESOURCES

ONLINE: www.mercurynews.com
National Weather Service (www.nws.noaa.gov)
1642 and 162.55 MHz, VHF-FM
Caltrans road conditions (800) 427-7623
For questions about the w... page, e-mail weather@mercurynews.com.



HOW TO READ THIS MAP

City name 00/00 Today's high/low forecast
00/00/0.00 Yesterday's high/low/precipitation
*Estimated data
Water temperature

LAKE TAHOE AREA FORECAST

Sunny and warm conditions. Highs, 80 to 85. Southwest winds 5 to 15 mph.

YOSEMITE AREA FORECAST

Sunny and warm conditions. Highs at 5,000 feet, 75 to 85; at 8,000 feet, 84 to 94.

MARINE FORECAST

San Francisco Bay:
Today: Southwest winds 5 to 15 knots with waves 1 to 3 feet. Tonight: West winds 15 to 25 knots with waves 2 to 4 feet.

San Francisco Bay tides

	Time	High	Time	Low
13	1:06 a.m.	7.0	7:56 a.m.	-1.0
	3:11 p.m.	5.0	7:57 p.m.	3.0
14	1:59 a.m.	6.0	8:39 a.m.	-1.0
	3:49 p.m.	5.0	9:00 p.m.	2.0

Santa Cruz surf conditions
Northwest winds at 15 to 25 knots. Wind waves 3 to 5 feet. Northwest swell 4 to 6 feet at 8 seconds.

Monterey Bay surf conditions
Southwest winds at 5 knots. Wind waves of a foot or less. Northwest swell 3 to 5 feet at 8 seconds.

Monterey Bay tides

	Time	High	Time	Low
13	2:04 p.m.	4.2	7:14 a.m.	-1.2
	12:40 a.m.	5.9	6:44 p.m.	2.5
14	12:40 a.m.	5.9	7:54 a.m.	-0.8
	2:43 p.m.	4.5	7:52 p.m.	2.3

Surf forecast By surfline.com
NW wind swell dips as southwest swell offers some small background energy. Average breaks get knee-waist high waves. Standout breaks catch some chest high sets.

CALIFORNIA FORECAST

City	Wednesday hi/lo/prec.	Today hi/lo/sky	City	Wednesday hi/lo/prec.	Today hi/lo/sky
Anaheim	96/63/.00	92/66/s	Palm Springs	112/76/.00	113/84/s
Bakersfield	93/68/.00	104/72/s	Redding	91/62/.00	99/65/s
Chico	86/58/.00	96/61/s	Riverside	105/59/.00	104/67/s
Eureka	72/51/.00	64/53/pc	Sacramento	84/56/.00	96/61/s
Fresno	100/63/.00	103/70/s	San Diego	82/69/.00	79/68/s
Los Angeles	81/65/.00	77/65/s	San Luis Obispo	82/48/.00	81/51/s
Needles	114/90/.00	115/90/s	Santa Barbara	77/54/.00	76/57/s
Newport Beach	76/65/.00	75/65/s	Stockton	88/57/.00	96/58/s

BAY AREA MICROCLIMATES

SAN JOSE AREA
Fahrenheit degrees
Mostly sunny skies can be expected. High, 83. West winds 10 to 20 mph.

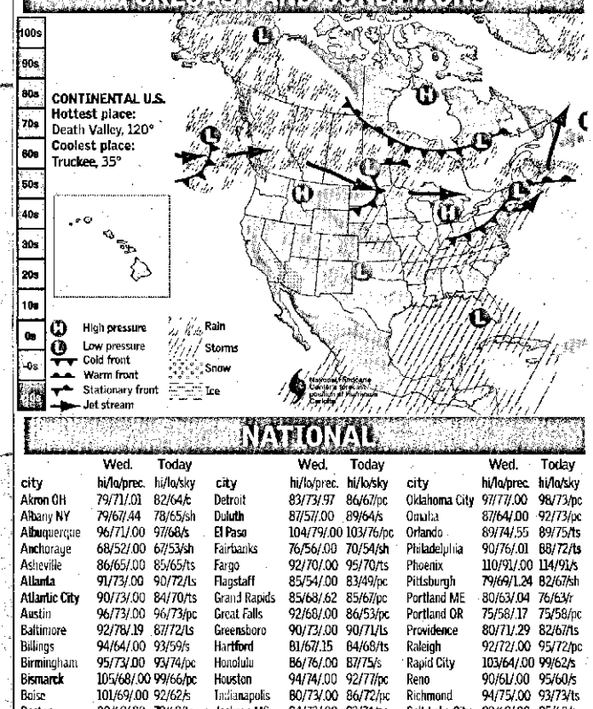
SAN FRANCISCO
Morning fog, then becoming mostly sunny. High, 67. West winds 10 to 25 mph.

THE EAST BAY
Mostly sunny after morning fog. High, 75. West winds 10 to 20 mph.

THE PENINSULA
Mostly sunny after morning fog. High, 77. West winds 10 to 20 mph.

MONTEREY BAY
Mostly sunny after morning fog. High, 67. West winds 10 to 20 mph.

FORECAST AND CONDITIONS



NATIONAL

city	Wed. hi/lo/prec.	Today hi/lo/sky	city	Wed. hi/lo/prec.	Today hi/lo/sky	city	Wed. hi/lo/prec.	Today hi/lo/sky
Akron OH	79/71/.01	82/64/c	Detroit	83/73/.97	86/67/pc	Oklahoma City	97/77/.00	98/73/pc
Albany NY	79/67/.44	78/65/sh	Duluth	87/57/.00	89/64/s	Omaha	87/64/.00	92/73/pc
Albuquerque	96/71/.00	97/68/s	El Paso	104/79/.00	103/76/pc	Orlando	89/74/.55	89/75/ts
Anchorage	68/52/.00	67/53/sh	Fairbanks	76/56/.00	70/54/sh	Philadelphia	90/76/.01	88/72/ts
Asheville	86/65/.00	85/65/ts	Fargo	92/70/.00	95/70/ts	Phoenix	110/91/.00	114/91/s
Atlanta	91/73/.00	90/72/ts	Flagstaff	85/54/.00	83/49/pc	Pittsburgh	79/69/1.24	82/67/sh
Atlantic City	90/73/.00	84/70/ts	Grand Rapids	85/68/.62	85/67/pc	Portland ME	80/63/.04	76/63/r
Austin	96/73/.00	96/73/pc	Great Falls	92/68/.00	86/53/pc	Portland OR	75/58/.17	75/58/pc
Baltimore	92/78/.19	87/72/ts	Greensboro	90/73/.00	90/71/ts	Providence	80/71/.29	82/67/ts
Billings	94/64/.00	93/59/s	Hartford	81/67/.15	84/68/ts	Raleigh	92/72/.00	95/72/pc
Birmingham	95/73/.00	93/74/pc	Honolulu	86/76/.00	87/75/s	Rapid City	103/64/.00	99/62/s
Bismarck	105/68/.00	99/66/pc	Houston	94/74/.00	92/77/pc	Reno	90/61/.00	95/60/s
Boise	101/69/.00	92/62/s	Indianapolis	80/73/.00	86/72/pc	Richmond	94/75/.00	93/73/ts
Boston	80/69/.88	79/69/ts	Jackson MS	94/73/.00	93/74/pc	Salt Lake City	98/69/.00	95/68/s
Brownsville	95/76/.00	94/77/pc	Jacksonville	90/71/.11	91/73/pc	San Antonio	99/76/.00	97/75/pc
Buffalo	80/69/1.79	79/66/pc	Juneau	68/54/.00	62/50/sh	San Juan	87/77/.00	89/77/ts
Burlington VT	76/64/.66	76/67/sh	Kansas City	91/71/.00	91/72/ts	Santa Fe	92/60/.00	94/59/pc
Casper WY	94/63/.00	94/58/s	Las Vegas	106/81/.00	107/86/s	Seattle	68/57/.03	71/55/c
Charleston SC	90/75/.12	91/75/pc	Little Rock	98/79/.00	95/75/ts	Shreveport	99/75/.00	96/75/pc
Charlotte	88/69/.00	92/69/ts	Louisville	83/73/.27	87/74/ts	Sioux Falls SD	86/61/.00	92/72/pc
Cheyenne	86/53/.00	90/59/s	Medford OR	83/62/.00	89/60/s	Spokane	87/58/.01	78/53/pc
Chicago	81/69/.00	86/71/pc	Memphis	96/79/.00	94/77/ts	St. Louis	87/76/.01	92/75/ts
Cincinnati	78/71/.29	85/69/ts	Miami	88/76/1.23	88/79/ts	Syracuse	77/67/4.25	81/66/pc
Cleveland	80/71/.62	83/68/pc	Milwaukee	74/65/.00	83/67/s	Tampa FL	90/73/.00	88/76/ts
Colorado Spgs	86/53/.00	91/60/s	Minneapolis	90/69/.00	92/74/s	Topeka	91/71/.01	93/72/ts
Columbia SC	94/72/.00	93/73/pc	Myrtle Beach	88/73/.00	90/76/pc	Tucson	104/81/.00	108/79/s
Concord NH	78/62/.68	77/61/r	Nashville	92/75/.00	91/73/ts	Wash DC	89/77/.69	89/73/ts
Dallas	102/78/.00	100/78/pc	New Orleans	91/73/.03	90/76/ts	Wichita	95/70/.00	96/73/ts
Denver	94/56/.00	97/65/s	New York City	90/81/L13	85/71/ts	Yakima	90/57/.00	80/56/pc
Des Moines	82/71/.00	89/72/pc	Norfolk	94/74/.00	94/76/pc	Yuma AZ	111/86/.00	113/88/r

INTERNATIONAL

AFRICA/MIDEAST			**AUSTRALIA/NEW ZEALAND**			Lisbon	97/72/s	94/70/pc
Algiers	84/68/s	86/72/pc	Auckland	63/52/pc	65/51/sh	London	79/54/s	73/52/pc
Baghdad	113/84/s	112/85/s	Melbourne	52/37/dr	59/46/s	Madrid	93/77/s	97/65/pc
Beirut	86/73/s	85/65/s	Sydney	59/48/s	61/57/s	Moscow	88/63/s	87/66/pc
Cairo	93/77/s	97/75/s	**CANADA**			Oslo	68/48/r	63/51/s
Damascus	97/64/s	89/68/s	Calgary	75/55/pc	72/56/sh	Paris	84/57/s	76/55/s
Jerusalem	89/70/s	87/69/s	Edmonton	72/55/pc	74/56/sh	Prague	86/64/t	84/64/ts
Joburg	66/41/s	63/45/s	Montreal	77/68/c	77/64/sh	Rome	91/70/s	88/67/pc
Riyadh	106/86/s	109/87/s	Ottawa	75/64/c	76/65/sh	Stockholm	73/55/s	68/53/pc
Tel Aviv	93/70/s	87/68/s	Toronto	73/60/r	78/66/s	Vienna	90/64/s	85/64/pc
ASIA			Vancouver	61/57/r	70/59/pc	Warsaw	91/66/t	82/63/ts
Amritsar	93/73/ts	97/75/ts	Winnipeg	95/59/s	91/64/ts	**LATIN AMERICA**		
Bangkok	95/82/r	92/80/ts	**CARIBBEAN**			Asuncion	91/73/s	87/66/pc
Beijing	86/68/t	92/75/pc	Barbados	86/81/pc	87/79/ts	Bogota	64/48/pc	67/48/ts
Ho Chi Minh	92/77/r	90/78/ts	Nassau	90/79/r	88/77/pc	Buenos Aires	73/55/s	67/47/pc
Hong Kong	91/82/pc	89/77/ts				Caracas	90/77/s	89/77/ts
Islamabad	86/72/ts	95/74/ts	**EUROPE**			La Paz	54/21/s	54/29/pc
Jakarta	91/75/s	89/77/pc	Amsterdam	75/55/s	77/56/pc	Lima	66/63/h	71/62/pc
Kuala Lumpur	88/77/ts	90/77/ts	Athens	86/73/s	86/67/pc	Panama City	88/48/ts	89/76/ts
Manila	82/77/c	89/78/ts	Berlin	82/66/s	83/62/ts	Rio	75/64/c	77/65/s
Mumbai	87/78/s	89/76/ts	Brussels	79/55/s	78/57/s	Santiago	55/52/r	58/41/pc
New Delhi	84/89/h	83/82/ts	Budapest	84/63/s	85/63/pc			
Osaka	86/81/c	87/67/ts	Copenhagen	72/55/s	69/51/pc	**MEXICO**		
Seoul	77/73/t	83/65/ts	Dublin	66/52/dr	67/51/s	Acapulco	91/75/t	88/77/ts
Shanghai	91/82/s	91/75/pc	Frankfurt	84/68/r	78/59/ts	La Paz	104/75/h	95/75/pc
Singapore	86/77/r	88/77/ts	Geneva	88/66/t	84/64/ts	Guadalajara	79/64/c	81/75/pc
Taipei	91/81/pc	90/75/ts	Helsinki	77/61/s	71/54/pc	Mazatlan	93/79/t	92/74/ts
Tokyo	89/79/na	88/68/ts	Istanbul	86/68/s	87/62/pc	Mexico City	75/55/ts	75/63/pc

KEY: c=cloudy, dr=drizzle, f=fair, fg=fog, h=haze, i=ice, pc=partly cloudy, r=rain, sh=showers, sn=snow, Tr=trace, ts=thunderstorms, w=windy, na=not available

BERKELEY- (510)204-8808 2114 Shattuck Ave. - Between Addison & Center
BRENTWOOD- (925)240-8255 4441-B Balfour Rd. In Albertson's Shopping Center
CAPITOLA- (831)464-8255 3555 Clares St., Ste. V In Brown Ranch Marketplace, near Jamba Juice
CASTRO VALLEY- (510)582-2200 3949 E. Castro Valley Blvd. In 580 Marketplace Center
CONCORD/CLAYTON- (925)672-1070 5435 Clayton Rd., Ste. D Between Safeway and Walgreens
CUPERTINO- (408)777-8255 10625 S. DeAnza Blvd. Located at McClellan next to Subway
DANVILLE- (925)314-8155 493 San Ramon Valley Blvd. In Andronico's Shopping Center
DUBLIN- (925)833-7690 4620 Tassajara Rd. - Near Safeway
EL SOBRANTE- (510)262-5300 454 Appian Way, Ste. F Near Bradley's Video, Next to Starbucks
FAIRFIELD- (707)422-8255 1500 Oliver Rd., Ste. M - In Yardbirds Center
FREMONT- (510)505-4970 5030 Mowry Ave. - In Albertson's Shopping Center
HAYWARD- (510)784-9070 24901 W. Santa Clara, Ste. B-1 At Jackson St. In Albertson's Shopping Center
HOLLISTER- (831)636-8255 1760 Airline Hwy., Ste. J Next to Payless Shoes NEW LOCATION!
LIVERMORE- (925)455-8255 4318 Las Positas - Near Target
LOS GATOS- (408)402-0747 630 Blossom Hill Rd. Corner of Los Gatos Blvd. Next to Pier 1
NAPA- (707)258-0992 1390 Trancas St., Ste. A-1 Behind Wendy's
NOVATO- (415)898-8255 104 Vintage Way, Ste. A-1 Next to Macy's Furniture Store
OAKLAND- (510)338-9900 2067 Mountain Blvd. Montclair Village off Hwy. 13
PALO ALTO- (650)324-2300 476 University Ave. Near Borders Bookstore
PETALUMA- (707)762-8290 701 Sonoma Mountain Parkway, Ste. B4 In G & G Marketplace Shopping Center
PITTSBURG- (925)753-1100 4489 Century Blvd. Century Plaza between Baskin Robbins & Togo's
PLEASANT HILL- (925)798-4480 1300 Contra Costa Blvd., #24 Corner of Contra Costa Blvd. & Ellinwood Dr.
PLEASANTON- (925)734-0400 4555 Hopyard Rd., #C-7 Between Sweet Tomatoes & Blockbuster
REDWOOD CITY- (650)369-8255 1003 El Camino Real In Sequoia Station next to Max's
SALINAS- (831)443-8255 432 Northridge Mall Off Highway 101
SAN CARLOS- (650)508-8200 1101 San Carlos Ave. Corner of El Camino Real
SAN FRANCISCO- (415)431-5900 2300 16th St., #150 In Potrero Center next to Boston Market
SAN FRANCISCO- (415)682-2300 1557 Sloat Blvd. - Inside Lakeshore Plaza, across from Albertson's
SAN FRANCISCO- (415)474-8211 2300 Lombard St. - At Pierce St.
SAN FRANCISCO- (415)248-1040 15 Kearny St. - At Geary St.
SAN FRANCISCO- (415)682-2500 244 W. Portal Ave. - Near Bank of America, Between Ulloa and Vicente
SAN JOSE- (408)361-0160 846 Blossom Hill Rd., Suite D At Santa Teresa in Albertson's Plaza.
SAN JOSE- (408)448-5700 543 West Capitol Expressway Near Albertson's and Home Depot
SAN JOSE- (408)261-8255 2910 Stevens Creek Blvd., #108 Across from Valley Fair Mall
SAN JOSE- (408)532-3700 2770 Aborn Rd. Corner of Aborn & White Rd.
SAN RAMON- (925)551-5900 9110 Alcosta Blvd. Between Rafpli's & Longs
SAND CITY- (831)393-3360 925 Playa Ave., Suite C In Albertsons Shopping Center
NEW LOCATION! **SANTA CLARA**- (408)980-8255 4300 Great America Parkway, Ste. 188 At Mission College Blvd.
SANTA CRUZ- (831)457-8255 600 River Street Next to Payless Shoe Source
SUNNYVALE- (408)616-0006 919 W. El Camino Real Between Mary & Hollenbeck, across from Toyota dealership
VACAVILLE- (707)451-4480 2080-B Harbison Dr. In Vacaville Commons, near Safeway
VALLEJO- (707)642-8255 153 Plaza Drive #103 Gateway Plaza near Chevy's

†Cingular also imposes the following charges: a Regulatory Cost Recovery Fee of up to $1.25 to help defray its costs incurred in complying with obligations and charges imposed by State and Federal telecom regulation, a gross receipts surcharge, and State and Federal Universal Service charges. The Regulatory Cost Recovery Fee is not a tax or government required charge.

For Wireless Service Information: http://www.fcc.gov/cgb/wirelessphone.pdf **Limited time offer expires 7/22/06.** Other conditions and restrictions apply. See contract and rate plan brochure for details. Up to $36 Activation fee applies. Phone price and availability may vary by market. **Sales tax** calculated based on price of unactivated phone. **Early Termination Fee:** None if cancelled in first 30 days; thereafter, $175. Some agents impose additional fees. In addition to the $175 early termination fee, the Cingular authorized agent running this ad also imposes an equipment charge of $200 if service is cancelled more than 30 but less than 180 days after activation. **Cingular Nation:** Cingular reserves the right to terminate your service if less than 50% of your usage over three consecutive billing cycles is on Cingular-owned systems. Customer must (1) use phone programmed with Cingular Wireless' preferred roaming database; (2) have a mailing address and live in the area in which subscription is made. MEdia Service is required to receive games, ringtones, video or graphics and usage may be charged, depending on your plan. Content provided by third parties; Cingular is not responsible for adverse effects of downloaded content. See www.cingular.com/media/medianet for terms and conditions. **Rebate Card:** Allow 10-12 weeks for rebate card. Rebate card not available at all locations. Must be customer for 30 consecutive days. Must be postmarked by 8/22/06. The amount of music your Cingular iTunes phone can hold depends on the compression rate of your songs and the amount of media stored on your phone. The iTunes and iTunes logo are trademarks of Apple. By using the iTunes software you are agreeing to the software licenses in this package. TM & © 2006 Apple. FamilyTalk is a registered service mark of Delaware Valley Cellular Corp., an SBC Company. ©2006 Cingular Wireless All rights reserved.

PARROT CELLULAR
Call 1-800-700-TALK or visit www.parrotcellular.com for the location nearest you!
cingular Authorized Retailer

PHILIPS

Philips Lumileds Lighting Company

370 W Trimble Road, San Jose, California 95131 USA
July 7, 2006

RECEIVED
JUL 07 2006
SANTA CLARA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH

Mr. Ruben Williams
Hazardous Materials Program
1555 Berger Drive, Suite 300
San Jose, CA 95112

Subject: Cal ARP Chemicals

Dear Mr. Williams:

In your walk through we both noted the volume of listed chemicals being above threshold levels.

Initially, I was planning on submitting a new registration form to include these chemicals. After taking a look at the inventory levels, we discovered that we were maintaining between 20 and 40 days worth of inventory. Considering that the chemical suppliers are within an hour's delivery time, this inventory level is unnecessary.

We are reducing our inventory levels of some of the materials and segregating storage for others.

Ammonia: The quantity of 55# cylinders are maintained in storage quantities below threshold. (9 cylinders max) This isn't much of a challenge because there are just a couple R&D reactors that are still using these bottles. To immediately meet the requirement, seven of the 16 cylinders you saw have moved into the gas storage bay within the service yard. This is identified as Bay 4. As the inventory is bled down, this storage location will be vacated.

Ammonium Hydroxide: The 500 pound threshold equates to 221 gallons of ammonium hydroxide (8.337 x SG:0.9 x 30% solution) Each pallet holds 144 gallons. The second pallet has been relocated to Bay 5 (which was recently emptied) It is a chemical storage bay that has been holding non-hazardous stockroom items.

The arsine quantity is separated into 90 pound units of co-location. Three of the 30 pound cylinders are in the toxic/flammable bay and three are located in the toxic/pyrophoric storage bay. The bays are separated by fire rated partitions. We need to maintain an inventory of 6 cylinders due to the single cylinder per single reactor setup. Several cylinders can empty simultaneously.

Hydrofluoric acid, we are adding fire rated chemical storage cabinets to maintain a co-location quantity of <100 pounds. This equates to 20 gallons per cabinet. We'll have 6 cabinets installed by 8/1/06 (they're on order now) These cabinets are coated steel to

Tel. +1 408 964 2562
Fax: +1 408 964 5358
Mobile: +1 408 592 3222
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

meet fire rating and corrosion resistance. As a single pallet is delivered, it will be segregated into the 6 cabinets with the last 20 gallons remaining outside the cabinets for a total of 7 independent storage locations. When this RMP is revisited in 2008, we will include the release scenarios for HF like we have in the past.

Nitric Acid: We're separating the two pallets into two different storage areas. The threshold of 1000 pounds equates to 204 bottles (7# bottles w/70% nitric) Each pallet contains 108 bottles. One pallet remains in the acid storage bay and one pallet is in the oxidizer bay.

Phosphine: The maximum storage quantity is 16 cylinders based on the 30 pound cylinder. The storage quantity has been reduced to meet that level.

Hydrogen: The two storage tanks have a combined water volume of 4500 gallons. At 100 psig, the total gas volume at STP is 420,000 cubic feet which is equivalent to 2187.5 pounds. This is well below the 10,000 pound threshold.

Administrative controls:
In order to maintain all of these levels, the Materials/Procurement department modified their min-max quantities listed in their ordering procedures. Additionally, signage noting these maximum storage quantities is being designed and ordered as well as including this parameter within the weekly storage area inspection.

The HMIS has been updated and is attached.

The Registration form has been updated and is attached.

If you have any questions please give me a call.

Sincerely,

Mitch Cole
Environmental Engineer

enclosure

Philips Lumileds Lighting Company

Chemicals Subject to CalARP Not on Registration Form

Gases

Gas Cylinder Outside Storage Area	Gas Cabinets	Threshold Quantity **Table 3**	On Hand 6/13/06
Arsine Gas (100%) 30# Cylinders	No	State: 100 lbs	180 lbs
Phosphine Gas (100%) 30# Cylinders	No	State:500 lbs	560 lbs
Anhydrous Ammonia Gas (100%) 55# Cylinders **(Not included in Submittal)**	No	State: 500 lbs	660 lbs

Liquids

Liquid Storage Area		Threshold Quantity **Table 3**	On Hand 6/13/06
Hydrofluoric Acid (49%) 1 Gallon Bottles	N/A	State 100 lbs	1,294 Lbs
Nitric Acid (70%) 7# bottles	N/A	State 1000 lbs	1,587 lbs
Ammonium Hydroxide (41%) 1 Gallon Bottles	N/A	State: 500 lbs	984 lbs

Liquid Hydrogen

Hydrogen Bulk Tanks 2ea 3600 gallons (Side by Side-not manifolded)		Threshold Quantity **Table 2**	On Hand 6/13/06
Still awaiting Calculations from Air Products	N/A	10,000 lbs	?

OTIS INSTITUTE

1026 Folsom St. Unit 10 • San Francisco, CA 94103 • (415) 992-7458 • Fax: (415) 276-5896 • www.otisinstitute.com

HAZOP – Risk Rankings Process

HAZOP Methodology – General Overview

The guideword Hazard and Operability (HAZOP) technique is a means of systematically reviewing a process to identify potential hazards and operability problems resulting from credible deviations from design intent, and develop preliminary recommendations to reduce or eliminate the likelihood or severity of the hazards. HAZOP is recognized as an acceptable process hazard analysis method by OSHA Process Safety Management (29 CFR §1910.119[e]), EPA Risk Management (40 CFR Part 68) regulations, Cal-OSHA Process Safety Management of Acutely Hazardous Materials (Title 8, California Code of Regulations, Section 5189), and California Accidental Release Prevention (CalARP) (Title 19, California Code of Regulations, Chapter 4.5) regulations and is preferable for all but simple processes as it is a highly structured technique.

A team of individuals with knowledge of engineering, safety, control logic, operations, and maintenance conduct the HAZOP. The HAZOP study is facilitated and recorded by an individual with expertise in the HAZOP technique.

The HAZOP study proceeds sequentially, studying each piece of equipment contained in the process. The facilities are partitioned into "nodes," which are composed of one or more pieces of equipment where there is a distinct intention for process parameters (for example, a specific intended temperature, pressure, or flow rate). The flowchart in Figure 1 illustrates the process by which a HAZOP is conducted.

The guideword HAZOP technique is based on the premise that hazards and operability problems originate from deviations from design intent when a process is running under normal operating conditions. Seven guide words capture the ways in which process parameters can deviate from design intent: No, More, Less, As Well As, Reverse, Part Of, and Other Than. These guidewords are systematically combined with process parameters to yield deviations, which are then judged for credibility. If credible causes exist, the deviations are further examined and documented.

The HAZOP Deviation Matrix depicted in Table 2 summarizes a comprehensive listing of the combinations of guidewords with process parameters.

6/15/2010 HAZOP Conducted

Figure 1 - Typical HAZOP Technique Flow Diagram

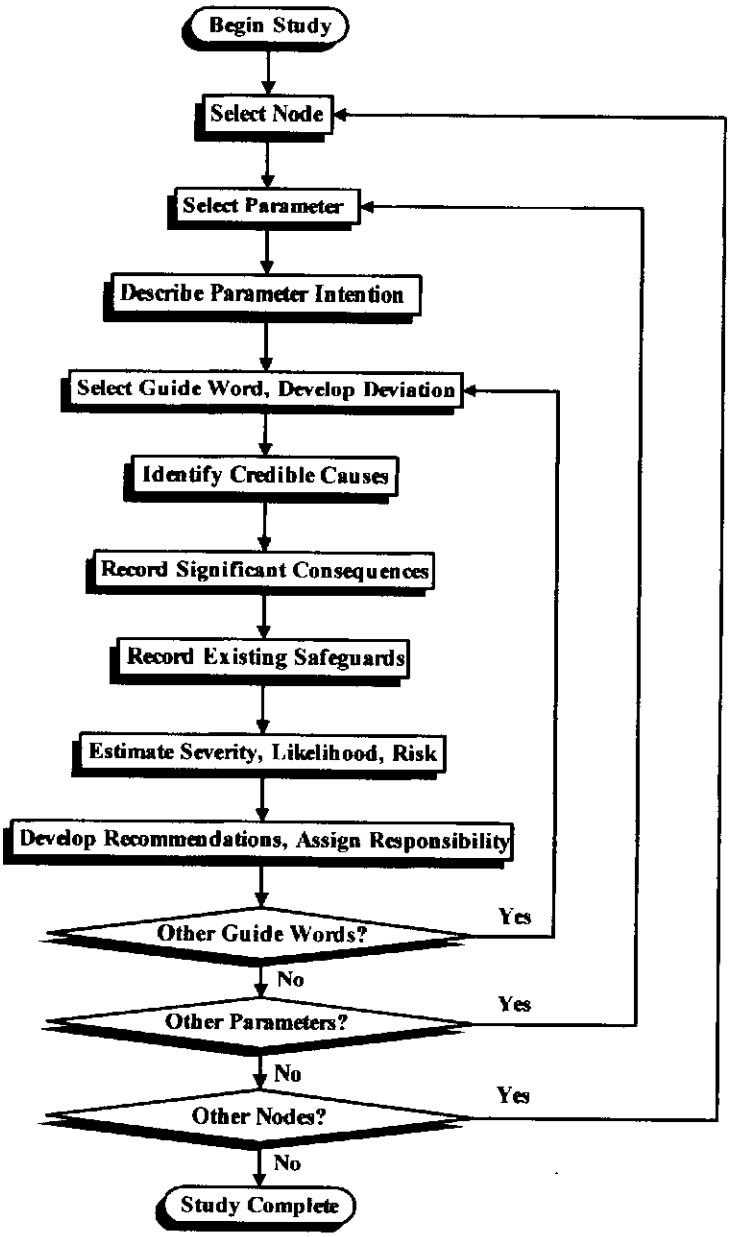


Table 2 - HAZOP Deviation Matrix

Design Parameter	Guide Word						
	More	**Less**	**None**	**Reverse**	**Part Of**	**As Well As**	**Other Than**
Flow	High Flow	Low Flow	No Flow	Back Flow	Wrong Concentration	Contaminants	Wrong Material
Pressure	High Press	Low Press	Vacuum				
Temperature	High Temp	Low Temp					
Mixing	Excessive Mixing	Poor Mixing	No Mixing			Foaming	
Level	High Level	Low Level	No Level				
Reaction	High Reaction Rate	Low Reaction Rate	No Reaction	Reverse Reaction	Incomplete Reaction	Side Reactions	Wrong Reaction
Time	Too Long	Too Short					
Sequence	Step Too Late	Step To Early	Step Left Out	Steps Backwards	Part of Step Left Out	Extra Action Included	Wrong Action Taken
Composition	High Concentration	Low Concentration	None			Extra Component	Wrong Component
Phase	Too Many	Too Few	Single	Inversion	Emulsion		

HAZOP Tables - Columns Defined

Deviation: combination of guideword and process parameter. For example, "More" combined with "Temperature" yields Deviation "High Temperature."

Causes: the events or failures that result in a deviation from design intent for a process parameter. For example, "No Flow" may be caused by "pump not pumping." While it is often adequate to list a "Cause," it is sometimes preferable to list "root causes" (for example, "pump not turned on," or "coupling failed"), where Consequences or Safeguards are unique to a particular root cause. By convention, Causes were considered only within the Node under study. Causes outside the node being reviewed were deferred until that node was discussed.

Consequences: a description of the hazard, or series of hazards, or operability problems that would or could result from the Cause, if subsequent events were to proceed without consideration of safeguards which may exist. Consequences may arise beyond the Node under study. If so, these were documented accordingly.

Safeguards: existing or proposed (for new projects) measures that detect or warn of a Deviation or Consequence, prevent a Deviation or Consequence, or mitigate the effects of a Consequence.

Severity (S): a semi-quantitative ranking of the worst consequence associated with each credible cause. Definitions of the Severity Rankings are shown in Table 3.

Likelihood (L): a semi-quantitative ranking of the probability of a cause occurring which leads to a consequence of concern, given the stated level of safeguards. Definitions of Likelihood Rankings are shown in Table 4.

Risk Ranking (RR): a numerical ranking of the "risk," considering both the Severity and Likelihood of an occurrence (See Figure 2). Lower numbers correspond to higher risk and higher numbers correspond to lower risk in the risk ranking system used for this project. The risk ranking was used to assist in determining the need for additional safeguards, and as an aid in prioritizing recommendations.

Recommendations: recommendations include design, operating, or maintenance changes that reduce or eliminate Deviations, Causes and/or Consequences.

Table 3 - Consequence Severity Ranking

Severity	Personnel/Safety	Environmental	Community/ Reputation
1	Fatality(ies)	Extensive	National Impact
2	Disabling Injury	Major	Local to State Impact
3	Lost Workday Day(s) Injury	Localized	Community Impact
4	Recordable Injury	Minor	Minor
5	No injury to First Aid(s)	Negligible	Negligible

Table 4 - Consequence Likelihood Ranking

Likelihood	Description
1	Event is likely to occur within **one** year

Likelihood	Description
2	Event is likely to occur within **5** years
3	Event is likely to occur within **20** years
4	Event is likely to occur within **50** years
5	Event is <u>not likely</u> to occur over **plant lifetime**

Figure 2 – Risk Ranking Matrix

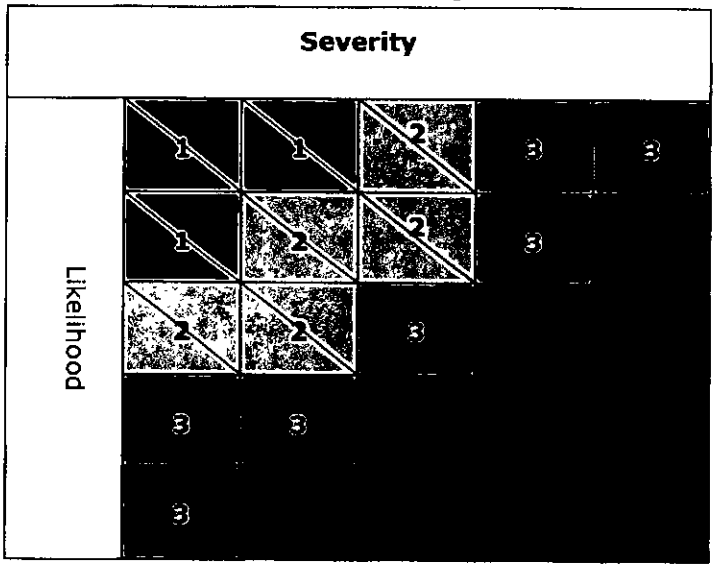


Table 5 – Risk Categories

Risk Ranking	Description
1	**High Risk** - Immediate action required for determining appropriate mitigation requirements. Should be mitigated with engineering and/or administrative controls to a risk ranking of 3 or less.
2	**Moderate Risk** - Should be mitigated with engineering and/or administrative controls to a risk ranking of 3 or less within a specified time period.
3	**Low Risk** - Procedures or controls should be verified to be in place or developed and documented within specified time period.
	Negligible Risk - No mitigation required or expected.

Williams, Ruben

From: Cole, Mitchell [mitchell.cole@philips.com]
Sent: Thursday, November 12, 2009 10:41 AM
To: Williams, Ruben
Subject: FW: Philips Ammonia Release

The description sent to Mr. Randolph.

From: Cole, Mitchell
Sent: Thursday, November 12, 2009 8:14 AM
To: Mike Randolph
Subject: Philips Ammonia Release

Mike,

This message is to let you know about a release reported yesterday to the NRC, OES, Fed EPA, CUPA, BAAQMD and you.

The report is a continuous release of about 170 pounds per day of Ammonia. This is a continuous release of a light concentration (20 ppm) in a large volume of air. The RQ for CERCLA and EPCRA is 100 pounds per 24 hours.

This is measured after the scrubbers on the roof.

History:
In the mid 90's under HP, the first nitride epi reactors were purchased for producing blue frequency LEDs. This was a first for us. They were permitted with the BAAQMD and presumably were below the levels triggering the Toxic Risk Assessment (at the time – 17,000 pounds per year). At the time, these were fed by single 55#cylinders of anhydrous ammonia from the gas vault. The efficiency of the house scrubber system could have been higher than it actually is.

Starting in the late 90's, we started using point of use abatement systems to capture the ammonia more efficiently than the house scrubbed exhaust system. These have been installed on all reactors installed since about 1999.

We did not retrofit the older reactors with this new abatement technology.

Over the years, the recipes changed, the original reactors were upgraded from 2" to 3" wafers and the loading into the house scrubbers exceeded the capability to remove the ammonia.

In September of this year, I attended a CalARP/PSM/RMP seminar related to the use of ammonia primarily in agriculture (it was in Modesto) The presenter from EPA pointed out the RQ for ammonia releases being 100 pounds. I was concerned about that and hired a contractor to do some stack emissions monitoring to determine output levels from our facility. The results came back in the middle of October indicating that the emissions levels were 170 pounds per day.

So, the rules were reviewed, and the attorneys were consulted – resulting in the notification yesterday.

Hazard:
Although the mass quantity is over threshold – the actual concentration exiting the stacks is only 20 ppm. The OSHA PEL is 50 ppm – so there is no hazard to the community, or the employees at the site.

Action Plan:
We currently have three POU abatement systems on order for new reactors coming in over the next three months. We can divert two of these (amount needed to abate these original reactors) to address the emissions. We'll backfill those with a new order.

One will be here by the end of November, and the other will be here in the middle of December. The installation of the abatement equipment should be completed by the end of the year.

We're brainstorming to come up with a short term fix that we can implement faster...

Best Regards,

Mitch Cole
Environmental Engineer

408-964-2562 desk
408-964-5358 fax
408-592-3222 mobile

Philips Lumileds Lighting Company
370 West Trimble Road
San Jose, California 95131

www.philipslumileds.com

The information contained in this message may be confidential and legally protected under applicable law. The message is intended solely for the addressee(s). If you are not the intended recipient, you are hereby notified that any use, forwarding, dissemination, or reproduction of this message is strictly prohibited and may be unlawful. If you are not the intended recipient, please contact the sender by return e-mail and destroy all copies of the original message

San Jose Mercury News
750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190
408-920-5332

RECEIVED
NOV 2010
SANTA CLARA COUNTY
DEPT OF ENVIRONMENTAL HEALTH

PROOF OF PUBLICATION

IN THE
CITY OF SAN JOSE
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

S C COUNTY ENVIRONMENTAL
1555 BERGER DR. BLDG 2 #300,HAZ MAT COMPLIANCE DIV.
SAN JOSE CA 95112-0000

FILE NO. H. Holley

In the matter of

The San Jose Mercury News

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to or interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California as determined by the court's decree dated June 27, 1952, case numbers 84096 and 84097, and that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers, and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned Said decree has not been revoked, vacated or set aside.

I declare that the notice, of which the annexed is a true printed copy, has been published in each regular or entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

11/20/2010

Dated at San Jose, California
11/20/10

I declare under penalty of perjury that the foregoing is true and correct.

Signed _____

Principal clerk of the printer and publisher of the San Jose Mercury News.

Legal No. [redacted] **0003763469**

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara Department of Environmental Health has received and reviewed four 5 year updated Risk Management Plans (RMP) under the California Accidental Release Prevention (CalARP) program for the following facilities located in Santa Clara County for the chemicals as noted:

The Metcalf Energy Center - 1 Blanchard Road, Coyote, CA 95013- Ammonium Hydroxide.

Los Esteros Critical Energy Facility - 1515 Alviso-Milpitas Road, San Jose, CA 95134 - Aqueous Ammonia.

The Eggo Company - 475 Eggo Way, San Jose, CA 95116 - Anhydrous Ammonia

Lumileds Lighting, LLC - 370 W. Trimble Road, San Jose, CA 95131 - Anhydrous Ammonia.

The County of Santa Clara has reviewed and found the RMPs complete. the RMPs will be made available to the public for review and comments starting November 18, 2010 for a period of 45 days. Individual and organizations may request the RMPs be reviewed during normal business hours at the location listed below. Please call in advance to arrange for a time to review the document.

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400
SJMN#3763469
November 20, 2010

CONCERN DESPITE CITY'S, FIRM'S ASSURANCES

NHAT V. MEYER — MERCURY NEWS

George Hamma, who works near Agilent Technologies, is concerned city officials will approve the firm's expansion plans today without more public debate.

Neighbors fear expansion of ammonia gas storage

By Deborah Lohse
Mercury News

San Jose's planning officials are expected today to approve a controversial request by Agilent Technologies to increase its storage of toxic ammonia gas at Trimble Road and Orchard Parkway from 2,000 pounds to as much as 105,200 pounds.

But some neighboring business and property owners are opposed, saying the issue hasn't been debated enough publicly to assuage their concerns about a possible "worst-case" release of the gas.

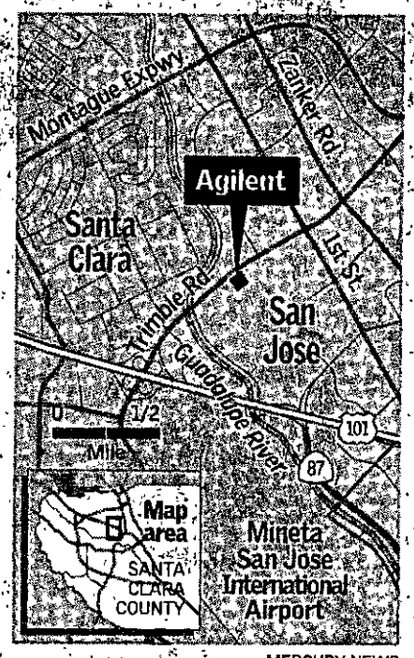
SAN JOSE

City planning officials and Agilent say that those concerns aren't warranted because Agilent has exceeded its obligations for keeping the area clean and for safely containing the gas, which can cause chemical burns and other ailments in concentrated doses. Some city officials who have studied the proposal say the threat also will be minimized because the ammonia will be stored outdoors and is easily dissipated in the air should it escape.

"We plan to and have met all the safety requirements of the city, and we've gone beyond them," said Steve Beitler, Agilent's public affairs manager.

Critics say the issue should have been examined more closely, especially in light of the city's long-term plans to add more residential housing along nearby North First Street. And they say more businesses, which would have to be evacuated in case of

See **TOXIC**, *Page 6B*



MERCURY NEWS

Cleaning out the fridge

Now I have th[illegible] 64-gallon rolling bin that's [illegible]nly the size of a Mini Cooper. Th[illegible] irst week, after my daughter and I dumped the contents of the four old crates into the cart, it wasn't even half full. We went from room to room grabbing piles of old New Yorkers, stacks of shopping bags and even the stash of shoe boxes left over from elementary-school days.

We ripped the old phone books off the shelves and the 4-year-old bottles of ketchup and salad dressing from the back of the refrigerator.

We wheeled the nearly full cart to the curb. The next morning I watched as one guy emptied the cart with ease into the recycling truck. And off it went.

Where?

I couldn't help wondering where all that stuff goes, and who separates it. So I decided to picked out large items as the river of refuse flowed by.

The separated materials were then fed to machines that can crunch an office-size pile of aluminum cans into a desk-size bale.

About 7 percent is left over, Juntado said, and goes to the landfill. He hopes to shrink that percentage with new equipment.

"Even though I work for a garbage company, I'm in the recycling business," he said. "I know it's not garbage; it's money."

In most cities people recycle 20 percent more stuff when they don't have to sort it. Palo Alto isn't expecting that big of an increase because we're already so well-trained. So we'll end up with a little more recycling and a lot less effort. That works for me.

Patty Fisher writes about the Peninsula on Wednesday and Saturday. Contact her at pfisher@mercurynews.com or call (650) 688-7510.

Council takes first steps in med[illegible]

SAN JOSE

By Janice Rombeck
Mercury News

With the long-term needs for health care in downtown San Jose in mind, the city council Tuesday night launched a planning process aimed at bringing clinic and emergency services back to the San Jose Medical Center site as well as looking at other uses for the property, including housing.

The council rejected a short-term proposal to negotiate with two non-profit health care providers to relocate a clinic and build an assisted-living senior housing on the 13.5-acre East Santa Clara Street site. Instead, the council directed city staff members to come back in 45 days with a "work plan" for a community planning group that could include residents, health care officials and developers.

The proposal, which was offered by Vice Mayor Cindy Chavez in a memo signed by council members Nora Campos and Dave Cortese, directed the group to focus on low-cost comprehensive outpatient health services and identify five acres on the site for a future full-service hospital.

Approved unanimously by the council, the proposal puts on hold negotiations with the Gardner Family Health Network to relocate its Julian Street clinic and with the Cornerstone Affiliates to build a housing-and-care complex for seniors.

The two health care providers had submitted the proposal in response to a city request to determine uses for the hospital property. HCA, the owner, closed the hospital on Dec. 9, 2004, because it was losing money.

The actions were taken after 21 speakers, mostly members of the Save the San Jose Medical Center Coalition, expressed

RAIN GUTTERS
Quality { Residential, Commercial, Seamless, Custom
PADILLA'S
408-279-4877

Live Like It's The Weekend... All Week Long!
Custom-Designed & Built Decks, Porches, Gazebos & Pergolas
archadeck® The Backyard Company™
C.L. # 835239
877-232-2585
www.archadeck.com

NEW BREAKT
Elimina
the need for Glas
OF ANY
"Having the cataract surger
was as easy as going to th
~ Mr. D
Author, For
Universal
Imagine being able to see near and far—
medical breakthrough now makes it pos
vision, often to 20/20.
This New Technology can Elimin
greatly lessening the need for glasses. C
candidate for our new ACRYSOF ReST
AcrySof® Lenses are
the Most Frequently Implanted

Shopping for new Windows?
Windows • Screens
Patio Doors
the Screen Shop
Since 1945 the Salamida family business
www.thescreenshop.com
Let our family help YOU with Milgard Replacement Windows
601 Hamline St
San Jose
408.295.7384
Off Hwy 880, Coleman & Newhall
M-F 8:30-5:30, Sat 8:30-1
Lic 277804
60 YEARS

With my active lifestyle...
"I haven't got time for the pain."
Free seminar on knee and hip pain. Learn more about advanced treatments that may offer pain relief. Tuesday, Sept. 6, 1 PM. Conference Center. Call 1-888/257-5476 to register or visit www.communityhospitalLG.com
COMMUNITY HOSPITAL OF LOS GATOS
815 Pollard Rd., Los Gatos, CA 95032

STOP BACK PAIN...NOW!
New Medical Technology Treats Herniated and Degenerative Discs without Surgery!

TOXIC | More storage of ammonia gas feared

Continued from Page 1B

a serious leak, should have been notified.

"If there was an evacuation based on a leak, it would be devastating to our interests," said Larry Goldberg, managing partner of an investment group that owns a shopping center with 11 restaurants at North First and Trimble Road. Goldberg said he wasn't notified by the city of Agilent's proposal, even though his center is a half-mile from the proposed site.

Agilent uses anhydrous ammonia to manufacture light-emitting diodes in partnership with Phillips Semiconductor.

The city has been considering Agilent's request to increase storage and production activities at the site for several weeks. Jodie Clark, senior environmental planner with San Jose's planning division, said the matter does not require a city council vote because it is a simple amendment of an existing development plan.

But critics say that isn't enough. "I'd like the city to share with the 16,000 residents and businesses in the area the extent of the proposed enhancement by Agilent so they may participate in the decision process," said George Hamma, who works at Spectral Dynamics at 2730 Orchard Parkway. Hamma said he's concerned about this proposal because several years ago he worked near a site that had to be evacuated due to an ammonia leak.

According to an environmental study done by the city as part of Agilent's request, if one of the four proposed 26,300-pound storage containers were breached within a 10-minute period, unspecified serious injuries could occur to residents within a 1.9-mile radius. That would include three elementary schools and the Martinson Child Development Center, numerous businesses and the airport.

However, the study concluded that "the likelihood of this worst-case scenario is very low," requiring an impact as large as an airplane crash. "It would have to be a pretty severe catastrophe" for any gas leak to reach beyond Agilent's storage site, Clark said.

In recent weeks, representatives of several large businesses, including PC vendor Acer, developer CarrAmerica Realty Operating Partnership and BEA Systems have submitted questions and met with city officials over Agilent's proposal. Tuesday, some said they were still digesting the answers or could not discuss their current position.

City Councilman Chuck Reed, whose district includes the North First Street area, said he hasn't gotten involved in the Agilent matter because it won't be ruled on by the council and because Agilent will have to comply with San Jose's chemical-storage ordinance.

If the permit amendment is approved, as expected, Agilent will have to follow through on its promised containment and mitigation measures in order to obtain building and storage permits. The fire marshal's office will oversee Agilent's compliance with the mitigation measures, said San Jose Fire Marshal David Schoonover.

Clark said if businesses object to the city's expected approval of Agilent's expansion, they can appeal the decision to the San Jose Planning Commission.

Schoonover said there are 3,000 hazardous material sites around San Jose, but was not able to provide a list of those that store ammonia. He said his inspectors anecdotally believe there is at least one site with more ammonia than Agilent's proposed site — on Charcot Avenue, where the Orange-based chemical firm Hill Brothers stores about 126,000 pounds. What's more, Schoonover said the Agilent site is "not even close" to the most dangerous chemical site in San Jose.

IF YOU'RE INTERESTED

The planning director's hearing will be held at 9 a.m. today in Rooms W118 and W119 at City Hall, 200 E. Santa Clara St.

Contact Deborah Lohse at dlohse@mercurynews.com or (408) 275-0140.

VER L.A. SCUFFLE

DAMIAN DOVARGANES — ASSOCIATED PRESS

s Angeles Police Commission over the fight between police and Tony
ed in photo. Muhammad has accused officers of beating him. Police
uhammad disobeyed police orders during a vigil for a shooting victim.

has approved bill

IN BRIEF

SACRAMENTO

Officials' misbehavior would imperil pensions

Elected officials convicted of bribery, embezzlement or certain other crimes could lose their government pensions under legislation sent to the governor's desk on Tuesday.

The measure by Assemblyman Greg Aghazarian, R-Stockton, was given final approval by the Assembly, which voted 70-0 to accept Senate amendments to the bill.

Current law allows pension benefits to be suspended when an elected official who is facing corruption charges flees, but the law is silent on what happens when there is a conviction.

Judges, on the other hand, lose their pensions — except their own contributions to their pension funds — if they're convicted of corruption or morals charges.

ANAHEIM

Labor groups rally during baseball game

Nearly 500 nurses, teachers and firefighters took over part of Angel Stadium on Tuesday during a pennant-race baseball game between the Los Angeles Angels and Oakland Athletics to demonstrate against Gov. Arnold

County of Santa Clara

Department of Environmental Health

Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

Direct Pay Purchase Order

6 July 2006

Cost Center: 1198 - HMCD GLA: 5255100 - Professiona
Div./Prog./Requestor: Ruben Williams 408-918-1985
Customer #: H070002

PURCHASE ORDER #: H070002

Vendor:	San Jose Mercury News	**Phone #:**	408-920-5332
Contact:	Gwen Robinson	**Fax #:**	408-920-5271
Address:	750 Ridder Park Drive San Jose, CA		

Please enter our order as follows:

1. Qty: **1** Units: **EA** Cost/Unit. **$500.00**
   Model / Catalog #:
   Description: **Public notification ad to be placed at earliest date. Ad to be placed once. Send proof of publication with invoice.**
2. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:
3. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:
4. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:

Total Amount of Purchase Not to Exceed: $600.00

SHIP TO:	BILL TO:
Department of Environmental Health **Attn: Heather Holley, Tel #(408) 918-3426** **1555 Berger Dr, Bldg 2, Suite 300** **San Jose, CA 95112**	**Department of Environmental Health** **Attn: Rosemarie Ryan, Tel #(408) 918-3418** **1555 Berger Dr, Bldg 2, Suite 300** **San Jose, CA 95112**

Prepared By: Heather Holley, Lead OS III **Date:** 7/06/06

Admin. Approval: Elizabeth Lopez **Date:** 7/6/06

INVOICES MUST ITEMIZE ALL MERCHANDISE, TAX, SHIPPING AND HANDLING.

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Peter Kutras, Jr.

8-005

FILE

Department of Environmental Health
Purchasing Request

Requestor Name: Ruben Williams **Division/Program:** HMCD

To be provided by purchasing support staff.

Check One: ☒ **Purchase Request** ☐ **Contract Release** ☐ **Direct Pay** ☐ **P-Card**
Cost Center: 1198 - HazMat **GLA:** 5255100 - Professional Special Services
Internal Order:

Vendor: San Jose Mercury News **Phone #:** 408-920-5332
Address: 750 Ridder Park Drive, San Jose, CA **Fax Phone #:** 408-920-5271
Contact Person: Gwen Robinson
Date Req'd: mm/dd/yy

1.	**Qty:** 1 **Model / Catalog #:** **Description:**	**Units:** EA	**Cost/Unit:** $500.00	**Page:** N/A	Public notification ad to be placed at earliest date. Ad to be placed once. Send proof of publication with invoice.
2.	**Qty:** **Model / Catalog #:** **Description:**	**Units:**	**Cost/Unit:**	**Page:**	
3.	**Qty:** **Model / Catalog #:** **Description:**	**Units:**	**Cost/Unit:**	**Page:**	
4.	**Qty:** **Model / Catalog #:** **Description:**	**Units:**	**Cost/Unit:**	**Page:**	
5.	**Qty:** **Model / Catalog #:** **Description:**	**Units:**	**Cost/Unit:**	**Page:**	
6.	**Qty:** **Model / Catalog #:** **Description:**	**Units:**	**Cost/Unit:**	**Page:**	

Comments or Special Instructions: Newspaper Public Notice Article for CAL ARP submittal (Lumileds Lighting, 370 West Trimble Road, San Jose, CA) for public review of document.

Requested By: Ruben Williams Ruben D. Williams **Date:** 7/7/06

Approved By: Nicole Pullman Nicole Pullman **Date:** 7/7/06

Forms / 8-93 / YH

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara,, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of
Environmental Health Hazardous
Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

PROOF OF PUBLICATION

San Jose Mercury News

750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190

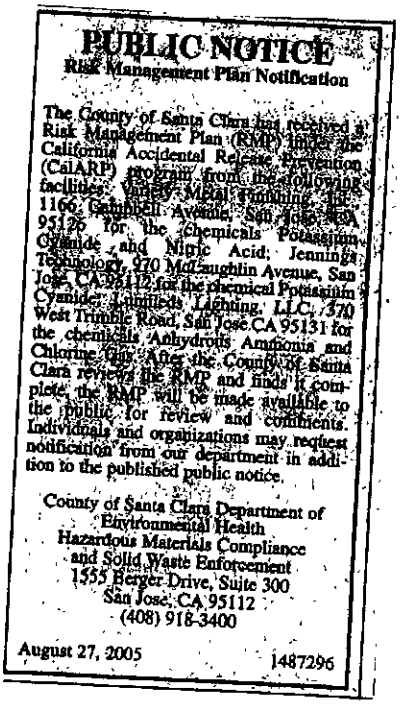
IN THE
City of San Jose
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

Department of Environmental Health
Rosemarie Ryan
1555 Berger Dr., Bldg. 2, Suite 300
San Jose, CA 95112
Legal Ad No. 1487296

STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers,and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

August 27,2005



PUBLIC NOTICE
Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Valley Metal Plating, Inc., 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Fairfields Lighting, LLC, 370 West Trimble Road, San Jose,CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

August 27, 2005 1487296

Dated at San Jose, California
this 29th day of August,2005
I declare under penalty of perjury that the foregoing is true and correct.

Signed.....
Principal clerk of the printer and publisher of the San Jose Mercury News.

RISK MANAGEMENT PLAN REVIEW PROCESS

FACILITY INFORMATION

Facility Name: Lumileds Lighting

Facility Address: 370 West Trimble Rd City San Jose Zip 95131

Contact Person Gopal Shetty Telephone # (408) 435-4070

SR #0809078 P.E. 2359 V 252744

INITIAL PUBLIC NOTICE

☒ Public notice published in the local newspaper stating that RMP has been submitted.

Date: 11/11/02 Newspaper: San Jose Mercury

DEFICIENCY NOTICE

☒ RMP reviewed for all elements.

☐ Written notice provided to owner of any deficiencies. Date: ___/___/___

☐ Resubmission of corrected/revised RMP (within 60 calendar days of written notice).

Date: ___/___/___

☐ 30 Calendar day extension requested.

☒ No deficiency found-RMP is complete. Completion Date: 6/9/03

FORMAL PUBLIC REVIEW

☒ Public notice published for formal public review. Date: 6/17/03 (Within 15 days of RMP completion date.) San Jose Mercury

☒ Ending date of public comments. Date: 8/1/03 (45 calendar days to comment.)

Newspaper: San Jose Mercury

Comments: None

EVALUATION REVIEW

TO BE COMPLETED WITHIN 24 MONTHS FOR PROGRAM 3.

☐ Public comments are considered. Evaluation includes: Standard application of engineering; scientific principles; site specific characteristics; technical accuracy; severity of offsite consequences.

☐ Inspection and onsite document reviewed.

Dates: ___/___/___ ___/___/___ ___/___/___

Comments: _____

_____

_____

TO BE COMPLETED WITHIN 36 MONTHS FOR PROGRAMS 1 AND 2. 6/9/06

☐ Public comments are considered. Evaluation includes all above noted elements.

☐ Inspection and onsite document reviewed.

Dates: ___/___/___ ___/___/___ ___/___/___

☐ Public access of public disclosure documents in the office.

Comments: _____

_____

_____

STAFF ASSIGNED

HMCD Staff Assigned to Facility: Nicole Pillman Ruben Williams

Hume Cronyn, graced stage, screen for 60 years

By Marilyn Berger
New York Times

Hume Cronyn, one of the foremost character actors of the American stage and screen for more than 60 years, died Sunday at his home in Fairfield, Conn. He was 91.

Mr. Cronyn, a compact, restless man who was once an amateur boxer and remained a featherweight 127 pounds all his life, was at home in everything from Shakespeare and Chekhov to Edward Albee and Beckett. Among his notable Broadway successes were "A Delicate Balance," "The Gin Game" and "Coward in Two Keys."

He did more than 30 feature films and was nominated for an Oscar for the 1944 film "Seventh Cross" with Spencer Tracy. More than 40 years later, when he was in his 70s, he won fresh recognition on film as Joe Finley, one of a group of elderly people who seek eternal youth in the popular movies "Cocoon" and "Cocoon: The Return."

His performances won him four Tony nominations, and he won in 1964 as Polonius in Richard Burton's "Hamlet." In 1994, he and his wife and frequent acting partner, Jessica Tandy, received the first Tony for lifetime achievement. Tandy died later that year.

Hume Cronyn, who died Sunday at 91, and his wife, Jessica Tandy, as they appeared in the 1987 film, "Batteries Not Included." She died in 1994. They received the first Tony award for lifetime achievement.

UNIVERSAL CITY STUDIOS

The Cronyns also did numerous television programs, including a series that ran on NBC during the 1950s called "The Marriage." Mr. Cronyn was almost in his 80s when he won an Emmy for his role in "Age-Old Friends" on Home Box Office in 1989.

Early in Mr. Cronyn's career in New York, a casting director at the Theater Guild suggested he go into summer stock, but he said she told him, "You may have a difficult time because you don't look like anything."

He said, "I tell this story to students because I hope it is encouraging." For a young actor, he said, the best hope is that he will walk into an office and somebody will say, '"Ah, you're a lawyer, or a newsboy,' or anything. I didn't look like anything and in the long run it turned out to be the biggest advantage I had."

Mr. Cronyn said he followed one rule as an actor: "If you're doing the devil, look for the angel in him. If you're doing the angel, look for the devil in him." He said he saw few parallels between his own life and the lives he depicted on stage. He said, "My idea of a lovely part is a part I can hide behind."

After Tandy's death, Mr. Cronyn remarried, in 1996, to Susan Cooper, an award-winning children's book writer and Mr. Cronyn's longtime playwriting collaborator. Mr. Cronyn's first marriage, to Emily Woodruff, ended in divorce.

Daniel V. Hernandez, activist, defense attorney

By Betty Barnacle
Mercury News

Although his brothers as San Jose deputy police chiefs were responsible for collaring lawbreakers — even in one instance himself — Daniel Villanueva Hernandez remained an impassioned criminal defense attorney just as devoted to freeing suspects.

The career differences made for several interesting discussions when the large Hernandez clan got together.

"Did we argue about it? Of course we did," said Luis Hernandez, now retired from the force as is another brother, Eusevio "Ike" Hernandez. "We had some pretty good arguments. But we were the same in what we believed. He just went about it in a different way."

Daniel Hernandez, who died at 59 of a heart attack June 6 while taking a nap, ran afoul of San Jose cops while he was enrolled at San Jose State University where, with other students, he took over the administration's offices while protesting the Vietnam War.

"I never said, 'You are under arrest' to his face," his brother Luis said, "but we arrested Danny for disturbing the peace. But family is family, and he was a good guy."

Sofia Mendoza, a longtime San Jose activist, also thought highly of Mr. Hernandez. She met him in the 1960s when he was pushing for more Chicano students and professors at San Jose State and she was organizing United People Arriba. That group dealt with issues such as police brutality, affordable housing and an East Side medical clinic for San Jose's Latino community.

"We connected, and he, as a student leader, worked very closely with us," Mendoza said. "As a result, we now have a medical clinic on McKee Road and 193 affordable housing units."

DANIEL VILLANUEVA HERNANDEZ

Born: Feb. 29, 1944, in Brady, Texas

Died: June 6, 2003, in San Jose

Survived by: His wife, Jessie Serna of San Jose; sons Ignacio Hernandez and Daniel Ernesto Serna Hernandez, both of San Jose; sisters Beatrice Salinas of San Jose and Mary Helen Tye of Dos Palos; brothers, Eusevio Hernandez of San Jose, Luis Hernandez of Los Gatos, Reymundo Hernandez of Casa Grande, Ariz., and Eduardo Hernandez of Maricopa, Ariz.

Services: Have been held.

Mr. Hernandez also joined Mendoza in campaigning for the current procedure of electing San Jose City Council members on a district level instead of on a citywide "at large" basis, she said. At the same time, he was active on campus working for scholarships and student loans for Chicano students.

San Jose attorney Dionisio Maceda knew Mr. Hernandez for nearly 40 years, since their student days at San Jose State.

"Hardly any Chicanos were in college then, and he started the Mexican-American Student Confederation and brought in 200 students in one year," he said. "He was a brilliant thinker, politically conscious, who also was active in getting jobs for Chicanos. He was the leading figure in all that."

Jessie Serna, Mr. Hernandez's wife and a local personal injury and medical malpractice attorney, said she persuaded her husband to become a lawyer. "The year I graduated from Golden Gate Law School is the year he started," she said.

The couple met at a Chicano conference for San Jose State students in the 1970s, and she was dazzled by the activist who had done so much in the preceding decade.

"He worked for Cesar Chavez as a student in the '60s and taught with Dennis Banks of the American Indian Movement. He marched against the Vietnam War," she said. "I thought he was terrifically intelligent. He was one of my heroes."

Mr. Hernandez was born in Texas and raised in Arizona, the youngest of nine children of migrant farmworkers, Ignacio and Maria Hernandez. Like his parents and siblings, he spent every summer as a youth in Santa Clara County picking prunes.

His father made sure all his kids finished high school and most of them went on to college, according to Luis Hernandez. Daniel Hernandez lived in the San Jose area since the mid-'60s and practiced law for 22 years.

State Appellate Court Justice Marc Poche, formerly a Santa Clara County Superior Court judge, knew Mr. Hernandez. "He was always going full bore for his clients, no matter how small they were," Poche said.

Gerald Uelmen, Santa Clara University law professor and a member of O.J. Simpson's defense team, said, "Daniel was one of the most compassionate attorneys I ever encountered. His zeal for his clients knew no bounds. No case was hopeless. I thought he was a first-rate criminal defense lawyer. His clients loved him."

Contact Betty Barnacle at bbarnacle@mercurynews.com or (408) 920-5321.

LOCAL NOTICES

AMARAL, Maria Odilia, 63, of San Jose, died June 15, 2003. Visitation from 1 to 4 p.m. today and Wednesday at Darling & Fischer Garden Chapel, San Jose. Funeral Mass at 7 p.m. Wednesday at Five Wounds Portuguese National Church, San Jose. Burial at 11 a.m. Thursday in Calvary Cemetery, San Jose.

BARROW, Richard H., 66, formerly of San Martin, died June 4, 2003. Memorial service at 11 a.m. today at Johnson Funeral Home, Morgan Hill. Burial to be in Corning.

CULLEN, Robert Emmett Jr., 83, of Saratoga, died June 14, 2003. Visitation from noon to 5 p.m. today at Alameda Family Saratoga-Cupertino Funeral Home, Saratoga. Service at 12:30 p.m. Wednesday at the funeral home. Burial in Madronia Cemetery, Saratoga.

DENNEE, Olive, 89, of Saratoga, died June 15, 2003. Visitation from 5 to 9 p.m. Wednesday at Darling & Fischer Chapel of the Hills, Los Gatos. Service at 2 p.m. Thursday at Saratoga Federated Church.

DUFFY, Ila, 73, of Saratoga, died June 12, 2003. Visitation at 10 a.m. Friday with service at 11 a.m. at Church of Jesus Christ of Latter-day Saints, Saratoga. Burial at 2 p.m. Monday in San Joaquin National Cemetery, Gustine. Arrangements by Darling & Fischer Chapel of the Hills, Los Gatos.

KEEBLE, Twila Faye, 76, of Santa Clara, died June 10, 2003. Memorial service at 1 p.m. today at Lima Family Santa Clara Mortuary. Private burial in Mission City Memorial Park, Santa Clara.

LEONE, Richard P., 73, of Gilroy, died June 13, 2003. Service at 10 a.m. Wednesday at Habing Family Funeral Home, Gilroy. Burial in Gavilan Hills Memorial Park, Gilroy.

MEYER, June M., 82, of San Jose, died June 16, 2003. Graveside service at 10:30 a.m. Wednesday at Home of Peace Cemetery, San Jose. Arrangements by Oak Hill Funeral Home, San Jose.

MOORE, Betty Jean Clack, 65, of Milpitas, died June 10, 2003. Graveside service at noon today at Cedar Lawn Memorial Park, Fremont. Arrangements by Darling & Fischer Garden Chapel, San Jose.

PAINTER, Elaine M., 68, of Milpitas, died June 12, 2003. Graveside service at 1 p.m. today at Lima Family Milpitas-Fremont Mortuary, Fremont. Burial in Cedar Lawn Memorial Park, Fremont.

PUBLIC NOTICE
C-60693

Notice is hereby given that the San Mateo County Transportation Authority will receive proposals until **2:00 P.M., July 30, 2003 for C60693, Union Pacific Railroad Relocation Project,** per the Specifications on file at the Office of the Director, Contracts & Procurement, 1250 San Carlos Avenue, P.O. Box 3006, San Carlos, CA 94070-1306. The work consists, in general, of furnishing all materials, labor, tools, plants, supplies, equipment, transportation and superintendence necessary to perform the construction of Union Pacific Railroad (hereinafter "UPRR") tracks, associated turnouts, signal work, and rehabilitation of existing tracks; construction of a fiberoptic ductbank; relocation of existing utilities; and reconstruction of pavement and associated work. A substantial portion of the Work will take place on or adjacent to active tracks running both passenger and freight operations and major portions of Work will be restricted to specific Work Window times. Federal and Local funds are financing this project. Estimated cost is over $2,500,000. You may also receive a copy of the Solicitation documents at the District's Website: www.samtrans.com

June 17, 2003

Dave Huff
Contract Officer,
Contracts & Procurement

June 17, 25, 2003 226249

Funeral Announcements

PLEASE VIEW AND SIGN THE ONLINE GUEST BOOK AT MERCURYNEWS.COM

AMARAL, Maria O.--

In San Jose, California June 15, 2003. Beloved husband of Manuel A. Amaral of San Jose. Loving mother of Manuel E. Amaral and wife Bridget, Jose R. Amaral and wife Jody all of San Jose. Dear sister of Jose Andrade and wife Claire, Manuel Andrade and wife Arlinda, Antonio de Andrade and wife Joyce, Mario Andrade and wife Carol and Gus Andrade and wife Paula all of Massachusetts. Mary Helen Micieli and husband Joseph, Emma Crabb and husband Robert both of California, Manuela Barcelos and late husband Jose of Massachusetts, Helena C. Medeiros and husband Clemente of Cabecao, Portugal and Lisa Andrade of Massachusetts. Grandmother of Lauren, Jose (Joey), Antonio (Tony), Brandon and Nicholas. A native of Matriz Horta, Faial, Azores, age 63.

Friends are invited to a Vigil Service followed by a Funeral Mass on Wednesday, June 18, 2003 at 7:15 p.m. at Five Wounds Portuguese National Church, 1375 E. Santa Clara St., San Jose. Visitation at the DARLING-FISCHER GARDEN CHAPEL, 471 E. Santa Clara St., on Wednesday from 1 to 4 p.m. Friends are also invited to the mortuary on Thursday, June 19th at 10:00 a.m. thence to Calvary Cemetery for the Interment at 11:00 a.m.

ARANDA, Francisco P.--

Entered into rest San Jose, CA June 16, 2003. Beloved husband of Rosa Aranda. Devoted father of Maria Luz, Maria, Teresa, Martha, Rosa, Jose, Maria Elena, and Juanita. Loving grandfather of Arcelia, Dulce Elena, Dulce Maria, Juan, Leticia, Alex, Franky, Theodore, Gabirel, Daniel, Juan Manuel, Linda Faviola, Hugo, Edgar, Erik, Aron, Xavier, Melissa, Marissa, Giselle, Marcos, Carlos and Andres, and five great-grandchildren. A native of Mexico, age 79 years.

Visitation will be held Wednesday, June 18, 2003 at 3:00 p.m. at mortuary below. Friends are invited to attend a vigil service on Wednesday, June 18, 2003 at 7:30 p.m. at LIMA FAMILY ERICKSON MORTUARY, 710 Willow Street, San Jose. Funeral services will be held Thursday, June 19, 2003 at 8:15 a.m. at the above mortuary, then to St. Maria Goretti Church where a Funeral Mass will be celebrated commencing at 9:00 a.m. Interment to follow at Oak Hill Memorial Park.

CONTI, Samuel --

Passed away on June 12, 2003 in Sunnyvale, CA. Loving husband for 56 years of Doris Conti of Mtn. View. Beloved father of Bill (Linda) Conti, Janet (Geoff) Daniels and Tricia (Perry) Tucker. Devoted grandfather of Josh, Brian, Joey, Kevin, Kristin, Jake, Kevin and Zach. A native of Bergenfield, New Jersey, aged 84 years. Sam was a 39 year resident of Mtn. View, a Veteran of WWII and retired in 1979 after 37 years of dedicated service to Pacific Telephone Company.

Funeral Services will be conducted Thursday, June 19, 2003 at 12:30 p.m. at the CUSIMANO FAMILY COLONIAL MORTUARY, 96 El Camino Real West, Mtn. View, CA. Friends may call at the Funeral Home after 11 a.m. Thursday. Interment, Gate of Heaven Cemetery, Los Altos, Ca. Contributions are preferred to the Alzheimer's Association, 2065 West El Camino Real, Suite C, Mtn. View, CA 94040.

COOK, Emery Alan (USAF Col. Ret.)--

Born April 30, 1918 and died May 17, 2003, beloved husband of Margaret Whiting Cook and the late Betty Bird Cook. Loving father of Judy Seropan, Jennifer Tate and the late Corry Cook and father-in-law of Milt Seropan and Steve Tate. Cherished grandfather of Matt Cost (wife Michele), Andy Cost (wife Lisa), Stacy Huddleston, (husband Keith) and Greg Tate (wife Jennifer) and great-grandfather of Jared Huddleston, Kylie Huddleston, Ben Cost, Mary Cost and Jack Cost. Dearest step-father of Bill Whiting (wife Kate) and Margaret Smith (husband Neal) and step-grandfather of Stacie Knabb.

Born in Chicago, IL and moved with his family to Denver, CO, Albuquerque, NM and back to Denver, CO where he graduated from Regis High School. Attended University of Colorado, Boulder (1935-37) and received his Bachelors in Political Science and Economics from University of California at Berkeley in 1954.

Joined the Air Force in 1941 and was a pilot in both World War II, where he earned the Distinguished Flying Cross, and in the Korean War. During his career as an officer he was qualified as a nuclear bomb commander and he was a professor of Air Science at San Jose State College. He retired from the military in 1962 and was Community Relations Manager for IBM until he retired in 1979. He was a past member of Rotary Club, on the Board of the YMCA of Santa Clara Valley 1970-78, Vice President and Director of San Jose Chamber of Commerce 1975-79, a member of Holiday Circle. President of the Home Owners Association of Hale Pau Hana in Maui, HI and honored as Man of the Year by the City of San Jose in 1979.

Dad was a man of great presence and was greatly loved. He was a man of honor and a true friend to us all. He will be remembered always for his great sense of humor, his quick wit and his extraordinary wisdom. When he sang and danced everyone loved to sing and dance with him. He had a tremendous appetite for knowledge and he loved great conversations and was always interested in what you had to say.

Dad loved the outdoors, to work with his hands, to bike, to swim, to travel and to play golf when he wasn't writing, singing, dancing or talking.

The Memorial Service to celebrate his life will be June 21, 2003 at 1:00 p.m. at the Presbyterian Church of Los Gatos, 16375 Shannon Road, Los Gatos. In lieu of flowers the family prefers donations to the Maryknoll Mission, Dept. WEB, P. O. Box 307, Maryknoll, NY 10545-0307 or the charity of your choice. DARLING & FISCHER CHAPEL OF THE HILLS OF LOS GATOS (408) 354-7740 assisting the family.

DAUS, Joseph Keller, MD--

Entered into rest on June 4, 2003 at Kaiser Hospital in Santa Clara, the cause being recent lung cancer. Born April 9, 1934 in Waltsburg, Washington to Joseph Keller Daus and Muriel Kathryn Daus and raised in Zillah, Washington, where he graduated from Zillah High School as Salutatorian in 1952. He continued his education at Washington State University and the University of Washington where he completed his medical degree.

He married Beth Ann Hendrick, moved to San Francisco and did his internship and residency at UCSF. He also served two years in the US Navy. During this time, they had a son, Joseph Keller Daus III and a daughter, Jami Kristin Daus. In 1966 he practiced internal medicine and cardiology in Los Gatos and in 1971 joined Kaiser, Santa Clara until retirement in 1996.

He remarried in 1973 to Martha Lee Burgess. He is survived by Martha of Saratoga; daughter Jami K. Olivier, son-in-law Armand Jay Olivier, grandson Austin Jay Olivier, granddaughter Alexis Keller Olivier, all of Cedar Rapids, Iowa; sister Janice Dalen, nephew James Dalen, and niece Angela Dalen, all of Scottsdale, Arizona. He was preceded in death by his parents and his son Joseph Keller Daus.

Services to be held on July 21st in Zillah, Washington. The family requests that any donations be made to a charity of choice.

DENNEE, Olive E.--

Entered into rest on June 15, 2003 in Los Gatos, CA. Beloved wife of the late Glen Dennee Sr., of 44 years. Loving mother of Glen Dennee. Dearest sister of Jean Holtman. Cherished grandmother of Michele, Sue-Z, Glen III and great-grandmother of Matthew, Megan, Chancee and Haley.

Olive loved her home and always welcomed friends and family. She is remembered by her gracious hospitality to all. She was active in her church at First Baptist of San Jose and at Los Gatos Christian Church and later became a member of Saratoga Federated Church.

She was a past-president of Christian Women's Club. Her faith in God was evident to all and she touched the lives of everyone she met. She was an extraordinary mother and grandmother who was kind, strong, encouraging, gracious and who loved her family unconditionally.

Visitation will be on Wednesday, June 18, 2003 from 5:00 p.m. to 9:00 p.m. at DARLING-FISCHER CHAPEL OF THE HILLS, 615 N. Santa Cruz Avenue, Los Gatos, CA 95030, (408) 354-7740. Funeral service will be held Thursday, June 19, 2003 at 2:00 p.m. at Saratoga Federated Church, 20390 Park Place, Saratoga, CA 95070 followed by burial at Madronia Cemetery, Saratoga, CA.

Donations to Book of Remembrance, Mount Hermon Assoc., Inc., P. O. Box 413, Mount Hermon, CA 95041, (831) 335-4466 would be preferred.

ELLIS, O. Robert --

Of Sunnyvale entered into rest June 12, 2003 while visiting in Florence, OR. Beloved son of Harriette Ellis of San Jose. Dear nephew of Betty Townley of Cottonwood, AZ. Business partner of Ki Cash of Murrieta, CA. Also survived by numerous cousins. A native of Santa Cruz, CA. Age 63 years.

Friends are invited to attend funeral services Thursday, June 19, 2003 at 2:30 p.m. from OAK HILL FUNERAL HOME'S CHAPEL OF THE OAKS, 300 Curtner Avenue, San Jose, followed by interment in OAK HILL MEMORIAL PARK. Visitation after 5:00 p.m. Wednesday, in the funeral home.

HUDSON, Roberta "Bobbie"--

Born January 9, 1930, passed away peacefully on June 13, 2003 at Kaiser Santa Teresa Hospital.

She was of Native American descent (Ojibwe/Chippewa Tribe) from White Earth, MN. She devoted many years of service working for the American Indian Health Center WIC Program, San Jose, CA.

Bobbie was a generous, loving, and giving person quick to open her home to anyone who needed it, to those in need. Roberta was a loving mother and beloved sister and will be missed by all who knew her.

Bobbie was preceded in death by her parents, John L. and Louise Pemberton, husband Orval D. Hudson; brothers John L. Pemberton, Donald Pemberton, Dallas Pemberton and sisters Inez Erion and Irene Clark.

Bobbie is survived by her brother Norman and wife Jane Pemberton, sister Nancy and husband Richard Schramm, sister Pam and husband Burley Quetone, sister Carol and husband Jim Coombes. Bobbie is also survived by her 9 children; daughter Robyn and husband John Esparza, son Bill and wife Dolores Hudson, son Norman and wife Gretchen Hudson, son Gordon and wife Ernie Hudson, son Bob and wife Juanita Hudson, son Rick and wife Debra Hudson, son Greg and wife Rose Hudson, son John L. Hudson, and son Charlie and wife Julie Hudson. Bobbie had 27 grandchildren, 21 great-grandchildren and numerous nieces, nephews and cousins.

Services will be held at OAK HILL FUNERAL HOME, Chapel of Roses, 300 Curtner Ave., San Jose, June 19, 2003 at 10:00 a.m. Viewing will be available 12:00 - 9:00 p.m. June 18, 2003.

PEREIRA, Mary--

Mary Pereira passed away the evening of June 13, 2003 at the age of 107. She was the wife of the late Joseph Pereira. Mrs. Pereira is survived by her niece, Lorraine Nunes of Los Gatos, CA and nephew Arthur Ferriera of Ocala, FL; grand nieces Diane Wyant of San Jose, CA; Carol McNamara of El Dorado, CA; Rose Nunes of Los Gatos, CA and Marianne Stark of Tualatin, OR one great-nephew David Ferriera of San Jose, CA. She will be greatly missed.

Visitation will begin on June 19, 2003 at 10:00 a.m. at CHAPEL OF FLOWERS, 900 S. 2nd Street, San Jose, California. A Blessing Service will start at 1:00 p.m. at the above address. A graveside service will follow at Calvary Cemetery, all on the same day.

In Memoriam

CATHERINE ELAINE WALKER

A Memorial Service will be held for Catherine Elaine Walker on June 21st, 2003 at 10:00 a.m. in the Saratoga Federated Chapel.
Phone: (408) 867-1000
All friends are welcome.

RYLAND, Eyvonne--

In Sacramento, June 14, 2003. Loving wife of 30 years to Jim Ryland. Beloved mother of James White, Angela White-Wilson, Rodrick White, Deaderick White, Kimmera White-Smith and Joshua Ryland. Beloved sister of Rosemary Blackman and Kaye Kelso. Also survived by 19 grandchildren. A 30 year resident of Menlo Park, California and 2 year resident of Sacramento. A native of Tennessee, aged 58 years.

Friends are welcome for visitation Wednesday, 5:00 p.m. till 8:00 p.m. Thursday, 10:00 a.m. till 8:00 p.m. and are invited to attend services Friday, June 20 at 11:00 a.m. in ELK GROVE FUNERAL CHAPEL, 9101 Elk Grove Blvd., in Elk Grove, (916) 686-1888. Interment will be private.

SCHYNERT, Irving--

In Mountain View, June 15, 2003, at age 77. Beloved husband of 52 years to Angie; cherished father of Mark (Susan) and Scott (Karen); loved grandfather of Kendra, Allison, and Steven; dear brother of Phyllis Koch and brother-in-law of John Palazzari (Pearl). A long-time employee of El Camino Hospital. Services are private. Memorials to El Camino Hospital Foundation preferred. MENLO COLONIAL CHAPEL.

WATERMAN, Eldon E. "Gene" --

78, passed away peacefully on June, 13, 2003. Survived by his beloved wife of 57 years, Dorothy of San Jose, and his children, Nancy Musselman and her husband, Tim of Los Gatos; Mary Ovalle and her late husband, Alex of San Jose; and John Waterman and his wife, Susan of San Jose. His grandchildren, Tim and Katheryn Musselman of Los Gatos; Heather, Gina and Joe Ovalle of San Jose; Steven, Shane, and Spencer Waterman of San Jose; and Christina and her husband Keith Bolden of Milpitas. His great grandchildren, Drianna and Desmon Bolden, and Damon Garza of Milpitas; and Kayla Ovalle of San Jose. His nieces, Linda and husband Larry Dreyer; and Carol and her husband Doug Allinger; and four great-nephews.

Born in Illinois, he moved with his family to San Martin and later to Richmond to work at the shipyards. Gene joined the Marines in 1942, served in World War II and remained until the outbreak of the Korean War.

With two children and one on the way, Gene and Dorothy bought a home in San Jose. Gene worked as a truck driver for 30 years with Economy Cleaners in San Jose and Oakland.

Gene loved to work with his hands on his many hobbies; including cars, woodworking, building models, HO trains, his train city and doll houses. Many children, both small and large, benefited from his labors.

Retired in 1981, Gene and Dorothy enjoyed taking short trips. In recent years, his health had limited their travels.

Friends are invited to visitation on Wednesday, June 18th from 12-9 p.m. and Funeral services on Thursday, June 19th at 12 noon at Oak Hill Funeral Home, 300 Curtner Ave, San Jose. In lieu of flowers the family prefers donations to the Ronald McDonald House at Stanford, 520 Sand Hill Road, Palo Alto, Ca, 94304.

ZERCHER, Chris Robert--

Entered into rest on June 14, 2003 in Santa Clara, CA. He is survived by his beloved wife Barbara; his four children: Elden and his wife Vivian, Christy Monce and her husband Gary, Karen Trigg and her husband Sherman, and Craig and his wife Christine; eleven grandchildren and his brother Harold of Ashland, WI.

Mr. Zercher was born in Edgewater, WI in 1926 and moved to Santa Clara in 1958. He operated an electron microscope in the Center for Materials Research at Stanford University. He was a member of the Mission City United Methodist Church and Liberty Lodge #299. Mr. Zercher was much loved by family and friends, and esteemed and respected by all who knew him.

Visitation will be held on Wednesday evening from 6:00 p.m. to 9:00 p.m. at the LIMA FAMILY SANTA CLARA MORTUARY, 466 N. Winchester Blvd., Santa Clara. A memorial service will be held at the same location on Saturday, June 21 at 10:00 a.m.

In lieu of flowers, donations may be made to the Mission City United Methodist Church Memorial Fund, or the Shriner's Crippled Children's Hospital.

ALUM ROCK UNION ELEMENTARY SCHOOL DISTRICT

Alum Rock Union Elementary School District is seeking qualified vendors to participate in submitting a bid for Frozen Commodity/Non Commodity Food items for the Child Nutrition Services Department.

All bids are due before 2:00 p.m. on Wednesday, June 25, 2003. Bids must be submitted to the District's Child Nutrition Services Department located at 2930 Gay Avenue, San Jose, California, 95127.

Please call Lillian Yamada for bid documents or further questions at 408-928-6904.

June 9-June 20, 2003 213499

ALUM ROCK UNION ELEMENTARY SCHOOL DISTRICT

Alum Rock Union Elementary School District is seeking qualified vendors to participate in submitting a bid for Food/Supply items for the Child Nutrition Services Department.

All bids are due before 2:00 p.m. on Friday, June 27, 2003. Bids must be submitted to the District's Child Nutrition Services Department located at 2930 Gay Avenue, San Jose, California, 95127.

Please call Lillian Yamada for bid documents or further questions at 408-928-6904.

June 16-June 27, 2003 226859

Public Notice

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose, California for the chemicals Anhydrous Ammonia and Hydrogen Fluoride. After review by the County of Santa Clara, the RMP is found to be complete. In accordance with State Law, the RMP will be available for public review and comment beginning June 23, 2003 and will continue for a period of at least 45 days. The RMP may be reviewed during normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

June 17, 2003 228735

Funeral SERVICES DIRECTORY

TO ADVERTISE, CALL (408) 920-5370

Catering Services

ANDY'S BAR-B-QUE 408 378-2838
Restaurant and Catering, Est '65.www.andysbbq.com

VIAGGIO RESTAURANT 408-741-5300
14550 Big Basin Way Saratoga
www.viaggiorestaurant.com

A PROFESSIONAL CATERING COMPANY
SAVORY & SWEET
408 245-4712 www.savoryandsweet.com

Cemeteries

CEMETERY PROPERTY RESALES
Guaranteed Lowest Prices
Oak Hill - Los Gatos Brkr 650/372-0795

Cremation Services

ALAMEDA FAMILY
SARATOGA-CUPERTINO FUNERAL HOME
FUNERALS • SHIPMENTS • CREMATIONS
408-257-6262 saratogafuneral.com FE1215

Florists

PARADISO'S BLOSSOM FLORAL SHOP INC
Creating Flowers to Speak Emotions.
386 S. 1st St., SJ 408 293-5232

Florists

CITTI'S FLORIST - Family Operated
10% OFF DISCOUNT 5 Convenient Locations
MENTION AD FOR FREE DELIVERY
Se Habla Espanol 408 371-7000

Funeral Homes

ALAMEDA FAMILY
SARATOGA-CUPERTINO FUNERAL HOME
FUNERALS • SHIPMENTS • CREMATIONS
408-257-6262 saratogafuneral.com FE1215

Funeral Supplies & Services

APPRAISALS & ESTATE LIQUIDATION SVC
Expert Appraisers & Auctioneers
A1AUCTIONSERVICE.COM 408 292-6800

Monuments

CUSTOM GRANITE MONUMENTS
NEW & ON-SITE Sandblasting
Superior Service/Fast Delivery
WALTON & CO. 408-358-1320

MONTEREYSAILINGCHARTERS.COM
A MEMORABLE WAY TO SAY FAREWELL
831-372-6603

Willow Glen Funeral Chapel
SUCCESSOR TO W.B. WARD CO. • ESTABLISHED 1888

Families serving families:
Don & Monica Payne,
Bob Idemoto,
Bob Finucane
1039 Lincoln Ave.
San Jose, CA 95125
408-295-6446
FD-813

Opinion

EDITORIAL BOARD | JOE NATOLI *President and Publisher* | DAVID M. YARNOLD *Editor and Senior Vice President*

Barbara Marshman *Associate editor*
Phil Yost *Chief editorial writer*
Patty Fisher *Editorial writer*
Barbara Egbert *Editorial writer*
John Fensterwald *Editorial writer*
Miguel Helft *Editorial writer*
Sharon Noguchi *Editorial writer*
Daniel Sneider *Foreign affairs columnist*
Joe Rodriguez *Columnist*
Jim Braly *Commentary editor*
John Swartley *Letters editor*

A road map for budget peace

Business reforms could hold the key; sales tax not the answer

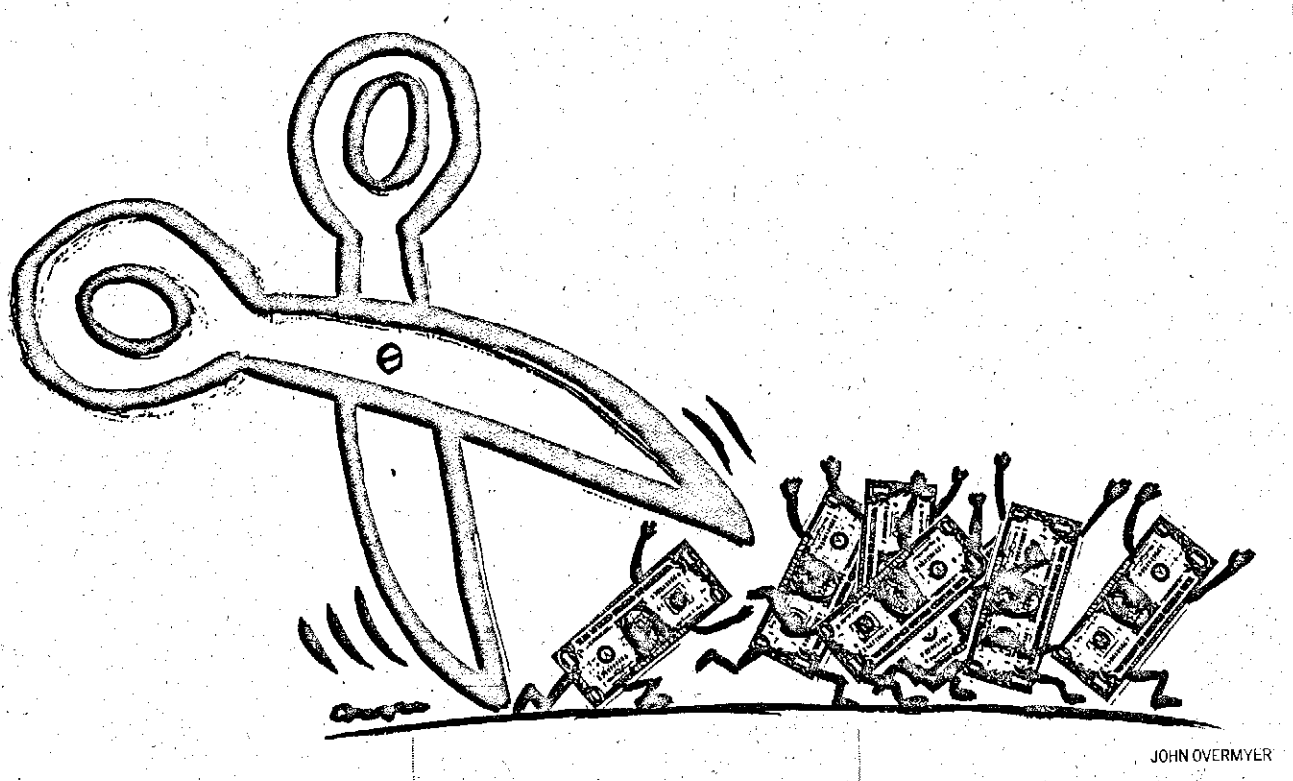
TWO weeks. Two weeks are what remain for the Legislature and Gov. Gray Davis to prove they are up to the job Californians elected them to do — pass a state budget.

July 1, when the current budget will have expired, is the day by which California needs a budget to avoid financial turmoil and to prevent Wall Street from writing California off as a ne'er-do-well. It is the day by which Californians deserve some evidence that their government, when it absolutely has to, can walk and chew gum at the same time.

Editorial
The opinion of the Mercury News

A $38 billion budget shortfall presents enormous challenges — but not insurmountable ones. The gap can be bridged with some creative compromising, and some frank talk to Californians that explains the sacrifices that will have to be made.

The principal hang-up in the budget negotiations has been Republican opposition to any new taxes. Since taxes require two-thirds approval, Republicans effectively have veto power.



JOHN OVERMYER

It's time for the GOP to yield a little and look for concessions from Democrats in another area, the state's ailing business climate.

The business community understands the need for a solid education system. It is clamoring for public investments in transportation. Both require taxes.

Business is looking for relief from excessive worker's compensation premiums, high unemployment insurance costs and restrictive overtime rules. Republicans could seek those reforms from Democrats in return for some modest tax hikes.

Even an agreement reached along those lines will have a cobbled-together feel. The gravity of the budget crisis offered political cover for difficult budget reforms, but that opportunity was squandered months ago. Too few cuts were enacted and no taxes were increased. The delay has made writing the next budget that much harder.

What legislators and the governor now have left are choices from the second-best menu.

The biggest second-best choice is $10 billion in deficit-rollover bonds, which have support in both parties — because they stretch the pain over five years.

The two parties disagree on whether a new tax is needed to finance the bonds. Whatever might be legally possible, the better course both financially and in policy is to back the bonds with a new tax. Otherwise, state programs will have to be cut too deeply to find funds to pay back the bonds.

The leading tax candidate is a temporary half-cent boost in the sales tax. But a better choice would be a hike at the top end of the income tax. Those who would pay it could better afford it; they're getting a tax cut from President Bush — and state income taxes are deductible from federal taxes.

Eventually, Democrats and Republicans will have to make the best of a bad situation. A year ago, they bickered until September. The budget didn't get any better, it just got later.

Two weeks remain. Two weeks is plenty. What's in short supply is not time, but leadership.

Back to the future in Sunnyvale

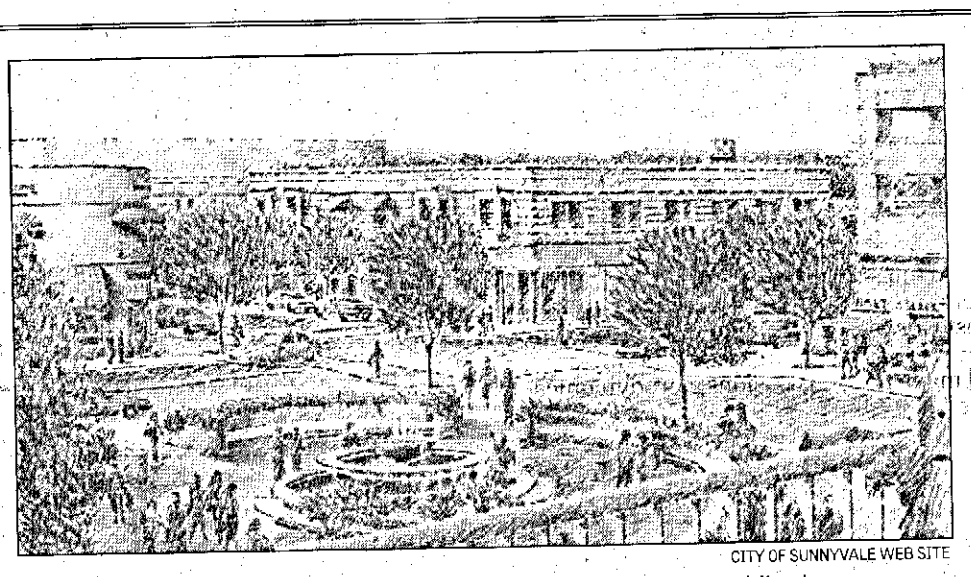
SUNNYVALE — a classic California suburb, and proud of it — has a chance to create something most suburbs sadly lack: a *there* there.

Which is to say, a downtown. A real downtown — with shady streets, shops and sidewalk cafes, department stores and movies, and a lovely town square in its midst.

Editorial
The opinion of the Mercury News

Tonight the city council should take the first step toward making this happen. It should approve the proposed downtown design plan, concluding nearly two years of public debate, study and compromise.

Approving the plan commits no public money to downtown development, although the city could invest in public facilities. The idea is to stimulate private investment. Still, the ideas have a good chance of being carried out. That's because of the bankruptcy and imminent sale of the Town Center mall — the ugly hulk that replaced much of the original downtown in the 1970s.



CITY OF SUNNYVALE WEB SITE

This drawing from the downtown design plan shows an idea for a public plaza near Macy's, a part of the Town Center mall that would remain.

The plan calls for leveling parts of the mall and rebuilding streets and sidewalks through the property. The likely buyer, the Forum Development Group, says it's on board with this idea — and no wonder.

All over the country, dead or dying shopping centers are being reborn as real town centers. From Mizner Park in Florida, to Mashpee Commons near Boston, to Cityplace in Long Beach, these places are popular and profitable.

It's the formula San Jose's Santana Row hopes to capitalize on. But Sunnyvale's location has the advantage of being an actual downtown. It would build on the charm of Murphy Avenue, the one block of the original downtown that survives.

Still, the plan has been controversial. A group called Friends of Sunnyvale tried to get initiatives on the ballot to limit development. Its plan would have provided no incentive for developers to invest in the area. But the group did influence the final plan, which has lower height limits and fewer housing units than originally proposed.

Castro Street in Mountain View doesn't have a Macy's. Downtown Palo Alto has no real town square. Sunnyvale could have it all — and still be the mostly suburban city of lovely parks and quiet neighborhoods that its residents want to protect.

SEIU sets example for closing deficit

NO matter how many times you run the numbers, there's no way Santa Clara County can close a $160 million budget gap without layoffs or wage cuts.

When that reality finally sank in, members of the county's largest labor union made a bold choice: They agreed to give back their raises in order to preserve jobs.

Editorial
The opinion of the Mercury News

The deal with SEIU Local 715, which represents about 8,000 county workers, is good for the Valley. While the $5 million it saves is a mere dent in the deficit, giving back a contracted raise is a significant concession. Preventing layoffs will mean better service for the public. Most important, the union recognizes that it must play a greater role in fixing the budget problem than just begging to be spared any pain. They've set the bar for other local unions — notably public safety officers — and for state workers.

According to the agreement worked out with the county last week, Local 715 workers who were supposed to get a 3.5 percent raise next week will get only 2 percent. In return, the county agreed not to lay off about 400 workers or add any new non-union contract workers.

The rest of the raise has been deferred until November, assuming the money is there after the state budget is resolved. It's quite possible that further concessions will be necessary. But between now and then, other employees — labor and management — need to follow Local 715's lead. Belt-tightening is fair only if it's spread around.

Surely, a little insider trading can't hurt? Think again

By Howard Kalt

ISN'T insider trading really a victim-less crime?

Don't most people get away with it?

Besides, what's the chance of a little fish getting caught when more than 85 million Americans invest in stocks, mutual funds, retirement plans or deferred compensation plans?

The answers to the above: Hardly. No. And better than you think.

Although company officers, directors and rank-and-file employees can legally buy or sell their company's stock under certain conditions, trading by anyone with inside information is illegal. Over the years, charges against "little fish" — lawyers, engineers, commercial printers, outside consultants, psychiatrists, spouses, children and friends of "tipsters" — have resulted in civil suits carrying significant financial penalties, humiliation and criminal charges of up to 10 years in prison.

As for the popular misconception that most transactions are not big enough for questionable trades to be uncovered — it's simply not true.

Martha Stewart sold just 4,000 shares out of 7.7 million Imclone shares traded on Dec. 27, 2001. Lower-profile cases have included:

- A chief financial officer's wife advising her adult children to buy prior to announcement of a major company development — then sell when she learned the development fell through.
- A technology company engineer investing prior to public announcement of a major strategic partnership.
- An outside lawyer making two 1,000-share purchases based on his indirect knowledge of merger negotiations.
- An investor relations consultant who made several small trades in client stocks and later told the SEC she had no inside information.
- A financial printer who figured out the code names being used in merger documents he was printing.

The stock exchanges won't discuss their monitoring of transactions and trading patterns, but they examine thousands of transactions and bring several hundred suspicious trades to the SEC's attention each year. In addition, regulators can pay a 10 percent bounty for insider trading tips, while the FBI uses a telephone hotline and Web site to gather information.

The stock exchanges won't discuss their monitoring of transactions and trading patterns, but they examine thousands of transactions and bring several hundred suspicious trades to the SEC's attention each year.

The final weapon is technology. The exchanges monitor every company's trading activity prior to major announcements or unexplained stock price and volume fluctuations. They use computer modeling and data analysis software to build trading profiles for each stock.

For example, a stock suddenly tripling in volume from one day to the next, as Imclone did on Dec. 26-27, gets the exchange's attention. The staff then determines whether the activity could have resulted from company or industry news, an analyst report, or some other reasonable public explanation.

If not, the brokerage firms handling either side of transactions are asked to provide information about the trades and the customers involved in them. Interviews of brokers, investors and company employees soon follow in an attempt to establish an improper relationship.

Computer databases containing public information identify any links between investors and possible information sources from within the company. For example, NASDAQ's SONAR text mining and artificial intelligence system examines internal regulatory data, public records, up to 10,000 news stories a day and even Internet message boards.

If suspicions play out — and the exchanges stress that neither the size of the company nor the size of the suspicious transaction matter — the exchange alerts the SEC, the other exchanges, and the Security Investor Protection Corp. to jointly develop evidence for a case.

Companies can help their executives, employees and vendors avoid getting snared. A written, regularly updated policy statement is a good beginning. Other steps include: advance approval for trades by personnel at sensitive levels; written acknowledgments from those with access to sensitive information; and periodic refresher courses particularly for those who face the public frequently.

Howard Kalt is a principal of Kalt, Rosen & Co., a San Francisco investor relations consulting firm.

HMCD Application Coding and Computer Input Document (CID)

(Information in Red Font Requires Data Entry)

☐ New Facility ☐ Add Program(s)/Permit(s) ☒ Modify Program(s)/Permit(s) ☐ Invoice Adjustment

Facility Name: **Lumileds Lighting, LLC** PR. 2353 TO 2357 6/07 P/E CHANGE

Site Address: **370 W. Trimble Rd** City: **San Jose**

FACILITY: Facility ID: **252744** Facility Owner ID: 405039

Care of: City Code: BILLING CYCLE: ~~7/1/04 - 6/31/08~~

Postal Address (line 1): PRORATED CHARGE: 1YR

Postal Address (line 2): P/E: 2357 - $ 1114.00 ✓

City: State: Zip: P/E: 5801 - $ 270.00 ✓

Business Code: Business Type: P/E: ~~Last HMIRRP:~~

P/E:

GENERAL HEALTH PROGRAM & GENERAL PERMIT:

log 8/7/06

Designated Employee (Inspector): Mail to:

Set Date of Last Billing as: for effective

Program (PR) or Tank (TA) Record ID	Program Element	Current Status	Discount Code	Permit Status	Permit Type
PR0372265	2351	04 - Active, Exempt fro	0 - No Discount	18 - Billed by San Jose	P - Permanent

Heather 8/7/06

Create Special Program/Surcharge Records: 5801 - State CalARP Service Fee

☐ Other: PE(s)

Permit is Valid from: Permit is Valid to:

SWITCH:

	Owner Name	Owner ID #	Facility ID #	Program ID #	Permit ID #	Account ID #
From:						
To:						

ACCOUNTING: Account ID: 125451 Bill/Rebill Now?

Account Status: Set A/R Mailing Code To: 22.00

Fiscal Adjustment Information:

Invoice ID: Adjusted Amount: $ 805.00 Invoice ID: 88093 Adjusted Amount: 267.00

Reason(s) for Adjustment: *(Check all that apply)*

☐ Close Account; ☐ Delete Charge; ☐ Ownership Change; ☐ Refer to DOR; ☐ Refund; ☐ Waive Delinquency;

☐ Transfer Payment FROM Invoice ID TO Invoice ID

☐ Other (describe): Let San Jose Fire Dept know to start billing for PE 2351 and PE 5801. on 8/1/07

COMMENTS: Facility subject to CAL ARP Program 3 and state CAL ARP Surcharge Fee.

County to Bill, ~~Thurmond~~ (County Permit ~~6/1/06 - 5/31/07~~ 7/1/06 - 6/30/07)

Prepared by: Ruben Williams **Date:** 8/7/2006

Lead/Manager Initials: NP **Date:** 8/7/06 **Input by:** 10096 **Date:** 8/01/06

HMCD-027 - 1/1 Bill for $805.00 Rev. 03/13/06

SANTA CLARA COUNTY-DEPARTMENT OF ENVIRONMENTAL HEALTH
1555 BERGER DR, SUITE 300
SAN JOSE, CA 951122716 408-918-3400

BILLING STATEMENT

RE : PHILIPS LUMILEDS LIGHTING CO
370 W TRIMBLE RD 91BJ
SAN JOSE

TO . PHILIPS LUMILEDS LIGHTING CO
COLE, MITCH
350 W. TRIMBLE ROAD
SAN JOSE, CA 95131

Account ID: AR1256561
Facility ID: FA0252744
Account Balance: $ 16,094.25

* * Recent payments may not be reflected on this statement * *

FOR PROPER CREDIT, PLEASE CUT HERE AND RETURN TOP PORTION WITH YOUR PAYMENT. Print Invoice # on check.

Date	Program/ Element	Description		Amount
Account ID:	AR1256561	**Facility ID:**	FA0252744	
Invoice #IN0880963	---	**Date of Invoice : 8/7/2006**		
08/07/06	2351	CAL ARP - PROGRAM 3		$ 1,114.00
		AGILENT TECHNOLOGIES INC	PR0372265	
08/07/06	9997	CORRECTION TO A CHARGE		$ -22.00
		OLD FEE PT0455755		
08/07/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES		$ -287.00
		PAID THRU CITY OF SJ/PE CHANGE 2351 PT0455755		
09/11/06	9994	PENALTY. FAILED TO PAY PERMIT FEE		$ 201.25
09/18/06	9999	PAYMENT		$ -603.75
		PT0455755		
09/18/06	9999	PAYMENT		$ -201.25
			Total for This Invoice:	**$ 201.25**
Invoice #IN0882107	---	**Date of Invoice : 8/24/2006**		
08/24/06	2209	GENERATES 250 TO <500 TONS/YR		$ 19,866.00
		LUMILEDS LIGHTING US LLC-HW	PR0367934	
08/24/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES		$ -3,973.00
		P/E CHANGED FR 2208 TO 2209/DIFF PT0452825		
			Total for This Invoice:	**$ 15,893.00**

Your Account's Information as of 10/31/2006 is

1 - 30 Days	31 - 60 Days	61 - 90 Days	91 - 121 Days	121+ Plus	**Amount Due**
$ 24.00	$ 15,869.00	$ 201.25	$ 0.00	$ 0.00	**$ 16,094.25**

payable in the amount listed above. To avoid penalties, PAYMENT MUST BE RECEIVED BEFORE the expiration date of your existing permit or within 30 days from the invoice date.

SANTA CLARA COUNTY-DEPARTMENT OF ENVIRONMENTAL HEALTH
1555 BERGER DR, SUITE 300
SAN JOSE, CA 95112-2716 408-918-3400

INVOICE

RE :PHILIPS LUMILEDS LIGHTING CO
370 W TRIMBLE RD 91BJ
SAN JOSE, CA 95131

PHILIPS LUMILEDS LIGHTING CO
JULIE NEWMAN
350 W. TRIMBLE ROAD
SAN JOSE, CA 95131

Account Number	Date
AR1256561	8/7/06

Invoice ID	Facility ID
IN0880963	FA0252744

Amount
$ 805.00

FOR PROPER CREDIT, PLEASE CUT HERE AND RETURN TOP PORTION WITH YOUR PAYMENT

Account ID: AR1256561 Facility ID: FA0252744

Date	Program/ Element	Description		Amount
08/07/06	2351	CAL ARP - PROGRAM 3 AGILENT TECHNOLOGIES INC PR0372265	$	1,114.00
08/07/06	9997	CORRECTION TO A CHARGE OLD FEE	$	-22.00
08/07/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES PAID THRU CITY OF SJ/PE CHANGE 2351	$	-287.00
		Total for This Invoice:	$	805.00

Account Summary (Including This Invoice) :

1-30 Days	31-60 Days	61-90 Days	91-120 Days	121+ Plus	Amount Due
$ 805.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 805.00

Your Environmental Health Permit Fee is now due and
payable in the amount listed above. To avoid penalties, PAYMENT MUST BE RECEIVED BEFORE
the expiration date of your existing permit or within 30 days from the invoice date.

Mitchell Cole
<mitchell.cole@philips.com>

11/02/2006 09:19 AM

To: ruben.williams@deh.co.santa-clara.ca.us
cc:
Subject: Payment of fees Philips Lumileds

Mr. Williams:

Payment of $16,118.25 for Cal ARP program and Hazardous Waste Generator status will be mailed on 11/10 with an expected delivery date of 11/15/2006.

If you have any questions, please feel free to give me a call.

Sincerely,

Mitch Cole
Environmental Engineer

408-964-2562

SANTA CLARA COUNTY-DEPARTMENT OF ENVIRONMENTAL HEALTH
1555 BERGER DR, SUITE 300
SAN JOSE, CA 951122716 408-918-3400

BILLING STATEMENT

RE : PHILIPS LUMILEDS LIGHTING CO
370 W TRIMBLE RD 91BJ
SAN JOSE

TO : PHILIPS LUMILEDS LIGHTING CO
COLE, MITCH
350 W. TRIMBLE ROAD
SAN JOSE, CA 95131

Account ID: AR1256561
Facility ID: FA0252744
Account Balance: $ 16,094.25

* * Recent payments may not be reflected on this statement * *

FOR PROPER CREDIT, PLEASE CUT HERE AND RETURN TOP PORTION WITH YOUR PAYMENT. Print Invoice # on check.

Date	Program/ Element	Description		Amount
Account ID:	AR1256561	**Facility ID:** FA0252744		
Invoice #IN0880963	---	**Date of Invoice : 8/7/2006**		
08/07/06	2351	CAL ARP - PROGRAM 3	$	1,114.00
		AGILENT TECHNOLOGIES INC PR0372265		
08/07/06	9997	CORRECTION TO A CHARGE	$	-22.00
		OLD FEE PT0455755		
08/07/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES	$	-287.00
		PAID THRU CITY OF SJ/PE CHANGE 2351 PT0455755		
09/11/06	9994	PENALTY. FAILED TO PAY PERMIT FEE	$	201.25
09/18/06	9999	PAYMENT	$	-603.75
		PT0455755		
09/18/06	9999	PAYMENT	$	-201.25
		Total for This Invoice:	**$**	**201.25**
Invoice #IN0882107	---	**Date of Invoice : 8/24/2006**		
08/24/06	2209	GENERATES 250 TO <500 TONS/YR	$	19,866.00
		LUMILEDS LIGHTING US LLC-HW PR0367934		
08/24/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES	$	-3,973.00
		P/E CHANGED FR 2208 TO 2209/DIFF PT0452825		
		Total for This Invoice:	**$**	**15,893.00**

Your Account's Information as of 10/31/2006 is

1 - 30 Days	31 - 60 Days	61 - 90 Days	91 - 121 Days	121+ Plus	Amount Due
$ 24.00	$ 15,869.00	$ 201.25	$ 0.00	$ 0.00	**$ 16,094.25**

payable in the amount listed above. To avoid penalties, PAYMENT MUST BE RECEIVED BEFORE the expiration date of your existing permit or within 30 days from the invoice date.

COPY

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Lumileds Lighting, LLC

Name of Corporate Parent Company (if applicable): Joint Venture of Agilent Technologies and Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810W Number of Full Time Employees at Facility: 450

E-Mail Address of Primary Emergency Contact: r_miller@agilent.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: June - July 2003 Fire and Life Safety Inspection

Name of Agency Which Conducted Safety Inspection: San Jose Fire Department

Name of Contractor Who Helped or Will Help Prepare RMP: EORM, Inc.

Contractor Mailing Address: 283 E Java Drive, Sunnyvale, CA 94089 Phone No: (408) 822-8120

Person or Position with Overall Responsibility for RMP Elements and Implementation	
Name: Mitch Cole	➢ Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
Title/Position: Environmental Specialist	➢ Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
Phone No.: (408) 435-4205	➢ Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note. Additional space is provided on reverse of this page)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process	
Ammonia (anhydrous)	7664-41-7	4,000 (y-cylinders)	3679	TBD by CUPA	2
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3679	3	
Chlorine (gas)	7782-50-5	270 (3 cylinders)	3679	TBD by CUPA	2

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: [signature] Date Executed: 3/21/05

RISK MANAGEMENT PLAN REVIEW PROCESS

FACILITY INFORMATION

Facility Name: Lumileds Lighting

Facility Address: 370 W. Trimble Rd *City* San Jose *Zip* 95131

Contact Person Mitch Cole *Telephone #* (408) 435-6004 1-408-964-2862

INITIAL PUBLIC NOTICE

☑ Public notice published in the local newspaper stating that RMP has been submitted.

Date: 8/27/05 Newspaper: San Jose Mercury

DEFICIENCY NOTICE

☐ RMP reviewed for all elements.

☐ Written notice provided to owner of any deficiencies. Date: ___/___/___

☐ Resubmission of corrected/revised RMP (within 60 calendar days of written notice).

Date: ___/___/___

☐ 30 Calendar day extension requested.

☐ No deficiency found-RMP is complete. Completion Date: ___/___/___

FORMAL PUBLIC REVIEW

☑ Public notice published for formal public review. Date: 7/13/06 (Within 15 days of RMP completion date.)

☐ Ending date of public comments. Date: 8/3/06 (45 calendar days to comment.)

Newspaper: SJ Mercury

Comments: _____

_____

_____

EVALUATION REVIEW

TO BE COMPLETED WITHIN 24 MONTHS FOR PROGRAM 3.

☐ Public comments are considered. Evaluation includes: Standard application of engineering; scientific principles; site specific characteristics; technical accuracy; severity of offsite consequences.

☐ Inspection and onsite document reviewed.

Dates: ____/____/____ ____/____/____ ____/____/____

Comments: _____

_____

_____

TO BE COMPLETED WITHIN 36 MONTHS FOR PROGRAMS 1 AND 2.

☐ Public comments are considered. Evaluation includes all above noted elements.

☐ Inspection and onsite document reviewed.

Dates: ____/____/____ ____/____/____ ____/____/____

☐ Public access of public disclosure documents in the office.

Comments: _____

_____

_____

STAFF ASSIGNED

HMCD Staff Assigned to Facility: _____

The Mercury News
The Newspaper of Silicon Valley
750 RIDDER PARK DRIVE, SAN JOSE CA 95190-0001
D-U-N-S 00-916-7701

DAILY NEWS GROUP
Palo Alto Daily News · San Mateo Daily News · Redwood City Daily News · Burlingame Daily News · Los Gatos Daily News · East Bay Daily News

COMMUNITY NEWSPAPERS

ADVERTISING
INVOICE and STATEMENT

Statement Date
7/31/06

Billed Account Number	Advertiser / Client Number
1006336	1006336

Billed Account Name and Address	Billing Period	Advertiser / Client Name
S C COUNTY ENVIRONMENTAL 1555 BERGER DRIVE #300 SAN JOSE, CA 95112-0000	6/26/2006 - 7/30/2006	S C COUNTY ENVIRONMENTAL
	Terms of Payment	**Total Amount Due**
	Due Within 15 Days	304.01

040000001006336600000106073100003040 15

PLEASE DETACH AND RETURN UPPER PORTION WITH YOUR REMITTANCE

DATE	REFERENCE	DESCRIPTION OTHER COMMENTS/CHARGES	INCHES/ LINES	TIMES	RATE	GROSS AMOUNT	NET AMOUNT
6/25/06		Balance Forward				0.00	0.00
7/13/06	1942388-071306	Display ROP - SJMN HO70002/1942388 PUBLIC NOTICE	3.50	1	86.86	304.01	304.01

Thank you for advertising with the Mercury News

Copy FYI from Nicole

1198

Original

OKAY TO PAY
Nicole Pullman
Nicole P.

SANTA CLARA COUNTY
DEPT. OF ENV. HEALTH
2006 AUG -3 PM 4:30

STATEMENT OF ACCOUNT Aging of Past Due Amounts **MAKE CHECKS PAYABLE TO : THE MERCURY NEWS**

Current Charges	30 Days	60 Days	Over 90 Days	TOTAL AMOUNT DUE
304.01	0.00	0.00	0.00	304.01

Credit Representative / Telephone Number	Sales Representative / Telephone Number	Dist
Ngan Vu (408) 920-5946	Gwen Robinson (408) 920-5332	Mail

San Jose Mercury News 750 Ridder Park Dr., San Jose CA 95190

*Unapplied amounts are included in over 90 dayse

Date	Billing Period	Billed Account Number	Advertiser / Client Number	Advertiser / Client Name
7/31/06	6/26/2006 - 7/3	1006336	1006336	S C COUNTY ENVIRONMENTAL

COUNTY OF SANTA CLARA

Santa Clara County Department of Environmental Health
Environmental Resources/Hazardous Material - Ruben Williams
1555 Berger Drive
San Jose, CA 95112
Legal Ad No. 1942388

STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings: and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscriptiou list of paying subscribers,and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

July 13,2006

Dated at San Jose, California
this 13th day of July,2006
I declare under penalty of perjury that the foregoing is true and correct.

Signed.....
Principal clerk of the printer and publisher of the San Jose Mercury News.

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, 370 West Trimble Road in San Jose for the chemicals Anhydrous Ammonia and Chlorine Gas. After review by the County of Santa Clara, the RMP was found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning July 15, 2006 and will continue for a period of at least 45 days. The RMP may be reviewed during the normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716 (408) 918-3400

July 13, 2006 1942388

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Lumileds Lighting, LLC

Name of Corporate Parent Company (if applicable): Joint Venture of Agilent Technologies and Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58.764N Longitude: 121:56:1.810W Number of Full Time Employees at Facility: 450

E-Mail Address of Primary Emergency Contact: r_miller@agilent.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: June - July 2003 Fire and Life Safety Inspection

Name of Agency Which Conducted Safety Inspection: San Jose Fire Department

Name of Contractor Who Helped or Will Help Prepare RMP: EORM, Inc.

Contractor Mailing Address: 283 E. Java Drive, Sunnyvale, CA 94089 Phone No.: (408) 822-8120

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Specialist

Phone No.: (408) 435-4205

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? [X] Yes; [ ] No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? [X] Yes; [ ] No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? [ ] Yes; [X] No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process	
Ammonia (anhydrous)	7664-41-7	4,000 (y-cylinders)	3679	TBD by CUPA	2
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3679	3	
Chlorine (gas)	7782-50-5	270 (3 cylinders)	3679	TBD by CUPA	2

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name (Print): Mitch Cole

Owner/Operator Signature: [signature] Date Executed: 3/21/05

"Cindy Cox"
<coxc@eorm.com>
03/29/2005 03:16 PM

To: <Ruben.Williams@deh.co.santa-clara.ca.us>
cc: <Nicole.Pullman@deh.co.santa-clara.ca.us>
Subject: CalARP registration form for Lumileds San Jose facility attached.

Dear Ruben,

Attached please find a scanned copy of the updated CalARP registration form for the Lumileds facility located at 370 W. Trimble Road in San Jose. There have been some delays associated with this project. However, we are finally prepared to submit this registration form.

At your convenience, we would like to schedule an in-person meeting with you to review and discuss the proposed bulk ammonia expansion project, including a review of the preliminary hazard analysis that was conducted for the system, as it pertain to RMP requirements. We will bring the original signed copy of the CalARP registration form to the meeting. Please let us know what your availability is to meet in the near future.

Thank you,
Cindy Cox

Cindy Labaniego Cox, CHMM
San Diego Operations Manager
Principal Consultant

EORM, Inc.
~*~*~*~*~*~*~*~*~*~*~*~*~
(858) 273-5148 phone
(858) 273-5296 fax
E-mail: coxc@eorm.com

Check out our website at http://www.eorm.com

<<Lumileds CalARP updated registration form March 2005 jpg>>

Lumileds CalARP updated registration form March 2005.jpg

HMCD Consultation/Service Request Project Billing Record

General Information

Facility Name: Lumiled Lighting LLC Facility ID: 252744 Account #: _____ or

Billing Contact: Dan Thongs Company: Lumiled Lighting LLC

Billing Address: 370 W. Trimble Road City: San Jose Zip: 95131

SR #: 81902 Comment*: Program Element # 23599

* Provide a brief comment (35 characters maximum) to be printed on the invoice to describe services being billed.
Review of RMP Submission and newspaper publications

Activities Being Billed: (Use reverse side of form if needed)

Total Consultation/Reinspection Minutes (from back):* _____ / 60 minutes per hour = Total Hours to be Billed: _____

☐ **Plan Check Fee:** PE: _____ Fee Amount: $ _____

☐ **Closure Permit Fee:** PE: _____ Fee Amount: $ _____

☐ **Hourly Charge:** PE:[1] _____ Total Hours:[2] _____ X Rate: $~~99.00~~ 113.00 = Total Amount $ _____

☐ **Other:** PE: _____ Fee Amount: $ _____

Staff Initials: _____ Date: _____ Lead/Manager Initials: _____ Date: _____

Input By: _____ Date: _____ Invoice No. _____

1. Generator Program – 2293, Storage Program – 2393, Tiered Permit Closure – 2269, Toxic Gas Inspection – 2369
2. Total Minutes Billed Rounded to Nearest Half Hour.

Consultation/Inspection/Reinspection Activities Being Billed:

Date	Staff	Minutes

Date	Staff	Minutes

Date	Staff	Minutes

Total Minutes: _____

PROOF OF PUBLICATION

San Jose Mercury News

750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190

IN THE
City of San Jose
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

Department of Environmental Health
Rosemarie Ryan
1555 Berger Dr., Bldg. 2, Suite 300
San Jose, CA 95112
Legal Ad No. 1487296

STATE OF CALIFORNIA)
) · SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

August 27,2005

PUBLIC NOTICE
Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Variety Metal Finishing, Inc. 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

August 27, 2005 1487296

Dated at San Jose, California
this 29th day of August,2005
I declare under penalty of perjury that the foregoing is true and correct.

Signed.....
Principal clerk of the printer and publisher of the San Jose Mercury News.

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Variety Metal Finishing, Inc., 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

Direct Pay Purchase Order

23 August 2005

Cost Center: 1198 - HMCD **GLA:** 5250700 - Printing - Ext.
Div./Prog./Requestor: Ruben Williams
Customer #:

PURCHASE ORDER #: H060021

Vendor:	San Jose Mercury News	**Phone #:**	408-9205332
Contact:	Gwen Robinson	**Fax #:**	408-9205271
Address:	750 Ridder Park Drive San Jose, CA		

Please enter our order as follows:

1. Qty: 1 Units: EA Cost/Unit: **$500.00**
   Model / Catalog #:
   Description: **Public notification ad to be placed at earliest date. Ad to be placed once. Send proof of publication with invoice.**
2. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:
3. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:
4. Qty: Units: Cost/Unit:
   Model / Catalog #:
   Description:

Total Amount of Purchase Not to Exceed: $600.00

SHIP TO:

Department of Environmental Health
Attn: Kristi Nguyen, Tel #(408) 918-3427
1555 Berger Dr., Bldg. 2, Suite 300
San Jose, CA 95112

BILL TO:

Department of Environmental Health
Attn: Rosemarie Ryan, Tel #(408) 918-3418
1555 Berger Dr., Bldg. 2, Suite 300
San Jose, CA 95112

Prepared By: Kristi Nguyen, Sr. Office Specialist **Date:** 08/23/05

Admin. Approval: Elizabeth Colin, ASO I **Date:** 08/23/05

INVOICES MUST ITEMIZE ALL MERCHANDISE, TAX, SHIPPING AND HANDLING.

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Peter Kutras, Jr

Department of Environmental Health
Purchasing Request

Requestor Name: Ruben Williams **Division/Program:** 1198

To be provided by purchasing support staff.

Check One: ☒ **Purchase Request** ☐ **Contract Release** ☐ **Direct Pay** ☐ **P-Card**
Cost Center: 1198 - HazMat **GLA:** 5255100 - Professional Special Services **Internal Order:**

Vendor: San Jose Mercury News **Phone #:** 408-9205332
Address: 750 Ridder Park Drive, San Jose, CA
Contact Person: Swen Robinson **Phone #:** ###-###-####
Date Req'd: ASAP Fax: 408-920-5271

1.	**Qty:** 1	**Units:** EA	**Cost/Unit:** $500.00	**Page:**	
	Model / Catalog #:	Public notification ad to be placed at earliest date. Ad to be placed			
	Description:	once. Send proof of publication with invoice.			
2.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
3.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
4.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
5.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
6.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				

Comments or Special Instructions: Newspaper Public article for Cal ARP submittal for the following facilities: Variet Metal Finishing, Inc. 1166 Campbell Avenue, San Jose CA, Jennings Technology, 970 McLaughlin Avenue, San Jose, CA and Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA.

Requested By: Ruben Williams Ruben D. Williams **Date:** 8-22-05
Approved By: Nicole Pullman Nicole E Pullman **Date:** 8/23/05

COUNTY OF SANTA CLARA
DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Resources Agency

Administrative Offices – 1555 Berger Drive, San Jose, CA 95112
408-918-3400 – voice 408-298-6261 – fax
www.EHinfo.org

FAX

To:	Gwen Robinson	**From:**	Ruben Williams 408-918-1885
Fax:	408-920-5271	**Pages:**	1 Cover plus 2 pages
Phone:	408-920-5332	**Date:**	8/23/2005
Re:	Public Notice	**CC:**	Nicole Pullman

x **Urgent** ☐ **For Review** ☐ **Please Comment** x **Please Reply** ☐ **Please Recycle**

- **Comments:**

Gwen

Please call me back with date of publication and cost.

Thanks

Ruben Williams

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

November 5, 2002

INDEX: 1198 ESBJ: 2585

San Jose Mercury News
750 Ridder Park Drive
San Jose, CA

TOTAL AMOUNT OF PURCHASE NOT TO EXCEED $500.00

Please enter our order:

- Public notification ad to placed at earliest date. Ad to be placed once. Send proof of publication with invoice to this office. This is for RMP at Lumiled Lighting.

SHIP TO:

Santa Clara County
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Bldg. 2, Suite 300
San Jose, CA 95112-2716

BILL TO:

Santa Clara County
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Bldg. 2, Suite 300
San Jose, CA 95112-2716

We are unable to make payments without reference to our Purchase Order Number. Please refer to our Order No **H030089** on your packing slip and invoice. Direct payment will be made upon receipt of three copies of your invoice.

If you have any questions please call me at (408) 918-3428.

INVOICES MUST ITEMIZE ALL MERCHANDISE, TAX, SHIPPING AND HANDLING.

Sincerely,

Roberta Hackel / ble

Roberta Hackel
Department of Environmental Health
Hazardous Materials Compliance Division

Monday 11/11/02
2 12.85

directpay rh

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Richard Wittenberg

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	4156	
CONNECTION TEL		9205271
SUBADDRESS		
CONNECTION ID		
ST. TIME	11/05 17:46	
USAGE T	00'26	
PGS. SENT	3	
RESULT	OK	

1555 Berger Drive, Suite 300
San Jose CA 95112
PHONE -918-3400 FAX- (408) 280-6479

Environmental Resource Agency
Dept. of Environmental Health

(2)

Fax

To: Gwen Robinson From: Nicole Pullman 918-1984

Fax: Pages:

Phone: Date:

Re: CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• Comments:

Gwen,

I am faxing three seperate Public Notice. Please let me know cost for each + date of publishing

SANTA CLARA COUNTY-DEPARTMENT OF ENVIRONMENTAL HEALTH
1555 BERGER DR, SUITE 300
SAN JOSE, CA 95112-2716 408-918-3400

INVOICE

RE : PHILIPS LUMILEDS LIGHTING CO
370 W TRIMBLE RD 91BJ
SAN JOSE, CA 95131

PHILIPS LUMILEDS LIGHTING CO
COLE, MITCH
350 W. TRIMBLE ROAD
SAN JOSE, CA 95131

PAID 11/20/06

Account Number	Date
AR1256561	8/7/06

Invoice ID	Facility ID
IN0880963	FA0252744

Amount
$ 0.00

FOR PROPER CREDIT, PLEASE CUT HERE AND RETURN TOP PORTION WITH YOUR PAYMENT

Account ID: AR1256561 Facility ID: FA0252744

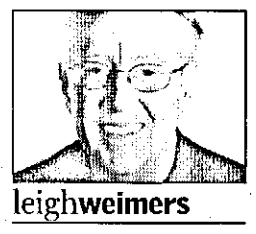
Date	Program/ Element	Description		Amount
08/07/06	2351	CAL ARP - PROGRAM 3 AGILENT TECHNOLOGIES INC PR0372265	$	1,114.00
08/07/06	9997	CORRECTION TO A CHARGE OLD FEE	$	-22.00
08/07/06	9935	CREDIT ADJUSTMENT FOR PROGRAM CHANGES PAID THRU CITY OF SJ/PE CHANGE 2351	$	-287.00
09/11/06	9994	PENALTY, FAILED TO PAY PERMIT FEE	$	201.25
09/18/06	9999	PAYMENT	$	-603.75
09/18/06	9999	PAYMENT	$	-201.25
11/20/06	9999	PAYMENT	$	-201.25
		Total for This Invoice:	$	0.00

Account Summary (Including This Invoice) :

1-30 Days	31-60 Days	61-90 Days	91-120 Days	121+ Plus	Amount Due
$ -24.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ -24.00

Your Environmental Health Permit Fee is now due and
payable in the amount listed above. To avoid penalties, PAYMENT MUST BE RECEIVED BEFORE
the expiration date of your existing permit or within 30 days from the invoice date.

New symphony group already out of tune



leighweimers

Here's the fledgling Symphony San Jose Silicon Valley, less than two weeks before its first concert on Nov. 23, and oops — a printing foul-up delays the group's charter-subscriber materials. That means the ticket-sales package has only just gone out in the mail, says Executive Director **Andrew Bales**. If you're planning to attend, he urges a quick response to (408) 288-2800 to secure seats, and says the box office will be open on the weekend to accommodate patrons. "But I'm worried," he confides, "about a customer service nightmare if all the orders come in the last week and we have a will-call line stretching for miles." Be cautioned.

It's a different problem for local attorney **Steve Von Till** and his wife **Beth**, communications studies professor at San Jose State University. They're splitting their time between San Jose and San Francisco to watch their musical children perform. Daughter **Katherine** is playing Ellen in "Miss Saigon" in the current production by American Musical Theater of San Jose. Son **Steve Jr.** is hosting and performing in a music festival — "Beyond the Pale 2002" — Thursday through Sunday at the DNA Lounge in S.F.

FOOD AND BEVERAGE: Celebrity chef **Wolfgang Puck** plans to stop by his Spago Palo Alto restaurant Tuesday from 4-6 p.m. to sign copies of his new cookbook, "Live, Love, Eat!" What makes this more than the usual book-signing is that the restaurant will offer goodies from the book's recipes. (If you don't like 'em, don't buy?)

Mick Jagger and **Sheryl Crow** apparently liked the fare at the Jeanty at Jack's bistro in S.F. Jagger polished off tomato soup with a puff pastry lid there, and he and Crow shared the sole. (Which makes them sole singers?)

Next time you're in Diane Rose's Crimson in Los Gatos, check out the other diners' attire. Last time I was there, most of the women in the place were wearing, well, crimson. Hope no one starts a restaurant named Polka Dot.

Good to see Brother **Norbert Korte** back in the saddle. The head honcho at the Jesuits' former Novitiate Winery now is leading an effort to build a museum honoring the art and history of winemaking in Santa Clara and Santa Cruz counties. There'll be a wine-tasting fundraiser toward that end Sunday from 2 to 5 p.m. at the San Jose Woman's Club on South 11th.

MEDIA RARE: If you're watching NBC's "The Today Show" today between 8 and 9 a.m., look for CHP motorcycle guy **Steve Oreglia** and wife **Elizabeth**. Their Willow Glen home is one of six finalists — the only one from California — in a kitchen makeover contest organized by the "This Old House" program. Viewers get to vote online Tuesday and Wednesday at **www.thisoldhouse.com** The winner will be announced Friday, and the Oreglias are hoping they'll come out on top. "We could use a dream kitchen," Steve says. "Ours is still the original from 1958." (Think canary yellow tile, aged appliances.)

The home of MIX 106.5 disc jockey **"King Raffi" Nalvarian** and wife **Karen** has a new addition: a second child, daughter "Princess" **Ani**, born at Los Gatos Community Hospital. "She does have one of her father's major traits," the proud papa says: "A loud set of pipes."

Contact Leigh Weimers at lweimers@sjmercury.com or (408) 920-5547. Fax (408) 288-8060.

FOREVER **YOUNG**

DAVID E. EARLY

Parents share insights on raising children

My request for nuggets of child-rearing wisdom for young parents brought forth an avalanche of insightful advice for the amateurs doing the toughest job of all — parenting.

I asked for real-life, experienced reflections on any aspect of pre-adolescent parenting, but especially public tantrums, discipline and the best ways to raise children to become good people.

A Sunnyvale mom focused on what to do when a child acts out in public. Her edict: No means No.

"No amount of whining, screaming, throwing on the floor, or pleading can change that," she wrote. "Not at home, and most certainly not in a public place. What brought me to this attitude is seeing how children manipulate their parents by playing on their fear of public embarrassment."

And what should one do when entangled by a non-stop public tantrum: "A 140-pound parent can pick up a 35-pound toddler and simply remove them from the situation to a place where everybody can calm down; before the parent loses it," she wrote. "It satisfies the need for doing something, it never fails to startle the child and it relieves stress, which is mostly caused by the disapproving bystanders (whose children would never have a fit)."

And what if a parent snaps?: "The only time someone else's screaming child should become my issue is if the parent gets out of control. A simple, 'Can I help?' can break the cycle, even if the answer is a gruff 'No.' "

A 33-year-old single mother from Santa Cruz said raising her 11-year-old son alone has been a "daunting and mysterious endeavor." She gave up on child-rearing books and such because there was too much conflicting information.

"There was too much consideration given to allowing children their vocal and behavioral freedoms," she wrote. "Give me a break. They're children."

And so when it comes to child-rearing she said, "I'm the Boss. Period."

She is also "an unyielding stickler for manners," who believes kids should use "please" and "thank you," from the time they start talking.

To gain a child's respect parents must offer "love, direction, rules, and pre-stated, age-appropriate" and absolute consequences for misbehavior. Parents must reinforce a child's positive behavior, but children must "own" and apologize for their bad behavior.

Because many young parents have to drag kids along on errands, she offered another technique she used with her son.

"I involve him in my plans . . . and we schedule an hour in the day to do something he would enjoy," she wrote. "The park, an ice cream cone, a video rental. We stick to the plan, and I don't cave in to 'I wants' at every stop."

And finally: "Hugs, kisses, smiles, and love are never withheld." The message even to a difficult child should be, "I love you no matter what, but I am upset with you because I know you can behave much nicer."

A mother of three, with empathetic experience for young parents, zeroed in on another difficult situation with young parents. "Working parent guilt," she wrote, can cause parents to think they have to spend every free moment with the child.

"This leads parents to drag children along to nice restaurants, to (inappropriate) movies and to the mall at every conceivable opportunity," she wrote. "Parents need space, and so do children. No parent should feel guilty about going out occasionally and leaving the child with a good babysitter."

In the end, she wrote, "trust your instincts . . . talk with other parents, with grandparents, and figure out what works for you. Things can be hard when children are small and you feel like there is never enough time. But . . . before you turn around, you will be packing the children off to college and wondering where the years went."

More feedback next week.

Contact David E. Early at foreveryoung@sjmercury.com or (408) 277-3777.

NOTICE OF APPLICATION TO SELL ALCOHOLIC BEVERAGES
Date of Filing Application: October 29, 2002
To Whom It May Concern:
The Name(s) of the Applicant(s) is/are:
AZZURRO INC.
The applicants listed above are applying to the Department of Alcoholic Beverage Control to sell alcoholic beverages at:
108 CASTRO ST.
MOUNTAIN VIEW, CA 94041
Type of License(s) Applied for:
47-ON-SALE GENERAL EATING PLACE
Nov. 4, 11, 18, 2002 5096-L

PUBLIC NOTICE
Risk Management Plan Notification
The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from Lumiled Lighting, 370 West Trimble Road, San Jose, California for the chemicals Anhydrous Ammonia and Hydrogen Flouride. After the County of Santa Clara reviews and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.
County of Santa Clara Department of Environmental Health Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400
November 11, 2002 5119-L

Pacific Inns
Hot Breakfast/ Light Dinner
800.9s.HOTEL pacifichotels.com

Jumbo Conforming Refinance
First Rate Mortgage
Committed to first rate service.
Check out these FIXED RATES
Note Rate 1st ■ Annual % Rate
4.750% 15 Year Fixed 5.179% Cost APR Based on $300,700
5.375% 15 Year Fixed 5.660% Jumbo APR Based on $600,000
www.firstratemortgage.com
888-711-7283
Real Estate Broker California Department of Real Estate License #01025224. ORE information ph. no. 916-227-0931. Rates effective 11/05/02. Rates & APR subject to change
Fixed and Adjustable Rates
Income Cash-Out Purchase Rentals Condo Jumbo Conforming Refinance Fixed and Adjustable Rates

LINCOLN LAW SCHOOL OF SAN JOSE
A Public Benefit Corporation
Open House
Saturday, November 16, 2002
10:00 a.m. – Noon
• Sample Law Class
• A Bachelor's Degree not required for admission
• Affordable Tuition
PLEASE CALL TO RSVP OR FOR MORE INFORMATION
(408) 977-7227
www.lincolnlawsj.edu
One North First Street, San Jose
Lincoln School of San Jose is Accredited by the Committee of Bar Examiners of the State Bar of California

SOD FALL Sale NOW!
QUALITY PRODUCTS GUARANTEED
408-984-1500
HOME TURF SOD
www.hometurfsod.com

BRA SMYTH
THE FIT SPECIALISTS
SAMPLE SALE!
Direct from NY showrooms
BELOW WHOLESALE PRICES
Join us Nov 14th & 15th
8am – 5pm • Thurs & Fri
European Bras from:
• CHANTELLE $20 Reg $60
• WACOAL $20 Reg $50
• LE MYSTERE & more!
Designer Tops
Yoga Pants
Workout Tanks
& Exercise Wear
100 N WINCHESTER BLVD STE 380 3RD FL.
Blue Office Building
(behind & across from Valley Fair Mall)
408.261.9560 Checks & Cash Only!
visit our website at www.brasmyth.com

STORE CLOSING SALE
70% OFF
Final Days! Final Reduction!
Entire inventory of handmade oriental rugs.
Persian, Indian, Pakistani, Afghani, Turkish, Kelims, Chinese, Nepalese and Asian furniture.
From runners to room sizes.
SINCE 1970
OMID ORIENTAL RUGS
SPECIAL TOURS
3939 Stevens Creek Blvd • Santa Clara, CA 95051
(408) 247-5151
MONDAY-SATURDAY 10-8 SUNDAY 12-6 FREE PARKING www.omidorientalrugs.com
The Leader in Quality, Value and Courtesy

THE LASER & COSMETIC CENTER
Botox
Dr. Stuart Melnick specializes in Botox, the quickest way to obtain immediate reduction of:
Forehead Wrinkles– Frown Lines– Crows Feet
Call Today For A FREE CONSULTATION 408.354.7732
$25 OFF YOUR FIRST TREATMENT New patients only
OBAGI
100 S. Santa Cruz Avenue, Los Gatos, CA 95030
www.laserandcosmeticcenter.com

A WORLD GONE MAD!
Antiques & Upscale Furniture
$1,150 $399 2 in stock
$3,950 $799
$1,189 $299
ELEGANT FURNITURE 50%-90% OFF!
$3,985 $1299
$1,699 $599
Top grade Italian leather
$2,750 sofa $999
15 Styles to choose from
$589 $89
$89 $10
$3,350 $699
$57 $6
WHOLESALERS WELCOME
$3,350 $599
$299
$119 $39
Bed and 5 Pieces Your Choice $2985.00
Queen Sleigh Bed $799
King Sleigh Bed $899
Dresser $599
Armoir (2 Pcs.) $699
Nightstand $249 ea.
Chest $589 ea.
Thousands of pieces to choose from!
Open 7 days • 1 mile S. of Alameda • Block to Almaden Plaza
408-293-9420

public notice

Matadero/Barron Creeks Remediation Project

Santa Clara Valley Water District

public hearing to adopt the Engineer's Report (ER) and certification of the Final Environmental Impact Report (FEIR)

Tuesday, Dec. 3, 2002, 9:30 a.m.

Santa Clara Valley Water District • Board Room
5700 Almoden Expressway, San Jose

The Santa Clara Valley Water District's Board of Directors will hear final comments on the FEIR and the Engineer's Report. The board will then vote on the certification of the FEIR and the adoption of the Engineer's Report.

The project will improve the flood capacity carried by Matadero Creek from Alma Street to the bay and provide protection from a 1 percent flood event (a flood that has a 1 percent chance of accurring in any given year) for both Matadero and Barron creeks. The project will protect many properties from flooding and eliminate the requirement for properties in the non-tidal area to carry flood insurance.

The reports prepared by water district staff are available for public reviewing at the following locations:

Santa Clara Valley Water District
Headquarters Lobby
5700 Almaden Expressway, San Jose

City of Palo Alto Development Center
285 Hamilton Ave., 1st Floor, Palo Alto

Palo Alto Main Public Library
Reference Desk
1213 Newell Road, Palo Alto

Palo Alto Public Library
Mitchell Park Branch
3700 Middlefield Road, Palo Alto

Palo Alto Public Library
College Terrace Branch
2300 Wellesley St., Palo Alto

Santa Clara Valley Water District

Reasonable efforts will be made to accommodate persons with disabilities wishing to attend this public hearing. To RSVP for the hearing, request accommodations for disabilities or for additional information on attending this hearing, please contact the Clerk of the Board Office, Santa Clara Valley Water District, (408) 265-2600. Interpreters for this meeting can be arranged. Please call (408) 265-2607, ext. 2881 at least three days prior to the hearing.

Este aviso se refiere a una reunión pública del Distrito de Aguas del Valle de Santa Clara (Santa Clara Valley Water District). Para solicitar arreglos especiales para personas con impedimentos físicos, o para solicitar un intérprete en español, o para recibir información adicional acerca de la reunión, por favor llame al (408) 265-2607, extensión 2881, por lo menos tres días antes de la reunión.

Ito ay isang pahayag mula sa Santa Clara Valley Water District tungkol sa isang pagpupulong na pang-madla na gaganapin. Kung may taong dadalo na may kapansanan o kakaibang pangangailangan tulad ng taga-salin sa wikang Tagalog, o kung ano pa mang kaalaman, ang pakiusap ay tumawag mga tatlong araw bago ganapin ang nasabing pagpupulong. Ang aming telepono ay: (408) 265-2607, ekste nsiyon 2330.

Đây là thông báo về buổi họp công cộng của Nhà Máy Nước Khu Santa Clara Valley. Xin quý vị gọi cho chúng tôi ít nhất ba ngày trước buổi họp nếu quý vị cần các thay đổi đặc biệt cho người bị khuyết tật, nếu quý vị cần có thông dịch viên tiếng Việt, hoặc để có thêm tin tức về buổi họp. Số điện thoại của chúng tôi là (408) 265-2607, dường dây phụ 2488.

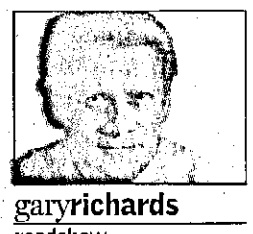
聖他克拉拉谷水利局公眾會議通知
如您需要我們爲殘疾人提供方便，或需要國語或粵語翻譯，或要有關這次會議的更多資訊，請在開會日前三天與我們聯絡。
請電 (408) 265-2607轉 2672。

Receive one less bill | Charge your Mercury News subscription to your credit or debit card 1-800-870-NEWS

The Valley

INSIDE

LEIGH WEIMERS Symphony San Jose Silicon Valley scrambles to straighten out ticket sales for its first concert, Nov. 23. | **2B**
OBITUARIES | 5B
EDITORIALS | 6B
WEATHER | 8B



garyrichards
roadshow

Readers go all-out with their wish lists

Q Your recent "wish list" column was great. Can we have a Part II?

Liz Anderson

A Sure can. Only today it's your wish list.

Q I wish the Mercury News transportation writer was aware of a commuter rail line running from Gilroy to downtown San Jose to downtown San Francisco, called Caltrain. And I wish all the BART worshipers in San Jose would move to Alameda County, where they can have their choice of a dozen BART stops.

Paul Krill
Sunnyvale

A Don't like BART, eh?

Q I wish that people wouldn't speed up to close the gap when I signal my intention to change lanes.

Diana Shull
Milpitas

A Me too.

Q I wish cell phone users used their phones only for an emergency while driving.

Ram Venkatesan

A Ditto.

Q I wish the DMV would institute a test that would ensure anyone obtaining a license actually knew how to drive.

Warren Serkin
Alameda

A I bet we could come up with a test.

ASK MR. ROADSHOW

Have a gripe, minor annoyance or major problem with transportation? Contact Gary Richards at mrroadshow@sjmercury.com or (408) 920-5335. The fax number is (408) 288-8060. Or try www.bayarea.com/mld/bayarea/news/columnists/

Q I wish young men on motorcycles would not pop wheelies next to me on Capitol Expressway in heavy traffic.

Steve Gilmore
San Jose

A Nor Highway 85, I-280, etc.

Q I wish all vehicles would have a U.S. flag on them.

Paulette Vogler
Sacramento

A But . . .

Q I wish that all the patriots who display American flags on their trucks and SUVs would realize that the most patriotic thing they could do would be to trade their gas guzzlers for high mileage vehicles.

Rick Austin
San Jose

A And . . .

Q I wish fewer people would drive like Klingons, Jeff Gordon or Elmer Fudd.

David Woon
Sunnyvale

A Bugs Bunny might agree.

Q I wish drivers who have the right-of-way would use it and go, rather than surrendering it to others waiting for them to go. This confuses drivers and slows traffic.

Michael Rawdon
Mountain View

A Has Mrs. Roadshow been talking to you about my driving?

Q All the years I've been driving (30), the directional signal lever's been on the left — and not the right as you wrote in your "wish list" column. You're going to get 100,000-plus e-mails about this one. . . . What kind of vehicle do you drive, anyway? In my 40-plus years of driving, I've always found the turn signal lever on the left. Maybe that's why nobody uses turn signals: they can't find the lever. . . . I may be a bumpkin, but I've never seen a turn signal described as the lever on the right. . . . They won't confuse roadshow with road scholar.

Austin Sylvester, Dave Doyel, Jerry Estruth, Alberta Mendoza, Mark Orth Lorentz Shyu, Rick Stein and more

A A lesson has been learned. Never, ever agree to a copy editing change late at night over the phone while watching the Giants in the Series. And I did not hear from 100,000-plus readers. Only 221, at last count.

Q Your wish list struck home in a lot of ways, but a special thanks for the reminder to drive courteously. Your column made me let a few more people and their vehicles in front of me than I probably did before during my morning commute. Nobody waved, but at least I felt good about my own actions and kept my stress level a bit lower.

Carol McCarthy
Los Gatos

A Someone heeded my advice!

Q I wish more drivers out there could be like Gary Richards.

Sgt. Bruce-The-Ex-Traffic-Cop
San Jose

A You have to like this former cop.

Police nab 4th suspect in bank heist

By Jessie Seyfer
Mercury News

Seti Scanlan, the man who police say killed a 34-year-old bank manager during a robbery last month in Burlingame, said Sunday that he is "not a bad person."

Scanlan

Police and the media have portrayed him unfairly, the 24-year-old Mountain View man said in his first interview since giving himself up Thursday to police in Oregon.

"Only God can judge me," he said.

Scanlan's surrender to a grocery store clerk in a Portland suburb ended an intense month-long manhunt.

Also Sunday, Burlingame police announced they had arrested a fourth and final suspect in the deadly Oct. 11 rob-

See **ROBBERY**, *Page 4B*

New union targets child care workers

ORGANIZING PLANS IGNITE FEASIBILITY DEBATE

By Katherine Corcoran
Mercury News

A new labor union representing about 900 child care employees in two eastern states is starting to organize Bay Area workers who care for children to try to improve wages and benefits for one of the nation's lowest-paying professions.

The United Child Care Union, founded five years ago in Philadelphia and affiliated with the powerful American Federation of State, County and Municipal Employees, is approaching child care centers and family child care associations with some success. The Family Child Care Association of San Francisco has voted to unionize its roughly 200 members. Partners in Child Care, the Santa Clara County family child care association, has met with organizers but has yet to schedule a vote.

Union efforts so far have ignited debate in a field in which jobs historically have been too varied and isolated for traditional union organizing.

"This woman in San Francisco thinks she can start a union, and I can tell you 99 reasons why she can't," said Regina Mosby, president and founder of the California Coalition of Child Care Providers. "A lot of them charge different rates. Say you want $150 a week to care for an infant, and I would do the same thing for $60. How is she going to round all of them up and go for the same money? There's just no way."

Unionizing child care workers is still rare. Four to 5 percent of about 2 million workers nationally belong to unions, and none are in the family child care business, according to the Center for the Child Care Workforce in Washington, D.C. But there's been an increased push in spots around the country as a way to boost compensation for people who most agree do an important job but

See **UNION**, *Page 3B*

NAACP cites slur

Shopper says Albertsons ignored her complaint

SUSANNA FROHMAN — MERCURY NEWS

Lillian Jones says that an Albertsons employee used a racial insult against her and that Albertsons failed for weeks to respond to her complaint.

"I said, 'I can't believe he said that,' and the manager apologized to me and said, 'He has no right to say that to you.' "

— LILLIAN JONES — SHOPPER, COMMUNITY ACTIVIST AND LOCAL NAACP MEMBER — DESCRIBING EXCHANGE AT ALBERTSONS

By Michelle Guido
Mercury News

The local chapter of the NAACP has intervened on behalf of a San Jose community activist who alleged that an employee at the Albertsons store at Capitol Expressway and Tully Road hurled a racial epithet at her while she tried to buy fish at the store.

Lillian Jones, a San Jose/Silicon Valley NAACP member, said Saturday that she tried for weeks to get Albertsons to address her complaint before she approached the NAACP, but the store's management never returned her phone calls.

"The most disturbing thing about it is that it's happening in this day and time when we, as African-Americans, think that we have progressed, but to find out that we have actually regressed," said Jones, 52, who ran for a seat on the Santa Clara County Board of Education last week but was not elected. "Having lived in that era and participated in the civil rights movement, this incident took me back to a time that was extremely uncomfortable."

Stacia Levenfeld, Albertsons spokeswoman for California, said the employee was put on leave right after the incident involving Jones and was fired some time later. Levenfeld said the employee was not allowed to return to work after the alleged slur.

"Because the issue is ongoing, I really can't speak in detail to what's happened," Levenfeld said Saturday. "But it's something that we take very seriously and that we're working to resolve."

Nedra Jones, legal redress chair for the local chapter of the NAACP said the agency sent a letter to Albertsons on Thursday calling for the grocery chain to take further action, including expanding diversity and sensitivity training.

"We take incidents of this magnitude very seriously, and our outrage was exacerbated when we

See **NAACP**, *Page 5B*

BLOOD BROTHERS

Gift of kidney to stranger forms fast friendship

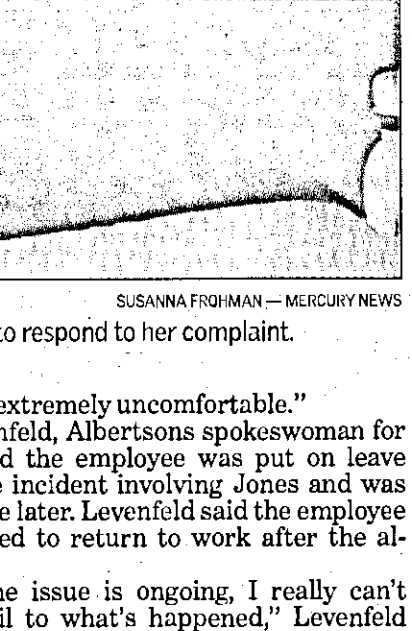
By Kim Vo
Mercury News

John Kangho Ang prayed for answers. He was a vegetarian who swam, hiked and played tennis. And he was a devout Christian. Why, he asked God, were his kidneys failing?

Mark Ferrell prayed, too. He had what Ang needed. But Ferrell barely knew the man, and he fretted that someday a sibling might need this precious gift — one he had given away to a stranger. What, he wondered, did God want him to do?

In late September, both men seemed to have their prayers answered. Culminating a journey that tested faith and spawned a friendship, Ferrell gave Ang his kidney.

See **KIDNEY**, *Page 4B*



John Kangho Ang, left, and Mark Ferrell pray together. The two men met briefly in January, and eight months later Ferrell donated a kidney to Ang.

JUDITH CALSON — MERCURY NEWS

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has reviewed the Risk Management Plan (RMP) under the California Accidental Release Prevention Program (CalARP) for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose, California for the chemicals Anhydrous Ammonia and Hydrogen Fluoride. After review by the County of Santa Clara, the RMP is found to be complete. In accordance with State law, the RMP will be available for public review and comment beginning June 23, 2003 and will continue for a period of at least 45 days. The RMP may be reviewed during normal business hours at the location indicated below. Please call in advance to arrange for a time to review the document.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

Tues June 17 publication
217.10

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 298-6261
www.EHinfo.org

June 11, 2003 **INDEX: 1198** **ESBJ: 2585**

San Jose Mercury News
750 Ridder Park Drive
San Jose, CA

TOTAL AMOUNT OF PURCHASE NOT TO EXCEED $500.00

Please enter our order:

- Public notification ad to be placed at earliest date. Ad to be placed once. Send proof of publication with invoice to this office. This is for RMP at Limited Lighting, LLC.

SHIP TO:
Santa Clara County
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Bldg. 2, Suite 300
San Jose, CA 95112-2716

BILL TO:
Santa Clara County
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Bldg. 2, Suite 300
San Jose, CA 95112-2716

We are unable to make payments without reference to our Purchase Order Number. Please refer to our Order No **H030201** on your packing slip and invoice. Direct payment will be made upon receipt of three copies of your invoice.

If you have any questions please call me at (408) 918-3428.

INVOICES MUST ITEMIZE ALL MERCHANDISE, TAX, SHIPPING AND HANDLING.

Sincerely,

Roberta Hackel /RH

Roberta Hackel
Department of Environmental Health
Hazardous Materials Compliance Division

Direct Pay Letter

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Richard Wittenberg

PROOF OF PUBLICATION

San Jose Mercury News

750 RIDDER PARK DRIVE
SAN JOSE, CALIFORNIA 95190

IN THE
City of San Jose
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

Santa Clara County Department of Environmental Health
Hazardous Materials Compliance/Roberta Hackel
1555 Berger Drive, Building 2, Suite 300
San Jose, CA 95113-2716
Legal Ad No. 5119-L

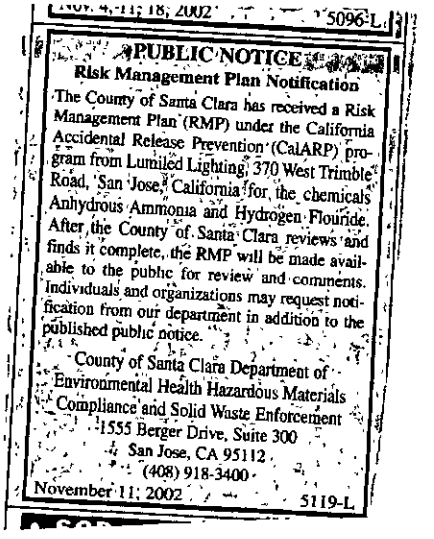
STATE OF CALIFORNIA)
) SS.
COUNTY OF SANTA CLARA)

The undersigned, being first duly sworn, deposes and says: That at all times hereinafter mentioned affiant was and still is a citizen of the United States, over the age of eighteen years, and not a party to nor interested in the above entitled proceedings; and was at and during all said times and still is the principal clerk of the printer and publisher of the San Jose Mercury News, a newspaper of general circulation printed and published daily in the city of San Jose in said County of Santa Clara, State of California, that said San Jose Mercury News is and was at all times herein mentioned a newspaper of general circulation as that term is defined by Sections 6000 and following, of the Government Code of the State of California, and, as provided by said sections, is published for the dissemination of local or telegraphic news and intelligence of a general character, having a bona fide subscription list of paying subscribers,and is not devoted to the interests or published for the entertainment or instruction of a particular class, professional, trade, calling, race or denomination, or for the entertainment and instruction of any number of such classes, professionals, trades, callings, races or denominations; that at all times said newspaper has been established, printed and published in the said city of San Jose in said County and State at regular intervals for more than one year preceding the first publication of the notice herein mentioned; that said notice was set in type not smaller than nonpareil and was preceded with words printed in black-face type not smaller than nonpareil, describing and expressing in general terms, the purport and character of the notice intended to be given; that the clipping of which is annexed is a true printed copy, was published and printed in said newspaper on the following dates, to-wit:

November 11,2002

Dated at San Jose, California
this 12th day of November,2002
I declare under penalty of perjury that the foregoing is true and correct.

Signed.....
Principal clerk of the printer and publisher of the San Jose Mercury News.



5096-L

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from Lumiled Lighting, 370 West Trimble Road, San Jose, California for the chemicals Anhydrous Ammonia and Hydrogen Flouride. After the County of Santa Clara reviews and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

November 11, 2002 5119-L

NATI HARNIK — ASSOCIATED PRESS

Rapid City, S.D., activist Eileen McKeon celebrates Friday after learning Ellsworth Air Force Base would stay open.

Panel refuses to shut 2 bases

THOUSANDS OF JOBS SAVED IN TWO STATES

By Drew Brown
Knight Ridder

WASHINGTON — The military base-closing commission Friday struck down the Pentagon's recommendations to close Ellsworth Air Force Base in South Dakota and Cannon Air Force Base in New Mexico, dealing a blow to the Pentagon's plan to cut costs and reposition U.S. military forces for the 21st century, but saving thousands of local jobs in the two states.

The Base Realignment and Closure Commission's decisions came on a final day of votes on a process that will close or restructure dozens of major military installations and hundreds of smaller ones over the next few years. This round of base closings is the first in a decade.

The votes on Ellsworth and Cannon were two of the most difficult decisions facing the nine-member panel as they weighed the military value of each installation against other considerations, including the economic impact on local communities, many of which depend on military bases for their economic lifeblood.

But commission chair Anthony Principi said, "Painful basing decisions should not be deferred because they are difficult."

The commission began deliberations on closing or restructuring dozens of Air National Guard and Air Reserve bases just as a federal judge in Pennsylvania ruled that the commission didn't have the authority to deactivate the 111th Fighter Wing of the Pennsylvania Air National Guard without the approval of that state's governor.

The commissioners had voted to take away fighter jets from Naval Air Station Willow Grove, where the unit is based, but they left the base open.

Commissioner James Bilbray, a former Nevada congressman, said the judge's ruling wouldn't reverse the panel's decision.

The commission also voted Friday to keep some KC-135 tankers from the 319th Air Refueling Wing at Grand Forks Air Force Base in North Dakota.

By refusing to vote to close Ellsworth and Cannon, the commission demonstrated its willingness to take independent action and not rubberstamp the Pentagon's list of recommendations. The commission has rejected several Pentagon recommendations, keeping a Navy shipyard and submarine base open in New England, both of which the Pentagon wanted to close.

The Pentagon sought to close Ellsworth and move its 24 B-1 bombers from the 28th Bomb Wing to Dyess Air Force Base in Texas. The Pentagon contended that the move would save $1.9 billion over 20 years, mostly in personnel reductions.

But the commission's analysts found that the move would cost $20 million more than it would to leave the bombers at Ellsworth.

President Bush must either accept or reject the commission's list of closures within 15 days of receiving it. The president can send the list back once for revisions. Once the president accepts the list, Congress has 45 days to accept it or reject it, but it can't make any changes.

Find real deals on our virtual lot
Powered by The Mercury News MercuryNews.com

AFFORDABLE LIVING TRUSTS $499 LAW OFFICES
www.affordablelivingtrusts.com
FREE VIDEO
SARATOGA 408-741-1627 and SAN FRANCISCO 415-441-5100

SOLAR Pool Heating
✔ Best products
✔ Best services
✔ Best prices
NATURAL ENERGY
www.naturalenergyusa.com
1-800-576-7657

BACK PAIN?
Leg Numbness?
Leg Weakness?
Do Your Legs Give Out?
Do You Have Sciatica?
• Non-surgical treatment • No scar
• No anesthesia • Rapid recovery
MS Minimally Invasive Surgical Solutions
Arash M. Padidar, MD
www.endovascularsurgery.com
455 O'Connor Dr. #390
San Jose, Ca 95128
408-918-0405

Mancini's SLEEPWORLD
Simply the Best Place to Buy a Mattress
800-64-SLEEP
www.sleepworld.com
Apply For Financing Now Online!
NO INTEREST ¹
NO DOWN PAYMENT
NO MONTHLY PAYMENT
GRAND OPENING
Sleep Free³ Mattress Sale
Now in Saratoga!
Mancini's SLEEPWORLD 10% Best Price GUARANTEE We will beat anyone's price or your mattress is FREE!
Only Mancini's gives you...
FREE DELIVERY AND FREE BEDFRAME AND FREE SETUP & TAKE-AWAY ...on every premium set! ²
SARATOGA
1807 Saratoga Ave.
408-252-2500

Mancini's Sleepworld Designs by Serta — Firm — $64 Twin Ea Pc
Serta — Plush — $499 Twin Set / $549 Full Set / $899 King Set — $599 Queen Set
Simmons — Luxury Firm — $649 Twin Set / $699 Full Set / $1099 King Set — $799 Queen Set
Spring Air — Pillow-Top or Firm — $599 Twin Set / $699 Full Set / $999 King Set — $799 Queen Set
Mancini's Sleepworld Designs by Serta — Pillow-Top — $464 Queen Set
Serta — Euro-Top — $699 Twin Set / $849 Full Set / $1199 King Set — $899 Queen Set
Simmons — Pillow-Top — $749 Twin Set / $799 Full Set / $1199 King Set — $899 Queen Set
Spring Air — Choice of Firmness — $899 Twin Set / $949 Full Set / $1399 King Set — $999 Queen Set
Mancini's Sleepworld Designs by Serta — Choice of Firmness — $664 Queen Set
Serta — Choice of Firmness — $1099 Full Set / $1499 King Set — $1199 Queen Set
Simmons — Choice of Firmness — $1399 King Set / $1449 King Set / $1999 King Set — $1599 Queen Set
Spring Air — Pillow-Top — $999 Full Set / $1049 Full Set / $1599 King Set — $1199 Queen Set

TEMPUR-PEDIC PRESSURE RELIEVING SWEDISH MATTRESSES AND PILLOWS
KLUFT THE ROYAL STANDARD EUROPEAN STYLE SUPERIOR COMFORT
Englander Since 1896 The mattress of choice
Adjustable Beds From $899
Aireloom THE HAND MADE MATTRESS From $2549 Queen Set
Chattam & Wells 8-Way Hand-Tied Boxspring Firm Queen Set $2799
iJoy Love. Play. Relax. The Ultimate in Robotic Massage $599
Queen $599
Queen $399
Queen $699
Human Touch $1899
OR Your Choice! $699
OR Your Choice! $699
$699
Complete with Mattress $399
European Beech

LOCATIONS
Mancini's SLEEPWORLD
Hours: Mon-Fri 10am-9pm Sat-Sun 10am-7pm
800-64-SLEEP
www.sleepworld.com
GRAND OPENING
SARATOGA 1807 Saratoga Ave. 408-252-2500
SUNNYVALE 968 E. El Camino Real 408-245-6251
SANTA CLARA 50 N. Winchester Blvd 408-261-7400
LOS ALTOS 2034 W. El Camino Real 650-988-1300
SAN JOSE 1086 Blossom Hill Rd. 408-264-6100
GILROY 8787 San Ysidro Ave. 408-846-5300

THIS DAY IN HISTORY: AUG. 27, 1962
The United States launches the Mariner II space probe, which will fly past Venus in December.

Roberts' views attacked

GROUP: HE OPPOSED ABORTION DECISION

By Charles Babington
Washington Post

WASHINGTON — A leading abortion-rights group launched a second TV ad attacking Supreme Court nominee John G. Roberts Jr. on Friday, saying his questioning of a constitutional right to privacy suggests he might support new limits on abortion.

"There's too much at stake" to give Roberts, 50, a lifetime appointment to the court, says the ad by NARAL Pro-Choice America. It began airing nationwide on CNN and on Washington-area cable outlets, the group said. A print version will run in some newspapers this weekend.

Two weeks ago, NARAL stopped airing a more sharply worded anti-Roberts ad after conservatives, and some Democrats, said it flagrantly misrepresented his record. That ad said Roberts sided with groups that bombed abortion clinics.

NARAL seemed eager to tell supporters and others that the new ad is factual and straightforward. "We have vetted the ad through our coalition partners, friends on the Hill and various legal experts, and are confident that this message will resonate with the 'talking heads' and 'Washington insiders' that we need to reach in the week prior to the beginning of the hearings," the group said in an e-mail statement. The Senate Judiciary Committee will open its confirmation hearing for Roberts on Sept. 6.

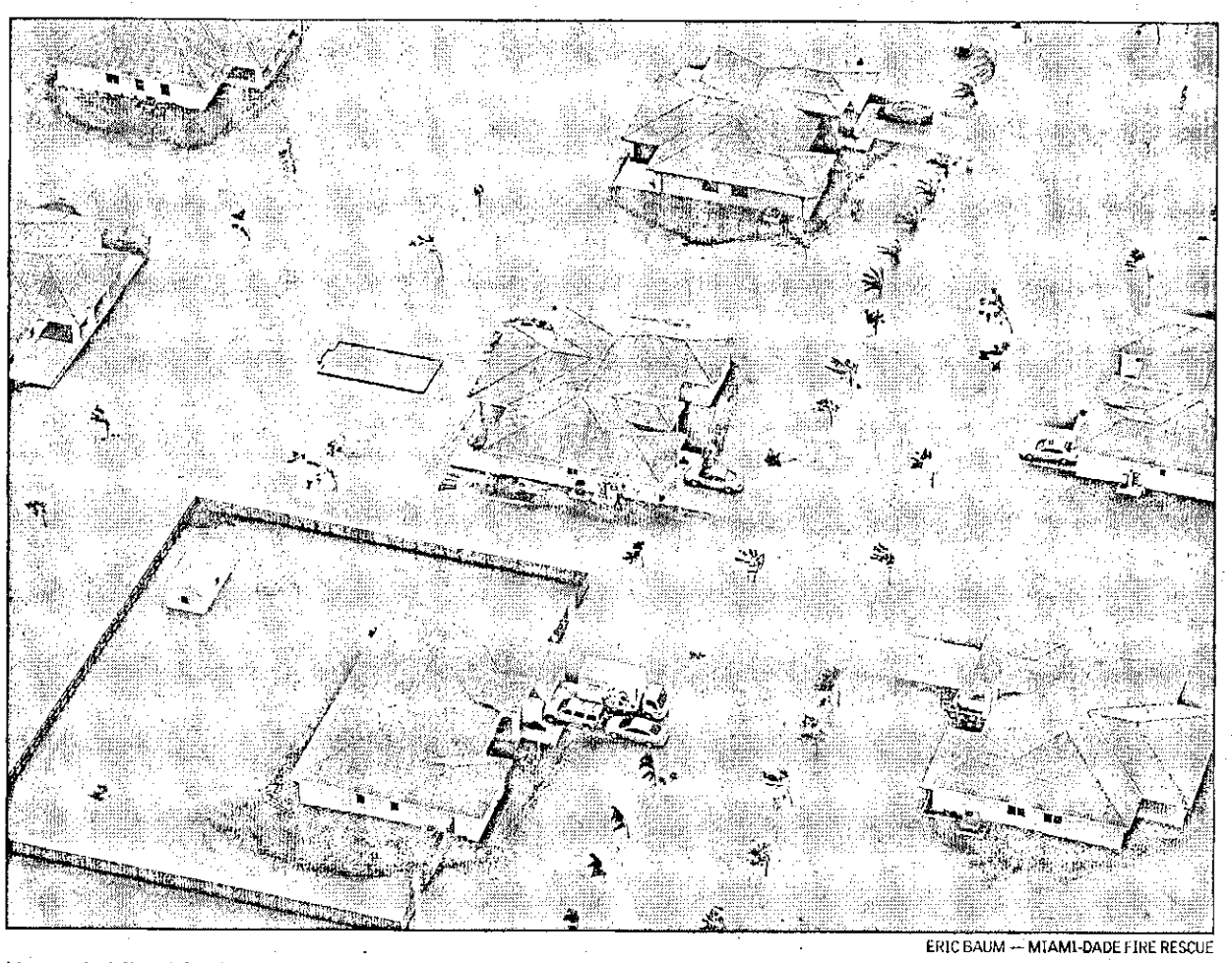
The new ad cites a 1981 memo about abortion written by Roberts — then a young lawyer in the Justice Department — that refers to "the so-called 'right to privacy.'"

The Supreme Court based its 1973 Roe vs. Wade case, which legalized abortion in all 50 states, on a woman's right to privacy.

The ad also notes that in September 1990, as an assistant in the solicitor general's office, Roberts wrote a brief that stated, "We continue to believe that Roe was wrongly decided and should be overruled."

Asked about the brief two years ago, at the confirmation hearing for his appointment to a federal appeals court, Roberts avoided saying whether the words reflected his personal views or, as his backers say, simply stated the administration's well-known position.

More recently, Roberts has told senators that changes to established law should be "modest," which some interpret as a sign he would be reluctant to overturn long-standing decisions such as Roe.



ERIC BAUM — MIAMI-DADE FIRE RESCUE

Homes in Miami-Dade County are flooded by heavy rain from Hurricane Katrina on Friday. The death toll rose to six.

Florida residents begin hurricane cleanup

PERSISTENT KATRINA HEADS TO PANHANDLE, NEW ORLEANS

By Martin Merzer, Jacqueline Charles and Wanda J. DeMarzo
Knight Ridder

MI — South Floridians be- rebuild again. They cleared s transformed into mile-long s, some dammed by fallen s. They patched tattered roofs, salvaged destroyed mobile homes and sweated without power.

It seemed hauntingly familiar Friday, almost exactly 13 years after another disaster struck.

"We're calling this Little A- drew," said Lawrence Perciv. whose driveway was blocked by a 30-foot downed oak.

The death toll rose to six Friday and South Floridians coped with lo- floods, sweeping power outages nd forests of toppled trees as Hr ricane Katrina — the storm that r fuses to die — slapped the Florida Keys and moved into the Gulf of Mexico. There, it strengthened into a Category 2 hurricane and took aim at the upper Gulf Coast, with arrival expected Monday. That region includes New Orleans and the Florida Panhandle, which was slammed by hurricanes Ivan last year and Dennis in early July.

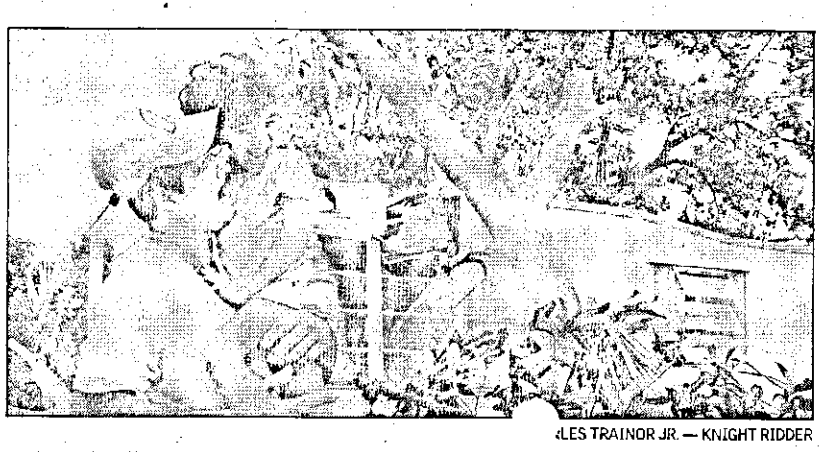
'Assume the worst'

"It's on its way to being a major hurricane," said Max Mayfield, director of the National Hurricane Center in Miami-Dade County.

Said Gov. Jeb Bush: "People should not take anything for granted. You have to assume the worst."

In South Florida, Katrina did not deliver the worst blow that hurricanes can produce — Category 5 Hurricane Andrew managed that feat on Aug. 24, 1992, when it bulldozed much of South Miami-Dade County — but this latest disaster was bad enough.

And in one way, it was worse. Hurricane Andrew limited itself largely to a small section of Miami-Dade. Katrina clobbered Broward, Miami-Dade, Monroe and parts of Palm Beach County.



LES TRAINOR JR. — KNIGHT RIDDER

Gaberial Tallamantes picks up his daughter, Isabel, near what was left of his brother's home in Davie, Fla., on Friday. A tree landed on the mobile home.

Assessing the damage

Police said Friday that two people died at the free anchorage outside Dinner Key Marina in Coconut Grove.

"Quite a few houseboats turned over," said Miami Police Chief John Timoney. "I wouldn't be surprised if we find a few more bodies."

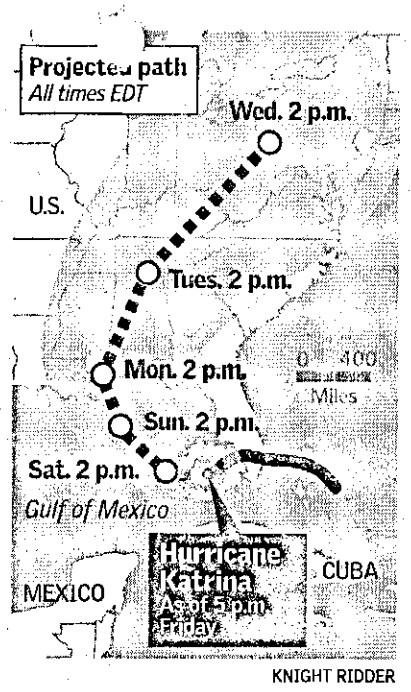
Four people were killed in Broward — three by falling trees and one in a storm-related traffic accident. More than 1.45 million customers lost power during the storm and about 1 million customers — translating into millions of people — remained in the heat and dark Friday night.

Also without power: the Port Everglades fuel depot, a development that temporarily curtailed most deliveries of gasoline in South Florida.

Early estimates by the insurance industry of local property damage ranged from $600 million to $2 billion. The Federal Emergency Management Agency monitored the situation and said assessment crews could hit the streets Saturday.

In one piece of good news, Fort Lauderdale-Hollywood International Airport and Miami International Airport reopened.

In another, the Dolphin Expressway reopened to traffic after workers removed 1,500 tons of concrete and steel that rained down on the major east-west artery after an under-construction overpass collapsed.



KNIGHT RIDDER

YEAR OF MISERY

Hurricanes hitting Florida in 2004-05.

2004

Name: Charley
Landfall: Aug. 13, Cayo Costa
Maximum wind: 150 mph (Category 4)
Fatalities (in Florida): 35
Estimated insured losses (as of late 2004): $7.8 billion

Name: Frances
Landfall: Sept. 5, Sewall's Point
Wind speed: 105 mph (Category 2)
Fatalities (in Florida): 40
Estimated insured losses: $4.6 billion

Name: Ivan
Landfall: Sept. 16, Gulf Shores, Ala.
Wind speed: 130 mph (Category 3)
Fatalities (in Florida): 29
Estimated insured losses: $4.1 billion

Name: Jeanne
Landfall: Sept. 26, Hutchinson Island
Wind speed: 121 mph (Category 3)
Fatalities (in Florida): 19
Estimated insured losses: $4.1 billion

2005

Name: Dennis
Landfall: July 10, between Navarre Beach and Pensacola Beach
Wind speed: 120 mph (Category 3)
Fatalities (in Florida): 12
Estimated insured losses: $1 billion to $2.5 billion (initial projection)

Name: Katrina
Landfall: Aug. 25, between Hallandale Beach and North Miami Beach
Wind speed: 80 mph (Category 1)
Fatalities (in Florida): 6
Estimated insured losses: not available

Source: National Hurricane Center, State Emergency Operations Center, Florida Office of Insurance Regulation

INBRIEF

NEW MEXICO

Cross-border leaders tackle trouble spot

The governors of New Mexico and its southern neighbor, the Mexican state of Chihuahua, agreed Friday to bulldoze or board up buildings in a semi-abandoned border town that is a haven for would-be immigrants and smugglers.

Gov. Bill Richardson and Chihuahua Gov. José Reyes Baeza also said they hoped to establish a police presence to end lawlessness in the dusty Mexican community of Las Chepas, which is considered a staging ground for migrants and drug and human smugglers.

It was the governors' first meeting since Richardson, citing growing violence, declared a state of emergency in New Mexico's four border counties earlier this month.

NEW JERSEY

Merck may settle some suits over Vioxx

Merck & Co. will consider settling a limited number of lawsuits over its withdrawn painkiller Vioxx, a representative said Friday. The drug's link to heart attacks and strokes has spawned thousands of lawsuits and last week's $253 million jury verdict in Texas.

As recently as Wednesday, company lawyers were still saying they planned to fight each personal-injury lawsuit. Thursday morning, Merck said that as of Aug. 15 it faced nearly 5,000 lawsuits alleging patients were harmed by the drug — almost 600 more cases than in its prior update five weeks earlier.

In other news

- At 6-foot-1 and 160 pounds, Jim Pfeiffer is used to being called skinny. Pfeiffer's svelte physique came in handy Monday, when the 25-year-old firefighter slipped into a narrow crevasse to rescue a toddler trapped 9 feet underground in Westfield, N.J.
- Texas researchers have found a naturally occurring hormone that can extend the lifespan of mice as much as 30 percent, a discovery that opens a new avenue of research into human longevity. However, it decreases fertility and increases susceptibility to diabetes, the team reported Thursday.
- The Rev. Billy Graham helped break ground Friday on a library and museum in Charlotte, N.C. It is scheduled to open in 2007.
- Federal prosecutors said Friday that they would appeal the 22-year prison sentence imposed on Ahmed Ressam, an Algerian convicted of plotting to bomb Los Angeles International Airport on the eve of the millennium. They had sought a 35-year term. With credit for time served and three years for good behavior, Ressam could be out in 14 years.

From the Associated Press

Move an **SUV** with a **mouse**
cars.com
Powered by The Mercury News

PUBLIC HEARING

A public hearing regarding the 2005-2006 budget of the San Jose-Evergreen Community College District will be held on September 13, 2005, at 8:00 p.m., in the District Board Room, 4750 San Felipe Road, San Jose, California. The public is cordially invited to attend this meeting.

The budget may be inspected by the public beginning September 6, 2005, between the hours of 8:00 a.m. and 5:00 p.m., in the Business Office at the above address.

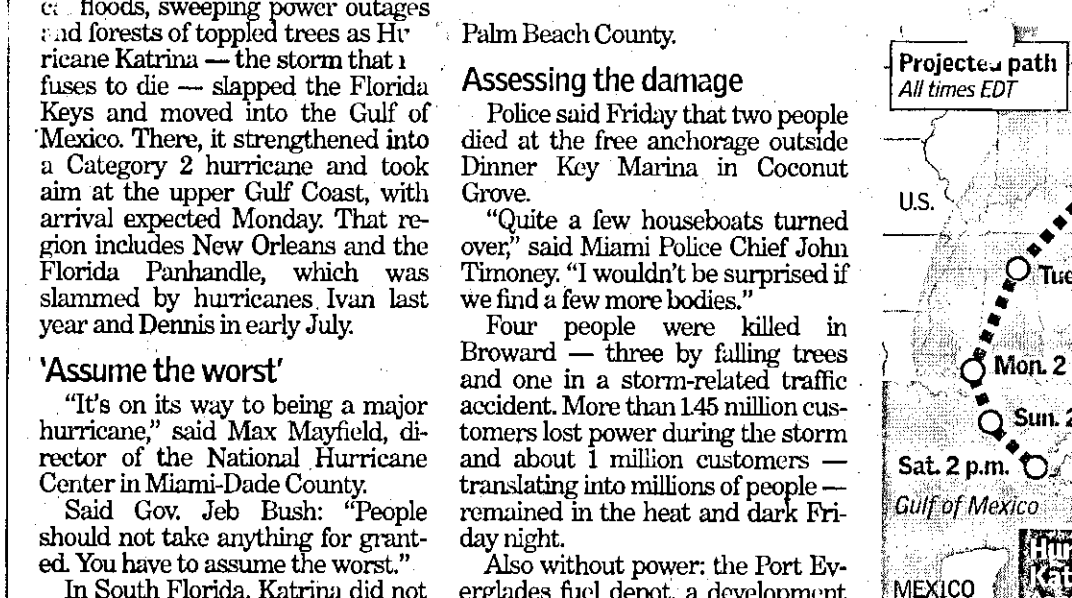
August 27, 2005 1406006

PUBLIC NOTICE
Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Variety Metal Finishing, Inc., 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

August 27, 2005 1487296



Evergreen Valley College
Classes Begin Sept 6th

Call Now: (408) 270-6408
www.evc.edu

Build a BETTER FUTURE
at EVERGREEN VALLEY COLLEGE

Evergreen Valley College Offers:
- Transfer Courses - attend the 4-year college of your choice.
- Career Courses - earn a prestigious career certificate.
- English as a Second Language - Improve your Language Skills.

English - Chemistry - Computer Science - Automotive Technology - Pronunciation
Mathematics - English as a Second Language - Psychology - Legal Assistant

FULL SCHEDULE OF COURSES AVAILABLE ONLINE:
http://www.evc.edu

GREAT CLASSES STILL AVAILABLE!

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
Hazardous Materials Program
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408)918-3400; Fax (408)280-6479
www.EHinfo.org/hazmat

FILE

May 4, 2015

Mr. Mitch Cole
Lumileds Lighting, LLC
370 W. Trimble Road
San Jose, CA 95131-1008

Reference: Reminder to Submit 5 year Updated Risk Management Plan

Dear Mr. Cole:

Your facility currently has an active Risk Management Plan (RMP) on file with our agency for California Accidental Release Prevention Program 3 for the chemical anhydrous ammonia (CAS#7664-41-7) and for Hydrogen Gas (CAS#4368-28-9) used at your facility that exceed the federal threshold of 10,000 pounds. As part of this program under the California Code of Regulation (CCR), Title 19, Section 2745.10 the owner or operator of a stationary source shall revise and update the RMP submitted under Section 2745.1 within 5 years of its initial submission.

Your last submittal date to us was on August 24, 2010, and your next 5 year submission for an updated Risk Management Plan should be submitted on August 24 1, 2015.

Please notify us ahead of time of scheduled revalidation of your Process Hazard Analyses, so our staff may attend. If you have any questions please contact me at 408-918-1985 or e-mail: ruben.williams@deh.sccgov.org.

Sincerely yours,

Ruben Williams

Ruben Williams, CHMM
Senior Hazardous Materials Specialist
Hazardous Materials Compliance Division

Board of Supervisors: Mike Wasserman, Cindy Chavez, Dave Cortese, Ken Yeager, S. Joseph Simitian
County Executive: Jeffrey V. Smith

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
Phone (408) 918-3400 Fax (408) 280-6479 www.EHinfo.org/hazmat

RECEIVED BY:
SANTA CLARA COUNTY
DEPT OF ENV HEALTH
2014 NOV -6 PM 1:23

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131
Inspection Date: 09/23/2014

HW Generator Type: NA
Consent to Inspect Granted By: MR. MITCHELL COLE, ENVIRONMENTAL ENGINEER

☐ RCRA LQG
☐ Pictures Taken
☐ Samples Taken

Summary of Violations & Notice to Comply

Program: PR0372265 - CAL ARP - 2113
Inspection Type: ROUTINE INSPECTION-COMPLETED

VC	Class	Violation	Corrective Actions Taken
C086	M	**Submitted a RMP which includes all requirements in Section 2745.3 to 2745.5 and 2745.8 to 2745.9** Failure to submit an Risk Management Plan (RMP) which includes all requirements described in Section 2745.3 through 2745.5 and 2745.8 through 2745.9. 19 CCR 4.5 2735.5(b)(1), 2735.5(d), 2745.1(a) ***VIOLATION : OWNER/OPERATOR SUBMITTED A RISK MANAGEMENT PLAN WHICH DID NOT INCLUDE ALL REQUIREMENTS IN SECTION 2745.4 (OFF SITE CONSEQUENCE ANALYSIS) TO IDENTIFY PUBLIC RECEPTORS WITHIN THE DISTANCE OF THE OFF SITE CONSEQUENCES ANALYSIS.*** ***REQUIREMENT: FACILITY MUST IDENTIFY ALL OFF SITE PUBLIC RECEPTORS WITHIN THE OFF SITE CONSEQUENCES ANALYSIS.*** ***CORRECTIVE ACTION: IDENTIFY ALL PUBLIC RECEPTORS IN THE OFF SITE CONSEQUENCE ANALYSIS AND INCLUDE IT IN THE RISK MANAGEMENT PLAN WITH CONTACT INFORMATION OF THE PUBLIC RECEPTORS AND A PLAN TO NOTIFY THEM IN THE EVENT OF AN EMERGENCY.***	See attached Emergency Public Notification Procedure.

Comments: A PROGRAM 3 CALIFORNIA ACCIDENTAL RELEASE PREVENTION INSPECTION WAS CONDUCTED FOR THE REGULATED CHEMICALS ANHYDROUS AMMONIA AND HYDROGEN. A FACILITY WALK THROUGH WAS CONDUCTED WITH MITCHELL COLE-eNVIRONMENTAL ENGINEER AND THE 4 ANHYDROUS AMMONIA TRAILERS AND THE HYDROGEN TANK AND ASSOCIATED PROCESS EQUIPMENT. NO OBSERVATIONS WERE NOTED DURING THE WALK THROUGH.

THE FOLLOWING DOCUMENTATION WAS REVIEWED DURING THE INSPECTION:
1. RISK MANAGEMENT PLAN (RMP) DATED NOVEMBER 2010. THIS RMP WAS FOUND SATISFACTORY. NEXT FIVE YEAR RMP UPDATE DUE NOVEMBER 2015.

2. INCIDENT INVESTIGATION LOG. THE FACILITY HAS NOT HAD A CALARP CHEMICAL RELEASE IN THE LAST 3 YEARS.

3. EMPLOYEE ERT TRAINING RECORDS DATED 9/18/2014. THESE EMPLOYEE TRAINING RECORDS WERE FOUND SATISFACTORY. PHILIPS LUMILEDS CONTRACTS ALL ITS MAINTENANCE ON THE ANHYDROUS AMMONIA AND HYDROGEN SYSTEMS WITH AIR PRODUCTS.

4. CONTRACTORS RIGHT TO KNOW DOCUMENTATION EXPLAINING THE HAZARDS OF THE FACILITY WAS FOUND SATISFACTORY.

5. FACILITY HOT WORK PERMITS WERE REVIEWED AND FOUND SATISFACTORY.

6 .ANHYDROUS AMMONIA AND HYDROGEN SENSOR PREVENTIVE MAINTENANCE AND CALIBRATION DOCUMENTATION WAS FOUND SATISFACTORY. ANHYDROUS AMMONIA AND HYDROGEN SENSORS ARE CALIBRATED ANNUALLY.

7. HAZARDOUS MATERIALS BUSINESS PLAN (ELECTRONICALLY FILED VIA CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM IN 2014) WAS FOUND ADMINISTRATIVELY SATISFACTORY. A MORE DETAILED COMPREHENSIVE INSPECTION WILL BE CONDUCTED AT A LATER DATE.

8. MATERIAL SAFETY DATA SHEETS FOR ANHYDROUS AMMONIA AND HYDROGEN WERE FOUND SATISFACTORY.

9. FACILITY HAS A COMPREHENSIVE PREVENTATIVE MAINTENANCE PROGRAM IN PLACE. ALL ROUTINE AND

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744 **Inspection Date:** 09/23/2014
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131

Summary of Violations & Notice to Comply

PREVENTATIVE MAINTENANCE IS DOCUMENTED.

10. FACILITY OPERATING PROCEDURES ARE WELL DOCUMENTED AND WERE FOUND SATISFACTORY. (11/19/2010 FOR ANHYDROUS AMMONIA AND 9/4/2013 FOR HYDROGEN).

11. PROCESS HAZARD ANALYSIS DONE ON AUGUST 20, 2013 WAS WELL DOCUMENTED ANS ALL RECOMMENDATIONS WERE ACTED UPON.

12. TWO COVERED PROCESS MODIFICATIONS WERE CARRIED OUT (2010 FOR ANHYDROUS AMMONIA AND 2013 FOR HYDROGEN) AND WERE DOCUMENTED. THE FACILITIES CONTRACTOR AIR PRODUCTS PREPARED THE COVERED PROCESS MODIFICATION DOCUMENTATION.

13. A SEISMIC ASSESSMENT AND PROCESS WALK THROUGH CONDUCTED ON DECEMBER 5, 2013 WAS WELL DOCUMENTED AND SIGN BY A PROFESSIONAL ENGINEER. ALL RECOMMENDATIONS WERE CARRIED OUT DURING THE INSTALLATION OF THE PROCESS EQUIPMENT.

14. UPDATED RMP ELECTRONIC SUBMIT(RMP E-SUBMIT) TO FEDERAL EPA REGION 9 DATED DECEMBER 16, 2013 WAS REVIEWED AND FOUND SATISFACTORY. THIS SUBMITTAL WAS FOR THE ADDITION OF THE HYDROGEN TANK.

15 .FACILITY EMERGENCY RESPONSE PLAN DATED NOVEMBER 19, 2010 WAS REVIEWED AND FOUND SATISFACTORY.

16. CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION DATED OCTOBER 28, 2013 WAS REVIEWED AND FOUND CURRENT.

17. CALIFORNIA ACCIDENTAL RELEASE PROGRAM FACILITY PERMIT WAS CURRENT.

RECOMMENDATION: CONTACT SAN JOSE FIRE DEPARTMENT FIRST RESPONDERS AND CONDUCT A SITE FAMILIARIZATION TOUR OF THE FACILITY.

Immediately correct any violation designated as a Class I or Class II violation. Correct all other violations no later than 10/23/2014, unless otherwise noted by the inspector.

Using the space provided, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed. Within 5 days of achieving compliance or within 35 days of the inspection date, whichever comes first, sign the certification statement below and return a copy of this report to HMCD. Time granted for correction of violations does not preclude any enforcement action by HMCD or other agencies. This facility may be subject to reinspection at any time. [Authority: HSC 25185(c), 25187.8, 25404.1.2(c)]

9/30/14
Received By: MR. MITCHELL COLE
ENVIRONMENTAL ENGINEER

Ruben D. Williams
Inspected By: EE0010090 - RUBEN WILLIAMS

Certification of Compliance

I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

	11/4/14
Signature of Owner/Operator	**Date**
AJAY M. MARATHE	SR VP OPERATIONS
Printed Name of Owner/Operator	**Title**

OFFICIAL NOTICE OF INSPECTION – SUPPLEMENTAL INFORMATION

This Official Notice of Inspection (NOI) documents the results of an inspection by HMCD, including a list of alleged violations, evidence in support of the alleged violations, corrective actions that must be taken by the facility, and general observations.

What am I supposed to do upon receiving a NOI?

- Correct the violations within 30 days of the inspection date, unless otherwise noted.
- In the "Corrective Actions Taken" column, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed.
- Certify that the facility has returned to compliance by signing and dating the certification statement at the end of the report.
- Make a photocopy of the NOI and any attachments for your records.
- Within 5 days of achieving compliance or 35 days of the inspection date, whichever comes first, return the original copy of the report and any attachments to HMCD at 1555 Berger Drive, Suite 300, San Jose, CA 95112-2716.

What if there are violations that cannot be corrected within 30 days?

For each violation that cannot be corrected within 30 days, submit a written Compliance Plan describing the corrective actions you propose to take and the date by which the actions will be completed. State law grants up to 30 days to correct minor violations without penalty. Minor violations that are uncorrected after 30 days, and class I and II violations may be subject to enforcement action. To lessen the possibility of enforcement action, correct all violations as soon as possible.

What if I disagree with a violation on the NOI?

If you disagree with any violation listed in this NOI, you must submit a written Notice of Disagreement to HMCD within 30 days of the inspection date. Address such notices to the attention of the inspector who cited the violation. In your Notice of Disagreement, explain in detail why you believe the alleged violation was incorrectly cited.

What about photographs or samples taken during the inspection?

A co-located sample will be given to you upon request if adequate sample volume is available. Photographs and sample analytical results will not generally be available until after the inspection has been concluded. A copy of photographs and/or analytical results will be provided to you upon written request. Photographs and sample analytical results may be withheld in the event of a criminal investigation or other ongoing investigation.

Key to Acronyms and Regulatory Terms

XX CCR	California Code of Regulations, Title XX
XX CFR	Code of Federal Regulations, Title XX
Class	Violation classification: I = Class I violation, II = Class II violation, M = Minor violation, C = Corrected minor violation [HSC §25110.8.5, HSC §25117.6, CCR §66260.10]
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HMCD	County of Santa Clara, Department of Environmental Health, Hazardous Materials Compliance Division
HSC	California Health and Safety Code
RCRA	Resource Conservation and Recovery Act
SCCO	Santa Clara County Ordinance Code
TSDF	Hazardous waste treatment, storage or disposal facility
UPCF	Unified Program Consolidated Form
UST	Underground storage tank
VC	HMCD violation code

Warning:

- It is a violation of State law to make a false statement that a facility has returned to compliance [HSC §25404.1.2(c)(2)].
- Making a false statement regarding a hazardous waste violation is punishable by a fine of not less than $2,000 or more than $25,000 and/or imprisonment in the county jail for up to one year [HSC §25191(b)].
- Making a false statement regarding an underground storage tank violation is punishable by a fine of not less than $500 or more than $5,000 [HSC §§25299(a)(8), 25299(b)(7)].
- HMCD has the right to require the submittal of reasonable and necessary documentation in support of any claim of compliance made by your facility [HSC §25187.8(i)].

Philips Lumileds Lighting Company - Commitment Approval Form

Legal Entity signing:	Philips Lumileds Lighting Company LLC		
Contract Owner Name:	Mitch Cole	**Contract Owner Phone #: 408-964-2562**	
Other Contracting Party(ies):	County of Santa Clara, Department of Environmental Health		
Department:	☒Sales	☐Manufacturing	☐R&D
	☐Purchasing	☐Marketing	☒Facilities

Summary:
Regulatory Agency with oversight of the Bulk Ammonia and Bulk Hydrogen under California's Accidental Release Program (CalARP) has found that the identification of public receptors was not precise enough relative to their interpretation of the code. To mitigate that finding, I developed a notification process using the existing Amerilert notification process. This particular request is to have the Owner/Operator (Sunil or higher) sign off on the certification of compliance. This will then go back to the agency. The process modifications meet the most stringent interpretations of the code.

Term of Commitment	Open
Total Spend	

Approving Authorities	**Applicable** Yes/no	**Name of Approver**	**Signature of Approver and Date** (signatory hereby confirms that he/she has reviewed and approved the Commitment)
Contract Owner (Technical/Commercial Terms)	Yes	Mitch Cole	10/28/14
Department Manager	Yes	Dan Janowski	10/28/14
2nd Level Manager	Yes	Sunil Thomas	10/28/14
VP Management	Yes	Ajay Marathe	11/4/14
Legal (Non IP, excluding Confidentiality Provisions)	No	Gina Flynn	
Environmental Compliance	Yes	Mitch Cole	10/28/14
Customer Service (including import/export)		Mike Neunfinger (and if applicable, Christine Rutherford)	

**Contract Owner must attach a completed Commitment Approval Form to every Contract Commitment submitted for signature on behalf of Philips Lumileds Lighting Company.*

Document No: EHS-4.4.7-04	Rev: AC
Title: Emergency Public Notification	Date Created: 7/30/08
Originator: Mitch Cole	Date Issued: 10/28/2014

1.0 Purpose:

1.1 To fulfill the public reporting requirements required by CalARP section 2765.2 (a)(1)(A)

2.0 Scope:

2.1 Philips Lumileds San Jose operations

3.0 Reference Documents:

3.1 California Code of Regulations Title 19 Chapter 4.5 Article 7 Emergency Response Program

4.0 Terms / Definitions:

4.1 CalARP: California Accidental Release Prevention

4.2 Release: A release of Ammonia from the ISO Bulk container that is greater than a line shear. This would be a tank rupture, explosion, burst disk failure or other catastrophic failure resulting in a large enough release to have offsite consequences.

4.3 CalARP Worst Case Scenario: assumes the entire contents of one full tanker is released and evaporated within 10 minutes. In this event, the dangerous end point is 1.9 miles from the source.

5.0 Responsibilities:

5.1 Incident Commander, ERT-IC: Identification of release size to initiate this procedure.

5.2 Security: Complete the public notification indicated within this procedure

6.0 Supplies / Materials:

6.1 Ammonia MSDS

6.1.1 http://pww.lighting.philips.com/lumileds click on Environment H&S, then Chemicals.

7.0 Equipment

7.1 NA

8.0 Safety / Environment:

8.1 NA

9.0 Requirements:

9.1 Complete the public notification as soon as possible after being instructed by the IC to do so.

9.2 Note: It is important not to over-report and cause undue fear within the community.

10.0 Procedure:

10.1 After notification from the IC that a public notification is necessary, complete the following:

10.2 Open Amerilert on the computer and log into the account.

10.3 Click on "Send Message"

10.4 Select "Ammonia Release Public Notification"

10.5 Select the following prepared message for delivery:

10.5.1 "This is an emergency notification that there has been a catastrophic failure with the Ammonia Storage vessels at the Philips Lumileds manufacturing site. The recommended action is to shelter in place – closing all windows and doors and eliminating other sources of outside air from entering your building. The location of the release is 370 West Trimble Road in San Jose. Either the Fire Department or Philips will call you back when it is safe to resume normal operations. Questions can be directed to the communications personnel at (408) 964-2695."

10.6 When the IC and/or the Lead Agency in charge at the time indicates, repeat the Amerilert process and select the following prepared "Ammonia Release All Clear" message (or enter other text as defined by the Lead Agency):

10.6.1 "This is a follow up of the Ammonia Release emergency notification made earlier by Philips Lumileds. The hazard has been eliminated and you may resume normal activities. Thank you for your cooperation."

11.0 Maintenance and Calibration:

11.1 EHS: Annual verification that the phone numbers in this procedure are accurate.

12.0 Process Control / Monitoring:

12.1 NA

CONFIDENTIAL
This is not a controlled document For a controlled copy of this document refer to Lumilink

13.0 Other:

13.1 Phone Numbers in the Amerilert "Ammonia Release Public Notification" group:

13.2 Schools:

13.2.1 Bachrodt Elementary School and Child Development Ctr: (408) 535-6211
102 Sonora Ave, San Jose

13.2.2 Child Development Centers (408) 556-7300
102 Sonora Ave, San Jose

13.2.3 Don Callejon School (408) 423-3300
4176 Lick Mill Rd, Santa Clara

13.2.4 Granada Islamic School (408) 980-1161
3003 Scott Blvd, Santa Clara

13.2.5 Headstart (408) 453-6500
1290 Ridder Park Drive, San Jose

13.2.6 Kool School Day Care (408) 567-9294
983 Laurie Avenue, Santa Clara

13.2.7 Knowledge preschool (408) 727-6764
2192 Hunter Place, Santa Clara

13.2.8 Montague Elementary School: (408) 423-1901
750 Laurie Avenue, Santa Clara

13.2.9 Montague Preschool: (408) 423-1917
720 Laurie Ave, Santa Clara

13.2.10 Orchard School (408) 944-0397
921 Fox Lane, San Jose

13.2.11 Pasitos School (408) 392-0000
102 Sonora Ave, San Jose

13.2.12 Santa Clara Sunshine Daycare and Learning Center (408) 391-2468
457 Greenwood Drive, Santa Clara

13.2.13 Standout Chinese School (408) 358-4968
699 East Brokaw Road, San Jose

13.2.14 Stepping Stone Works (408) 621-1037
3766 Pinewood Place, Santa Clara

13.2.15 Unitek College (510) 896-7529
1901 Charcot Avenue, San Jose

13.3 Daycare:

13.3.1 Anna's Daycare (408) 969-9930
4639 Snead Drive, Santa Clara

13.3.2 Community Child Care Council (408) 457-3104
150 River Oaks Parkway, San Jose

13.3.3 Hackett Child Care (408) 799-9803
4493 Cheeney Street, Santa Clara

13.3.4 Heads Up Child Development Ctr (408) 432-1644
2841 Junction Ave, San Jose

13.3.5 Little Learners Daycare (408) 391-2468
441 Greenwood Drive, Santa Clara

13.3.6 Martinson Child Development (408) 988-8296
1350 Hope Drive, Santa Clara

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

13.3.7 Matangi Family Daycare (408) 748-2525
901 Clyde Avenue, Santa Clara

13.3.8 Mission Bay, Inc. (408)433-3303
980 Rincon Circle, San Jose

13.3.9 San Juan Bautista Child Development (408)562-9141
3130 De La Cruz Blvd, Santa Clara

13.3.10 Santa Clara Sunshine Daycare (408) 391-2468
457 Greenwood Drive, Santa Clara

13.4 Hospitals (none within the 1.9 mile radius)

13.5 Airport: San Jose International (408) 277-5100

13.6 Churches

13.6.1 Golden State Baptist College (408) 988-8551
3530 DeLaCruz Blvd, Santa Clara

13.6.2 Glorious Bible Church (408) 441-1777
1358 Ridder Park Dr. San Jose

13.6.3 Mustard Seed Assemblies International (408) 573-9500
2350 Paragon Drive, San Jose

13.6.4 New Harvest Christian Fellowship (408) 437-6004
1362 Ridder Park Dr. San Jose

13.6.5 North Valley Baptist Church: (408) 988-8881
941 Clyde Ave, Santa Clara

13.6.6 River of Life Christian Church (408) 260-0257
1177 Laurelwood Rd, Santa Clara

13.6.7 Silicon Valley Church (408) 777-0500
2586 Seaboard Avenue, San Jose

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

Revision History Page

LCO No.	Date Issued	Originator	Owning Dept.	Rev	Reason For Update
	10/27/14	Mitch Cole	EHS	AB	Update the list of public receptors, on site communications officer. Update process to use Amerilert service.
	10/28/14	Mitch Cole	EHS	AC	Fix Standout Chinese school phone number.

CONFIDENTIAL
This is not a controlled document For a controlled copy of this document refer to Lumilink

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
Phone (408) 918-3400 Fax (408) 280-6479 www.EHinfo.org/hazmat

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744 **Inspection Date:** 09/23/2014
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131

HW Generator Type: NA ☐ RCRA LQG
Consent to Inspect Granted By: MR. MITCHELL COLE, ENVIRONMENTAL ENGINEER ☐ Pictures Taken
☐ Samples Taken

Summary of Violations & Notice to Comply

Program: PR0372265 - CAL ARP - 2113
Inspection Type: ROUTINE INSPECTION-COMPLETED

VC	Class	Violation	Corrective Actions Taken
C086	M	**Submitted a RMP which includes all requirements in Section 2745.3 to 2745.5 and 2745.8 to 2745.9** Failure to submit an Risk Management Plan (RMP) which includes all requirements described in Section 2745.3 through 2745.5 and 2745.8 through 2745.9. 19 CCR 4.5 2735.5(b)(1), 2735.5(d), 2745.1(a) ***VIOLATION : OWNER/OPERATOR SUBMITTED A RISK MANAGEMENT PLAN WHICH DID NOT INCLUDE ALL REQUIREMENTS IN SECTION 2745.4 (OFF SITE CONSEQUENCE ANALYSIS) TO IDENTIFY PUBLIC RECEPTORS WITHIN THE DISTANCE OF THE OFF SITE CONSEQUENCES ANALYSIS.*** ***REQUIREMENT: FACILITY MUST IDENTIFY ALL OFF SITE PUBLIC RECEPTORS WITHIN THE OFF SITE CONSEQUENCES ANALYSIS.*** ***CORRECTIVE ACTION: IDENTIFY ALL PUBLIC RECEPTORS IN THE OFF SITE CONSEQUENCE ANALYSIS AND INCLUDE IT IN THE RISK MANAGEMENT PLAN WITH CONTACT INFORMATION OF THE PUBLIC RECEPTORS AND A PLAN TO NOTIFY THEM IN THE EVENT OF AN EMERGENCY.***	

Comments: A PROGRAM 3 CALIFORNIA ACCIDENTAL RELEASE PREVENTION INSPECTION WAS CONDUCTED FOR THE REGULATED CHEMICALS ANHYDROUS AMMONIA AND HYDROGEN. A FACILITY WALK THROUGH WAS CONDUCTED WITH MITCHELL COLE-eNVIRONMENTAL ENGINEER AND THE 4 ANHYDROUS AMMONIA TRAILERS AND THE HYDROGEN TANK AND ASSOCIATED PROCESS EQUIPMENT. NO OBSERVATIONS WERE NOTED DURING THE WALK THROUGH.

THE FOLLOWING DOCUMENTATION WAS REVIEWED DURING THE INSPECTION:
1. RISK MANAGEMENT PLAN (RMP) DATED NOVEMBER 2010. THIS RMP WAS FOUND SATISFACTORY. NEXT FIVE YEAR RMP UPDATE DUE NOVEMBER 2015.

2. INCIDENT INVESTIGATION LOG. THE FACILITY HAS NOT HAD A CALARP CHEMICAL RELEASE IN THE LAST 3 YEARS.

3. EMPLOYEE ERT TRAINING RECORDS DATED 9/18/2014. THESE EMPLOYEE TRAINING RECORDS WERE FOUND SATISFACTORY. PHILIPS LUMILEDS CONTRACTS ALL ITS MAINTENANCE ON THE ANHYDROUS AMMONIA AND HYDROGEN SYSTEMS WITH AIR PRODUCTS.

4. CONTRACTORS RIGHT TO KNOW DOCUMENTATION EXPLAINING THE HAZARDS OF THE FACILITY WAS FOUND SATISFACTORY.

5. FACILITY HOT WORK PERMITS WERE REVIEWED AND FOUND SATISFACTORY.

6 .ANHYDROUS AMMONIA AND HYDROGEN SENSOR PREVENTIVE MAINTENANCE AND CALIBRATION DOCUMENTATION WAS FOUND SATISFACTORY. ANHYDROUS AMMONIA AND HYDROGEN SENSORS ARE CALIBRATED ANNUALLY.

7. HAZARDOUS MATERIALS BUSINESS PLAN (ELECTRONICALLY FILED VIA CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM IN 2014) WAS FOUND ADMINISTRATIVELY SATISFACTORY. A MORE DETAILED COMPREHENSIVE INSPECTION WILL BE CONDUCTED AT A LATER DATE.

8. MATERIAL SAFETY DATA SHEETS FOR ANHYDROUS AMMONIA AND HYDROGEN WERE FOUND SATISFACTORY.

9. FACILITY HAS A COMPREHENSIVE PREVENTATIVE MAINTENANCE PROGRAM IN PLACE. ALL ROUTINE AND

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744 Inspection Date: 09/23/2014
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131

Summary of Violations & Notice to Comply

PREVENTATIVE MAINTENANCE IS DOCUMENTED.

10. FACILITY OPERATING PROCEDURES ARE WELL DOCUMENTED AND WERE FOUND SATISFACTORY. (11/19/2010 FOR ANHYDROUS AMMONIA AND 9/4/2013 FOR HYDROGEN).

11. PROCESS HAZARD ANALYSIS DONE ON AUGUST 20, 2013 WAS WELL DOCUMENTED ANS ALL RECOMMENDATIONS WERE ACTED UPON.

12. TWO COVERED PROCESS MODIFICATIONS WERE CARRIED OUT (2010 FOR ANHYDROUS AMMONIA AND 2013 FOR HYDROGEN) AND WERE DOCUMENTED. THE FACILITIES CONTRACTOR AIR PRODUCTS PREPARED THE COVERED PROCESS MODIFICATION DOCUMENTATION.

13. A SEISMIC ASSESSMENT AND PROCESS WALK THROUGH CONDUCTED ON DECEMBER 5, 2013 WAS WELL DOCUMENTED AND SIGN BY A PROFESSIONAL ENGINEER. ALL RECOMMENDATIONS WERE CARRIED OUT DURING THE INSTALLATION OF THE PROCESS EQUIPMENT.

14. UPDATED RMP ELECTRONIC SUBMIT(RMP E-SUBMIT) TO FEDERAL EPA REGION 9 DATED DECEMBER 16, 2013 WAS REVIEWED AND FOUND SATISFACTORY. THIS SUBMITTAL WAS FOR THE ADDITION OF THE HYDROGEN TANK.

15 .FACILITY EMERGENCY RESPONSE PLAN DATED NOVEMBER 19, 2010 WAS REVIEWED AND FOUND SATISFACTORY.

16. CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION DATED OCTOBER 28, 2013 WAS REVIEWED AND FOUND CURRENT.

17. CALIFORNIA ACCIDENTAL RELEASE PROGRAM FACILITY PERMIT WAS CURRENT.

RECOMMENDATION: CONTACT SAN JOSE FIRE DEPARTMENT FIRST RESPONDERS AND CONDUCT A SITE FAMILIARIZATION TOUR OF THE FACILITY.

Immediately correct any violation designated as a Class I or Class II violation. Correct all other violations no later than 10/23/2014, unless otherwise noted by the inspector.

Using the space provided, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed. Within 5 days of achieving compliance or within 35 days of the inspection date, whichever comes first, sign the certification statement below and return a copy of this report to HMCD. Time granted for correction of violations does not preclude any enforcement action by HMCD or other agencies. This facility may be subject to reinspection at any time. [Authority: HSC 25185(c), 25187.8, 25404.1.2(c)]

Received By: MR. MITCHELL COLE 9/30/14
ENVIRONMENTAL ENGINEER

Inspected By: EE0010090 - RUBEN WILLIAMS

Certification of Compliance

I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

Signature of Owner/Operator | Date

Printed Name of Owner/Operator | Title

OFFICIAL NOTICE OF INSPECTION – SUPPLEMENTAL INFORMATION

This Official Notice of Inspection (NOI) documents the results of an inspection by HMCD, including a list of alleged violations, evidence in support of the alleged violations, corrective actions that must be taken by the facility, and general observations.

What am I supposed to do upon receiving a NOI?

- Correct the violations within 30 days of the inspection date, unless otherwise noted.
- In the "Corrective Actions Taken" column, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed.
- Certify that the facility has returned to compliance by signing and dating the certification statement at the end of the report.
- Make a photocopy of the NOI and any attachments for your records.
- Within 5 days of achieving compliance or 35 days of the inspection date, whichever comes first, return the original copy of the report and any attachments to HMCD at 1555 Berger Drive, Suite 300, San Jose, CA 95112-2716.

What if there are violations that cannot be corrected within 30 days?

For each violation that cannot be corrected within 30 days, submit a written Compliance Plan describing the corrective actions you propose to take and the date by which the actions will be completed. State law grants up to 30 days to correct minor violations without penalty. Minor violations that are uncorrected after 30 days, and class I and II violations may be subject to enforcement action. To lessen the possibility of enforcement action, correct all violations as soon as possible.

What if I disagree with a violation on the NOI?

If you disagree with any violation listed in this NOI, you must submit a written Notice of Disagreement to HMCD within 30 days of the inspection date. Address such notices to the attention of the inspector who cited the violation. In your Notice of Disagreement, explain in detail why you believe the alleged violation was incorrectly cited.

What about photographs or samples taken during the inspection?

A co-located sample will be given to you upon request if adequate sample volume is available. Photographs and sample analytical results will not generally be available until after the inspection has been concluded. A copy of photographs and/or analytical results will be provided to you upon written request. Photographs and sample analytical results may be withheld in the event of a criminal investigation or other ongoing investigation.

Key to Acronyms and Regulatory Terms

XX CCR	California Code of Regulations, Title XX
XX CFR	Code of Federal Regulations, Title XX
Class	Violation classification: I = Class I violation, II = Class II violation, M = Minor violation, C = Corrected minor violation [HSC §25110.8.5, HSC §25117.6, CCR §66260.10]
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HMCD	County of Santa Clara, Department of Environmental Health, Hazardous Materials Compliance Division
HSC	California Health and Safety Code
RCRA	Resource Conservation and Recovery Act
SCCO	Santa Clara County Ordinance Code
TSDF	Hazardous waste treatment, storage or disposal facility
UPCF	Unified Program Consolidated Form
UST	Underground storage tank
VC	HMCD violation code

Warning:

- It is a violation of State law to make a false statement that a facility has returned to compliance [HSC §25404.1.2(c)(2)].
- Making a false statement regarding a hazardous waste violation is punishable by a fine of not less than $2,000 or more than $25,000 and/or imprisonment in the county jail for up to one year [HSC §25191(b)].
- Making a false statement regarding an underground storage tank violation is punishable by a fine of not less than $500 or more than $5,000 [HSC §§25299(a)(8), 25299(b)(7)].
- HMCD has the right to require the submittal of reasonable and necessary documentation in support of any claim of compliance made by your facility [HSC §25187.8(i)].

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
Phone (408) 918-3400 Fax (408) 280-6479 www.EHinfo.org/hazmat

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744 **Inspection Date:** 09/23/2014
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131

HW Generator Type: NA
Consent to Inspect Granted By: MR. MITCHELL COLE, ENVIRONMENTAL ENGINEER

☐ RCRA LQG
☐ Pictures Taken
☐ Samples Taken

Summary of Violations & Notice to Comply

Program: PR0372265 - CAL ARP - 2113
Inspection Type: ROUTINE INSPECTION-COMPLETED

VC	Class	Violation	Corrective Actions Taken
C086	M	**Submitted a RMP which includes all requirements in Section 2745.3 to 2745.5 and 2745.8 to 2745.9** Failure to submit an Risk Management Plan (RMP) which includes all requirements described in Section 2745.3 through 2745.5 and 2745.8 through 2745.9. 19 CCR 4.5 2735.5(b)(1), 2735.5(d), 2745.1(a) ***VIOLATION : OWNER/OPERATOR SUBMITTED A RISK MANAGEMENT PLAN WHICH DID NOT INCLUDE ALL REQUIREMENTS IN SECTION 2745.4 (OFF SITE CONSEQUENCE ANALYSIS) TO IDENTIFY PUBLIC RECEPTORS WITHIN THE DISTANCE OF THE OFF SITE CONSEQUENCES ANALYSIS.*** ***REQUIREMENT: FACILITY MUST IDENTIFY ALL OFF SITE PUBLIC RECEPTORS WITHIN THE OFF SITE CONSEQUENCES ANALYSIS.*** ***CORRECTIVE ACTION: IDENTIFY ALL PUBLIC RECEPTORS IN THE OFF SITE CONSEQUENCE ANALYSIS AND INCLUDE IT IN THE RISK MANAGEMENT PLAN WITH CONTACT INFORMATION OF THE PUBLIC RECEPTORS AND A PLAN TO NOTIFY THEM IN THE EVENT OF AN EMERGENCY.***	

Comments: A PROGRAM 3 CALIFORNIA ACCIDENTAL RELEASE PREVENTION INSPECTION WAS CONDUCTED FOR THE REGULATED CHEMICALS ANHYDROUS AMMONIA AND HYDROGEN. A FACILITY WALK THROUGH WAS CONDUCTED WITH MITCHELL COLE-eNVIRONMENTAL ENGINEER AND THE 4 ANHYDROUS AMMONIA TRAILERS AND THE HYDROGEN TANK AND ASSOCIATED PROCESS EQUIPMENT. NO OBSERVATIONS WERE NOTED DURING THE WALK THROUGH.

THE FOLLOWING DOCUMENTATION WAS REVIEWED DURING THE INSPECTION:
1. RISK MANAGEMENT PLAN (RMP) DATED NOVEMBER 2010. THIS RMP WAS FOUND SATISFACTORY. NEXT FIVE YEAR RMP UPDATE DUE NOVEMBER 2015.

2. INCIDENT INVESTIGATION LOG. THE FACILITY HAS NOT HAD A CALARP CHEMICAL RELEASE IN THE LAST 3 YEARS.

3. EMPLOYEE ERT TRAINING RECORDS DATED 9/18/2014. THESE EMPLOYEE TRAINING RECORDS WERE FOUND SATISFACTORY. PHILIPS LUMILEDS CONTRACTS ALL ITS MAINTENANCE ON THE ANHYDROUS AMMONIA AND HYDROGEN SYSTEMS WITH AIR PRODUCTS.

4. CONTRACTORS RIGHT TO KNOW DOCUMENTATION EXPLAINING THE HAZARDS OF THE FACILITY WAS FOUND SATISFACTORY.

5. FACILITY HOT WORK PERMITS WERE REVIEWED AND FOUND SATISFACTORY.

6 .ANHYDROUS AMMONIA AND HYDROGEN SENSOR PREVENTIVE MAINTENANCE AND CALIBRATION DOCUMENTATION WAS FOUND SATISFACTORY. ANHYDROUS AMMONIA AND HYDROGEN SENSORS ARE CALIBRATED ANNUALLY.

7. HAZARDOUS MATERIALS BUSINESS PLAN (ELECTRONICALLY FILED VIA CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM IN 2014) WAS FOUND ADMINISTRATIVELY SATISFACTORY. A MORE DETAILED COMPREHENSIVE INSPECTION WILL BE CONDUCTED AT A LATER DATE.

8. MATERIAL SAFETY DATA SHEETS FOR ANHYDROUS AMMONIA AND HYDROGEN WERE FOUND SATISFACTORY.

9. FACILITY HAS A COMPREHENSIVE PREVENTATIVE MAINTENANCE PROGRAM IN PLACE. ALL ROUTINE AND

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744 **Inspection Date:** 09/23/2014
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 90, SAN JOSE, CA 95131

Summary of Violations & Notice to Comply

PREVENTATIVE MAINTENANCE IS DOCUMENTED.

10. FACILITY OPERATING PROCEDURES ARE WELL DOCUMENTED AND WERE FOUND SATISFACTORY. (11/19/2010 FOR ANHYDROUS AMMONIA AND 9/4/2013 FOR HYDROGEN).

11. PROCESS HAZARD ANALYSIS DONE ON AUGUST 20, 2013 WAS WELL DOCUMENTED ANS ALL RECOMMENDATIONS WERE ACTED UPON.

12. TWO COVERED PROCESS MODIFICATIONS WERE CARRIED OUT (2010 FOR ANHYDROUS AMMONIA AND 2013 FOR HYDROGEN) AND WERE DOCUMENTED. THE FACILITIES CONTRACTOR AIR PRODUCTS PREPARED THE COVERED PROCESS MODIFICATION DOCUMENTATION.

13. A SEISMIC ASSESSMENT AND PROCESS WALK THROUGH CONDUCTED ON DECEMBER 5, 2013 WAS WELL DOCUMENTED AND SIGN BY A PROFESSIONAL ENGINEER. ALL RECOMMENDATIONS WERE CARRIED OUT DURING THE INSTALLATION OF THE PROCESS EQUIPMENT.

14. UPDATED RMP ELECTRONIC SUBMIT(RMP E-SUBMIT) TO FEDERAL EPA REGION 9 DATED DECEMBER 16, 2013 WAS REVIEWED AND FOUND SATISFACTORY. THIS SUBMITTAL WAS FOR THE ADDITION OF THE HYDROGEN TANK.

15 .FACILITY EMERGENCY RESPONSE PLAN DATED NOVEMBER 19, 2010 WAS REVIEWED AND FOUND SATISFACTORY.

16. CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION DATED OCTOBER 28, 2013 WAS REVIEWED AND FOUND CURRENT.

17. CALIFORNIA ACCIDENTAL RELEASE PROGRAM FACILITY PERMIT WAS CURRENT.

RECOMMENDATION: CONTACT SAN JOSE FIRE DEPARTMENT FIRST RESPONDERS AND CONDUCT A SITE FAMILIARIZATION TOUR OF THE FACILITY.

Immediately correct any violation designated as a Class I or Class II violation. Correct all other violations no later than 10/23/2014, unless otherwise noted by the inspector.

Using the space provided, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed. Within 5 days of achieving compliance or within 35 days of the inspection date, whichever comes first, sign the certification statement below and return a copy of this report to HMCD. Time granted for correction of violations does not preclude any enforcement action by HMCD or other agencies. This facility may be subject to reinspection at any time. [Authority: HSC 25185(c), 25187.8, 25404.1.2(c)]

Received By: MR. MITCHELL COLE 9/30/14
ENVIRONMENTAL ENGINEER

Inspected By: EE0010090 - RUBEN WILLIAMS

Certification of Compliance

I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

Signature of Owner/Operator	**Date**
Printed Name of Owner/Operator	**Title**

OFFICIAL NOTICE OF INSPECTION – SUPPLEMENTAL INFORMATION

This Official Notice of Inspection (NOI) documents the results of an inspection by HMCD, including a list of alleged violations, evidence in support of the alleged violations, corrective actions that must be taken by the facility, and general observations.

What am I supposed to do upon receiving a NOI?

- Correct the violations within 30 days of the inspection date, unless otherwise noted.
- In the "Corrective Actions Taken" column, write a brief description of the actions taken by the facility to correct each violation. Attach additional pages if more space is needed.
- Certify that the facility has returned to compliance by signing and dating the certification statement at the end of the report.
- Make a photocopy of the NOI and any attachments for your records.
- Within 5 days of achieving compliance or 35 days of the inspection date, whichever comes first, return the original copy of the report and any attachments to HMCD at 1555 Berger Drive, Suite 300, San Jose, CA 95112-2716.

What if there are violations that cannot be corrected within 30 days?

For each violation that cannot be corrected within 30 days, submit a written Compliance Plan describing the corrective actions you propose to take and the date by which the actions will be completed. State law grants up to 30 days to correct minor violations without penalty. Minor violations that are uncorrected after 30 days, and class I and II violations may be subject to enforcement action. To lessen the possibility of enforcement action, correct all violations as soon as possible.

What if I disagree with a violation on the NOI?

If you disagree with any violation listed in this NOI, you must submit a written Notice of Disagreement to HMCD within 30 days of the inspection date. Address such notices to the attention of the inspector who cited the violation. In your Notice of Disagreement, explain in detail why you believe the alleged violation was incorrectly cited.

What about photographs or samples taken during the inspection?

A co-located sample will be given to you upon request if adequate sample volume is available. Photographs and sample analytical results will not generally be available until after the inspection has been concluded. A copy of photographs and/or analytical results will be provided to you upon written request. Photographs and sample analytical results may be withheld in the event of a criminal investigation or other ongoing investigation.

Key to Acronyms and Regulatory Terms

XX CCR	California Code of Regulations, Title XX
XX CFR	Code of Federal Regulations, Title XX
Class	Violation classification: I = Class I violation, II = Class II violation, M = Minor violation, C = Corrected minor violation [HSC §25110.8.5, HSC §25117.6, CCR §66260.10]
DTSC	California Department of Toxic Substances Control
EPA	U.S. Environmental Protection Agency
HMCD	County of Santa Clara, Department of Environmental Health, Hazardous Materials Compliance Division
HSC	California Health and Safety Code
RCRA	Resource Conservation and Recovery Act
SCCO	Santa Clara County Ordinance Code
TSDF	Hazardous waste treatment, storage or disposal facility
UPCF	Unified Program Consolidated Form
UST	Underground storage tank
VC	HMCD violation code

Warning:

- It is a violation of State law to make a false statement that a facility has returned to compliance [HSC §25404.1.2(c)(2)].
- Making a false statement regarding a hazardous waste violation is punishable by a fine of not less than $2,000 or more than $25,000 and/or imprisonment in the county jail for up to one year [HSC §25191(b)].
- Making a false statement regarding an underground storage tank violation is punishable by a fine of not less than $500 or more than $5,000 [HSC §§25299(a)(8), 25299(b)(7)].
- HMCD has the right to require the submittal of reasonable and necessary documentation in support of any claim of compliance made by your facility [HSC §25187.8(i)].

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
Phone (408) 918-3400 Fax (408) 280-6479 www.EHinfo.org/hazmat

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 91BJ
SAN JOSE, CA 95131

Inspection Date: 6/2/2011

HW Generator Type: NA
Consent to Inspect Granted By: MITCH COLE, ENVIRONMENTAL ENGINEER
Programs Inspected:

☐ Hazardous Waste Generator ☐ Hazmat Business Plan ☐ Underground Storage Tank ☑ Cal-ARP
☐ HazWaste Tiered Permit ☐ HazMat Storage ☐ A/G Storage Tank ☐ Toxic Gas

☐ **RCRA LQG**
☐ **Pictures Taken**
☐ **Samples Taken**

Summary of Violations & Notice to Comply

Program: PR0372265 - CAL ARP - 2113
Inspection Type: ROUTINE INSPECTION

VC	Class	Violation	Corrective Actions Taken
		No violations were observed during this inspection.	

Comments: ***THE FOLLOWING CALARP DOCUMENTS WERE REVIEWED ON SITE AND FOUND SATISFACTORY:***
1. EMERGENCY RESPONSE PROGRAM DATED 11/19/2010
2. THREE YEAR COMPLIANCE AUDIT DATED JULY 2008
3. INCIDENT INVESTIGATION REPORT OF ANHYDROUS AMMONIA RELEASE 11/11/2009
4. FACILITY HOT WORK PERMIT
5. ERT TRAINING DATED 5/12/2011
6. CONTRACTOR NOTIFICATION OF HAZARDS DATED 5/3/2011
7. HAZARDOUS MATERIALS BUSINESS PLAN DATED 3/17/2010
8. CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM DATED 8/23/2010
9. SENSORS ARE CALIBRATED SEMI-ANNUALLY AND THE AMMONIA ALARM SYSTEM (HORNS/STROBES/SENSORS) ARE ALSO TESTED SEMIANNUAL. AMMONIA SENSOR CALIBRATION RECORDS WERE REVIEWED. LAST CALIBRATION WAS CONDUCTED ON 3/4/2011.
10. MATERIAL SAFETY DATA SHEET FOR AMMONIA DATED 7/27/2009
11. PROCESS HAZARD ANALYSIS DATED 8/9/2010 (ALL RECOMMENDATIONS WERE ACTED ON OR CLOSED OUT BY FACILITIES PERSONNEL.

FACILITY PERSONNEL COORDINATED WITH LOCAL PLANNING COMMISSION TO DETERMINE WHO WOULD NOTIFY OFF SITE RECEPTORS IN CASE OF AN AMMONIA RELEASE FROM THE FACILITY. AGREEMENT WAS MADE THAT THE LOCAL PLANNING COMMISSION WOULD BE THE LEAD AGENCY TO NOTIFY OFF SITE RECEPTORS. A EMERGENCY PUBLIC NOTIFICATION SOP WAS CREATED FROM THE LAST INSPECTION. (7/30/2008). VERIFY IN WRITING THE LOCAL PLANNING COMMISSION THEY WILL MAKE THE NOTIFICATION.

FACILITY WALK THROUGH WAS CONDUCTED TO VERIFY THAT SEVERAL CALARP CHEMICALS ON SITE WERE BELOW CALARP REPORTING THRESHOLDS. EXCEPT FOR ANHYDROUS AMMONIA ALL CALARP

REPORTABLE CHEMICALS WERE BELOW THRESHOLD QUANTITIES.

RECOMMENDATION: ANHYDROUS AMMONIA IS NO LONGER STORED IN BAY A GAS STORAGE AREA. REMOVE "AMMONIA" SIGN.

COVERED PROCESS MODIFICATION WAS DONE ON 7/4/2010 FOR TWO NEW ANHYDROUS AMMONIA BULK TANKS COMPLETING THE BUILD OUT OF THE BULK AMMONIA STORAGE SYSTEM.

SAN JOSE FIRE DEPARTMENT CONDUCTED A SITE FAMILIARIZATION WALK THROUGH TO FAMILIARIZE THEMSELVES WITH THE FACILITY.

FACILITY NEXT THREE YEAR COMPLIANCE AUDIT IS DUE NOVEMBER 2010.

FACILITY IS CURRENTLY IN COMPLIANCE WITH CCR TITLE 19 CALARP REQUIREMENTS.

OFFICIAL NOTICE OF INSPECTION

Facility ID: FA0252744
Facility Name: PHILIPS LUMILEDS LIGHTING CO
Site Address: 370 W TRIMBLE RD 91BJ
SAN JOSE, CA 95131

Inspection Date: 6/2/2011

Immediately correct any violation designated as a Class I or Class II violation. Correct all other violations no later than 07/02/2011, unless otherwise noted by the inspector.

Using the space provided, write a brief description of the actions taken by the facility to correct each violation Attach additional pages if more space is needed Within 5 days of achieving compliance or within 35 days of the inspection date, whichever comes first, sign the certification statement below and return a copy of this report to HMCD. Time granted for correction of violations does not preclude any enforcement action by HMCD or other agencies This facility may be subject to reinspection at any time. [Authority: HSC 25185(c), 25187.8, 25404 1 2(c)]

6/2/11
Received By: MITCH COLE

Ruben Williams 6/2/11
Inspected By: RUBEN WILLIAMS - EE0010090

Certification of Compliance

I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

Signature of Owner/Operator | **Date**

Printed Name of Owner/Operator | **Title**

22

PHILIPS

RECEIVED BY:
SANTA CLARA COUNTY
DEPT OF ENV. HEALTH
2008 AUG 5 AM 10:43

CERTIFIED MAIL ARTICLE NUMBER: 7099 3400 0016 2568 5665

Mr Ruben Williams
County of Santa Clara
HMCD
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716

Philips Lumileds Lighting Company

370 West Trimble Road
San Jose, California 95131

Subject:
Inspection follow up from 7/2/08 Report

Date: 07/31/2008

Dear Mr. Williams:

Enclosed is the completed inspection report for the corrective actions associated with your recent inspection.

The public notification procedure is still in draft form because nobody is answering the phones at the schools during the summer. Therefore, I can't verify the contact information with them until school resumes. I expect to finalize that procedure by the middle of September.

The Y-cylinder (500 pound) storage area still exists, but the storage quantity has been reduced from 5000 pounds down to 4000 pounds, now in conformance with the registration form.

If you would like to see copies of any of the modified/new procedures or records, please let me know.

Sincerely,

Mitch Cole
Environmental Engineer

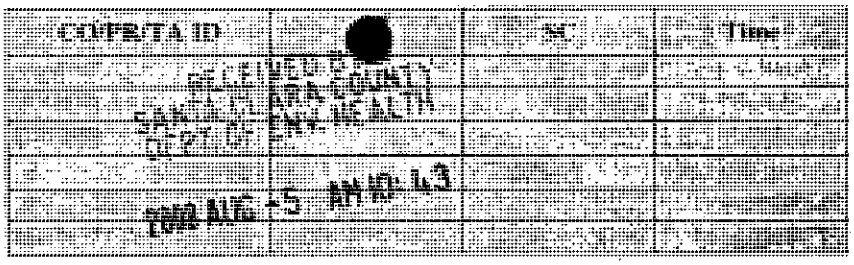
enclosure

PHILIPS

Tel. +1 408 964 2562
Fax: +1 408 964 5358
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
1555 Berger Drive, Suite 300
San Jose. CA 95112-2716
(408) 918-3400 Fax (408) 280-6479 www.EHinfo.org



OFFICIAL NOTICE OF INSPECTION

Facility Name: Philips Lumileds Lighting Co	Inspection Date: 6/17/2008
Site Address: 370 West Trimble Rd, San Jose	Employee No.: 10090
Contact Person(s): Mitch Cole	☐ Samples Taken ☐ Photographs Taken
Inspection Type: ☐ Hazardous Materials Storage ☐ HazMat Business Plan ☐ Underground Storage Tank ☐ A/G Storage Tank (SPCC Plan) ☐ Hazardous Waste Generator ☐ HazWaste Tiered Permit ☒ Cal-ARP ☐ Toxic Gas	Hazardous Waste Generator Type: ☐ < 1,000 Kg./mo ☐ ≥ 1,000 Kg./mo ☐ CESQG ☐ Satellite Only ☐ Silver Only ☐ N/A

VIOLATIONS: Codes noted below in the "Violation Codes" column represent specific violations of State law and/or local Ordinance. These codes are defined in the attached Violation Codes document(s). Time granted for correction of violations does not preclude any enforcement action by this Department or other agencies.
This facility may be subject to reinspection at any time. Consent to Inspect Given By: X

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2500	Update California Accidental Release Prevention Program Registration Form for the regulated chemical chlorine that no longer meets the threshold Quantity that is stored or used at the facility. Submit registration form to HMCD within 30 days.	Completed 7/9/08
2508	Remove reference of SIGRF (Compressed gas cylinder cotting) from the emergency response plan because this peice of equipment is no longer at the facility. Update this portion of the Emergency Response Program Component.	Completed 7/16/08

All violations must be corrected within 30 days of the inspection date unless noted otherwise, above. Section 25404.1.2(c)(1) of California Health and Safety Code (HSC) requires that you write a brief description of the corrective actions you have taken to bring this facility into compliance and submit it to HMCD within 5 days of achieving compliance, or within 35 days of the inspection date, whichever comes first. ***(Note: Detailed instructions on actions you must take are printed on the reverse side of this page.)***

Received by: X 7/2/08 Inspected by: Ruben D. Williams Entered by: _____

Certification: I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

Signature of Owner/Operator: _____ Title: Env. Engineer Date: 7/31/08

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

THE OFFICIAL NOTICE OF INSPECTION EXPLAINED

This Official Notice of Inspection (NOI) describes the findings made during the inspection, including all violations and any actions that must be taken by the facility to correct the violations. All violations must be corrected within 30 days of the inspection date unless noted otherwise by the inspector.

Within five working days of achieving compliance, or within 35 days of the inspection, whichever comes first, you must submit a written response which describes the corrective actions you have taken or — for those violations which are impossible to correct within 30 days — propose to take in order to bring your facility into compliance. Where proposed corrective actions are described, you must specify a date by which you expect each violation to be corrected. After you have addressed each violation, complete the certification box located at the bottom of page 1 of the NOI. **Your description of corrective actions taken, along with your signed certification of the NOI and any required supporting documents, will serve as your written response to this Notice to Comply.** Your response must be mailed to Santa Clara County Hazardous Materials Compliance Division (HMCD) at 1555 Berger Drive, Suite 300, San Jose, CA 95112-2716. The effective date of the certification that any violation has been corrected is the date that it is postmarked.

What Does the Information in Each Column Mean?

Violation Code: Codes listed in this column identify specific violations of laws, regulations, or codes which were observed during this inspection. Definitions of Violation Codes are listed on the attached Violation Codes document(s).

Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions: Information noted in this column describes the circumstances of any violations noted in the first column and describes how the violations may be corrected. Additionally, the inspector may use this space to note any additional observations resulting from the inspection.

Corrective Actions Taken: This column on the NOI has been provided so that you can note how you have corrected or propose to correct each violation. Where proposed corrective actions are described, you must specify a date by which you expect each violation to be corrected. If more space is needed, attach additional pages.

Why Were Two Copies of the Notice of Inspection Given to Me?

You have been given two copies so you will have a copy for your own records after you submit your written response to HMCD. **Do not separate the copies until you have described all of your corrective actions and signed the certification box on page 1. The yellow copy of each page must be returned to HMCD. The pink copy is for your records.**

What if I Disagree With a Violation Noted on the Notice of Inspection?

If you disagree with any violation listed in this NOI, you must submit a written Notice of Disagreement to HMCD within 30 days of the inspection date. Address such notices to the attention of the inspector who cited the violation. In your Notice of Disagreement, you must explain in detail why you believe the violation does not exist. If there is sufficient space, you may use the "Corrective Actions Taken" column of this NOI to dispute violations.

What About Photographs or Samples Taken During the Inspection?

If samples were taken, split samples will be given to you upon request. Since this NOI was prepared and given to you at the end of the inspection, any photographs and sampling or laboratory results associated with the inspection were not yet available. A copy of any photographs and/or analytical results from sampling taken during this inspection will be provided to you upon written request. Other pertinent information derived from the inspection is attached to this NOI. Photographs and sample results may be withheld in the event of a criminal investigation or other ongoing investigation.

****

- **Per HSC §§25187.8(b) and 25404.1.2(c), failure to sign the certification on this Notice to Comply and return it to HMCD is a violation of State law.**
- **Per HSC §25404.1.2(c)(2), a false statement that compliance has been achieved is a misdemeanor.**
- **Per HSC §25191(b), a false statement that hazardous waste compliance has been achieved is a violation of State law punishable by a fine of not less than $2,000 or more than $25,000 and/or imprisonment in the county jail for up to one year.**
- **Per HSC §§25299(a)(8) and (b)(7), a false statement that underground storage tank compliance has been achieved is a violation of State law punishable by a fine of not less than $500 or more than $5,000.**
- **Per HSC §§25187.8(i), HMCD has the right to require the submittal of reasonable and necessary documentation in support of any claim of compliance made by your facility.**

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION
(Continuation Page)

Facility Name: Philips Lumileds Lighting Company, 370 W. Trimble Rd, San Jose **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2508 (continued)	Remove Romic and ~~Clean~~ RMW Harbors Emergency Response Contractors from Emergency Response Program as they are no longer used by the facility. Update Emergency Spill response contractor information	Completed 7/16/08
	Include in the emergency response program component information on emergency health care and which health care facility (hospital) would employees be sent to. Add address and phone number of hospital to emergency response plan.	Completed 7/16/08
	Have MERT (Medical Emergency Response Team) Team review first aid information and health affects of Ammonia and Chlorine Gas exposure. Also make SOP to emergency response plan on how employees are to respond to Ammonia or Chlorine gas releases.	Completed 7/15/08
2-1	Write a written procedure for notifying the public (Affected receptors) in the event of a Ammonia or Chlorine Gas release and add it to the Emergency Response Plan Component.	Completed 7/30/08

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION

(Continuation Page)

Facility Name: Philips Lumileds Lighting **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2508 (continued)	Label Liquid Ammonium Hydroxide Storage Area and come up with a procedure to stay below the CAL ARP threshold of liquid Ammonium Hydroxide (Threshold value is 500 pounds) or submit new registration for Liquid Ammonium Hydroxide.	Completed 7/25/08
2524	Document Daily Inspection of Bulk Ammonia Gas Storage Area. Currently being done daily but not documented. Provided facility with unidocs inspection forms.	Completed 7/21/08
2510	A second Anhydrous Ammonia Storage area was observed with the quantities that triggered the CAL ARP Threshold Quantities. Either lower Storage Quantities or add the Storage area to the Risk Management Plan and manage accordingly.	Two of the 10 Y-cylinders were sent back to Air Products 7/11/08 to bring quantity to the amount listed on registration document (2000 pounds)
	Recommendation: Call local fire department and conduct a familiarization tour of your facility where the CAL ARP chemicals are stored or in use.	Scheduled for 10/1, 10/2/08

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION
(Continuation Page)

Facility Name: Philips Lumileds Lighting Company: 370 W. Trimble Rd, San Jose **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2527	Note: Three Year Compliance Audit is due in July 2008. Conduct Compliance Audit and document a report of the findings of the Audit and document appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected.	Initiated on 7/15/08

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

Governor's Office Emergency Services

Hazardous Materials Spill Report

DATE: 02/13/2014 TIME: 0651	RECEIVED BY:	CONTROL#: Cal OES - **14-0871** NRC -

1.a. PERSON NOTIFYING Cal OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
	Phillips Lumileds Lighting Co			

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<*Amount*	*Measure*	c. TYPE:	d. OTHER:	e. PIPELINE	f. VESSEL >= 300 Tons
1. Water Vapor	< 1	Lbs.	OTHER	Water	No	No
2.	=				No	No
3.	=				No	No

g. DESCRIPTION: ** HISTORICAL ** 10/17/2013 An unanticipated combustion of hydrogen caused a release of water vapor. This was in the process of diluting the hydrogen. A couple of grams of Trimethyl Gallium sparked due to operator error, a valve was not used properly. The building was evacuated as a precaution for about an hour, no injuries or exposures reported.

h. CONTAINED:	i. WATER INVOLVED:	j. WATERWAY:	k. DRINKING WATER IMPACTED
Unknown	No		

l. KNOWN IMPACT

3. a. INCIDENT LOCATION: 370 West Trimble Road

b. CITY:	c. COUNTY:	d. ZIP:	
San Jose	Santa Clara County	95131	BAY AREA AQMD

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME *(Military)*	c. SITE:	d. CAUSE
10/17/2013	0542	Other **Description for Other :** Semi conductor Manufacturing	Human Error

e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
No	No	Yes Evacs #: 50	Unrecoverable

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:
Fire Dept.		911

d. ADMIN. AGENCY: Santa Clara County Department of Environmental Health

e. SEC. AGENCY:

f. ADDITIONAL COUNTY:

g. ADMIN. AGENCY:

h. NOTIFICATION LIST:

DOG Unit:

RWQCB Unit:

2

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, Co/E-Hlth

********* **Control No: 14-0871** *********

Created by: Warning Center on: 02/13/2014 06:51.53 AM Last Modified by: Warning Center on: 02/13/2014 07:04:21 AM

Date of Incident: 10/17/13
Revision: 007
Revision Date: 2/4/14
Incident: **Explosion – Scrubbed Exhaust System**

10.0 Team Members:

Mitch Cole, Joyce Gee, Mike Frey, Mike Ansberry, Steven Wolf, Ramnath Pai, Dan Janowski, Eric Dugdale, Allan Mattson, Jeff Kindred, Line Maintenance Team

2.0 Define Problem:

An explosion occurred in the scrubbed exhaust ductwork system, at the interstitial level which resulted in damage to the scrubbed exhaust ductwork, adjacent supply air, and general exhaust ductwork. Significant damage to large sections of ductwork resulted causing a drop in Scrubbed Exhaust (SE) system static pressure, aborts on a number of AlInGaP Reactors. This resulted in two scrapped lots and approximately 16 hours of downtime to all AlInGaP epi production and longer on two additional reactors.

3.0 Problem Statement:

Hydrogen and OM source levels within the scrubbed exhaust ductwork reached combustive and explosive levels which resulted in a sudden release of energy.

4.0 Goals of Problem Investigation:

- Describe the incident – what exactly happened
- Determine root cause of incident
- Take immediate action to minimize risk of a recurrence
- Identify and implement (failsafe if possible) solution
- Standardize and propagate solution to entire organization / facility

5.0 Current Situation:

- Scrubbed exhaust system repaired and back to previous static pressure level as of 8:00PM 10/17
- All AlInGap reactors released to production with exception of P1 & P2.
- Reactors P1 & P2 expected release by 4:00 PM 10/18 (100% operational)
- Damaged Supply air system ductwork capped and 70% of supply air restored by 4:00PM 10/17.
- Supply air duct repairs will be complete by 2:30PM 10/18 and 100% of supply air restored.

6.0 Chronology:

- **10/17 0542** – SRC received alarm on the Life Safety System for BB reactor. The alarm was for B1274 BB EXHAUST 1 FLOW SWITCH (PHOTHELIC), B1275 BB EXHAUST 2 FLOW SWITCH (PHOTHELIC) and B11959 B91 FIRE SYSTEM witch evacuated the first floor fab
- **Simultaneously** – the fire panel for building 91 went into alarm for 20 different smoke detectors . The detectors are L2M06 1ME6, L2S13 1MF9, L2SO6 1MFD9, L2S11 1MF6, L2S12 1MF7, L2S20 1MG9, L2S19 1MG7, L2S04 1MD6, L2S05 1MD7, L2S21 1MG10, L2S26 1MJ7, L2S18 1MG6, L2S25 1MJ6, L2S28 1MJ10, L2S32 IMK7, L2S17 IMG5, L2S33 1MK9, L2S09 1MF4. Security Officer Fred Arredondo contacted Lead Technician Danny Ramirez and informed him of

the alarms with the BB reactor.S/O Arredondo then immediately called emergency line 2222 to report the alarms.

- **10/17 0545** – S/O Arredondo called EHS engineer Mitch Cole and Facilities manager Eric Dugdale and informed them of the situation.
- **10/17 0602** – Mitch Cole requested for S/O Arredondo to contact 911 to have San Jose Fire Department dispatched to site. S/O Arredondo then dispatched security officer Myo Htoo to the main gate entry of site to direct SJFD to B6 employee entrance of building 91.
- **10/17 0614** – S/O Htoo reported to SRC that SJFD engine T29 was arriving on site and he will be escorting them to B6 employee entrance to meet with Mitch Cole and Eric Dugdale. Att approximately 0620 S/O Htoo and Fire Captain Doan arrived at B6 employee entrance and walk through to area of incident at column 11F8.
- **10/17 0657** – S/O Htoo reported to the SRC that SJFD was leaving the site.
- **10/17 0700** – Automatic Hydrogen shut down to most reactors, remaining H2 shut down to other reactors in area.
- **10/17 0800** – Smoke in interstitial mostly dissipated, damage assessment initiated, root cause analysis initiated.

7.0 Summary of Initial Containment:

- Determined no impact to personnel
- Shut off Hydrogen supplies to equipment venting into the duct system
- Confirmed no active fire
- Determined no immediate or on-going health hazards to personnel and contractors
- Completed damage assessment
- Began root cause analysis

8.0 Root Cause Analysis:

8.1 Investigation Factors:

- Investigation of scrubbed exhaust ductwork system and locations of damage
- Determination of equipment feeding into duct system
- Determination of the configuration of ductwork which exploded (lack of dilution air)
- Determination of what activities were underway prior to the event
- Review of life safety system data logging (scrubbed exhaust pressure)
- Review of equipment logs and error alarms

8.2 Root Cause Determination "5-Why" Technique:

Q1: **Why did the duct explode?**
A1: There was a significant build-up of flammable/explosive materials in the duct

Q2: **Why was there a significant build-up of flammable/explosive materials in the duct?**
A2: There were multiple vent lines feeding into a duct in the interstitial.

Q3: **Why would multiple vent lines feeding into a duct in the interstitial be problematic?**
A3: In almost every situation this would not be a problem, but in this case there was a deadleg in the duct allowing for accumulation of materials.

Q4: **Why was there a deadleg?**

A4: After equipment demolitions the duct which used to ventilate that equipment was capped disrupting the airflow.

Q5: **This deadleg has existed for many years with no issues. What was different about this event?**
A5: There was a source change on P2 in which two valves were incorrectly opened at the same time.

Q6: **Why did this lead to an explosion?**
A6: With these two valves open at the same time there is a potential for metal organic to flow to the interstitial ductwork This would normally not cause significant damage. However with duct configuration having a deadleg with the potential for the collection of flammable/explosive materials we were open to the possible of severe damage.

Q7: **Why were the two valves opened at the same time?**
A7: Technician thought he closed the valves that were supposed to be closed. This was confirmed with employee meeting after the event. However, the valves were NOT closed.

Q8: **Why did the technician forget? Were procedures in place to make sure the closing the valves is not left up to solely having someone remember to close them?**
A8: Procedures are in place that have been followed many (thousands) of times over the years. These procedures include a checklist with a line item calling for all valves to be closed. This line item was checked off by the technician performing the job. The technician doing the job knows he checked this line item off as complete and fully believes that we did close the valves. However we know the valves were open.

8.3 Root Cause Determination:

The team determined that this was a two part root cause, as the explosion could not have occurred without both of the following factors being present:

Item	Possible Root Cause	Probability	Evidence / Reasons / Findings
1A	Inadequate dilution air supply to duct section which Hydrogen was being vented into. (See Appendix 12.1)	High / Confirmed	Inspection of ductwork confirmed "dead leg", end of duct had been capped off after tool removal some time ago (several years earlier).
1B	TMGa bubbler valves not closed during evacuation for a source change maintenance activity.	High / Confirmed	Valve positions checked and source valves confirmed open.

9.0 Action Items during the Investigation:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Complete repairs in order to restore supply air and exhaust systems to full operation	No	Steven Wolf	10/18/13	**COMPLETE** 10/18/13	Partial restoration in 24 hrs, full restoration – 48 hrs.
2	All facilities personnel informed of the significance of these issues	No	Dan Janowski	10/18/13	**COMPLETE** 10/18/13	Emergency department meeting held to discuss & brainstorm solutions
3	Review incident with all shifts – focusing on what happened and what could have happened	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	Day2/Night2 done same day as event. Phone calls made to Night1. D1/N1 done as soon as they returned the following week.
4	No shift is allowed to perform a bubbler change until the debrief mentioned above is complete	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	This was the first meeting with all shifts as they came on-site.
5	Implement immediate ELCO to Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older updates: ELCO submitted same day and active over the weekend Cannot list as complete since ELCO must be re-issued until Permanent LCO is signed off	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.

10.0 Standardization and Future Plans:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Survey of all vent lines, dilution boxes, and supporting air flows will be completed and maintained by the facilities engineering group.	No	Steven Wolf	12/31/13	**COMPLETE**	North and south sides of fab surveyed, dead legs identified at two locations, one corrected , 2nd by end Feb. (Rx C2 - OOS)
1A	Tracking of Dilution box vent flows and connected equipment to be included along with capacity tracking effort (Pete picked up from Elly)	No	Peter Christianson	3/28/14	**CLOSED** Tracking of connected load to DBs will be added to capacity tracking SS.	On-going effort needed to ensure we maintain visibility on DB flows and connected equipment.
1B	Abandoned ductwork identified during survey to be demo'd. Develop plan to remove abandoned ductwork over next 4 quarters.	No	Steven Wolf, Eric Dugdale	12/31/13	**COMPLETE** Much abandoned ductwork has been removed from SW corner of interstitial.	Further activity tracked on Facilities project tracking schedule
1C	Review Dilution box minimum air flows and connected load (PM Greene) to ensure proper flows	No	Peter Christianson	3/28/14	**CLOSED** Along with 1A above, proposal from PM Greene in progress, This survey will be completed	PMG proposal pending. Will track this to completion via project SS.
1D	Determine which reactors still flow Hydrogen through vent / bleed lines when exhaust is interrupted.	No	Mike Frey	2/1/14	**COMPLETE** Determined all reactors continue to flow H2 through vents after abort.	This risk will be managed through identification of improved labeling of all dilution sources. (see below)
2	All dilution air streams not already labeled will be labeled.	No	Steven Wolf	12/31/13	**CLOSED** All labeling will be complete by end of April	This will be tracked to completion on PM project tracking schedule

3	Investigate Continuous monitoring of critical dilution air flows with alarms to SOC	No	Dan Janowski Steven Wolf	11/15/13 investigation 03/01/14 completion	**COMPLETE** Investigation complete, Plan underway. Steven Wolf is PM for this project.	Continuous DB air flow monitoring will be completed in Q1. Completion of this activity will be tracked via PM project tracking SS
4	Implement Permanent LCO with Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older notes: LCO submitted day after event and is awaiting approval signatures	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.
5	Technician who performed the bubbler change must complete the on-line source training before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (on-line) 10/28	
6	Technician who performed the bubbler change must be recertified by the Lead Technician via OJT before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (OJT) 10/30	
7	Create CAPA in LumiLink for tracking by QA	No	Mike Frey	10/30/13	**COMPLETE** CAPA created and incident report uploaded	10/28 Update: Mike F. has submitted CAPA in Lumilink
8	Investigate feasibility of adding OM Source valve position indicators on valve stems. (See Appendix 13.2)	No	Mike Frey	10/31/13	**COMPLETE** Unfortunately as of 10/13 no solution found	Requested assistance from bubbler manufacturer's
9	Create tool demo coordination checklist to include review of dilution air provided by equipment to be removed	No	Peter Christiansen	10/28/13 11/11/13	**COMPLETE 01NOV2013** including procedural updates	10/28 Update: Pete has submitted first draft. Reviewed by team and comments sent by for revision.

10	Maintain readily available updated drawings and tool connection matrix in facilities office, shop, and employee entrance.	No	Eric Dugdale (Trinae Pauley)	12/15/13	**CLOSED** Initial drawing set to be in place shortly, this will be an ongoing effort to update these drawing.	This will be an ongoing effort to maintain updated and accurate hard-copy documents in these locations going forward.
11	Include hazards of OM source handling in Chem Safety Training sessions	No	Mitch Cole	December 2013 and ongoing	**COMPLETE** (for recert. Training – see below)	Module to be added to existing training to enhance awareness of hazards related to OM source handling.
11B	Hazards of OM sources to be included in initial safety training as well.	No	Joyce Gee		**COMPLETE**	**06NOV2013 update:** Add to annual recert for EHS module
12	Reinforce with PMs and facilities maint. proper investigation of deadlegs and flow prior to cutting into any exhaust ductwork.	No	Dan J	1/22/13	**COMPLETE**	This has been added to the equipment install punchlist.
12	Ensure standardization of and training to work instruction documents via LumiLink.	No	Mike Frey	Ongoing	**COMPLETE** in that systems already in place ensure this will continue to happen	This happens automatically within LumiLink

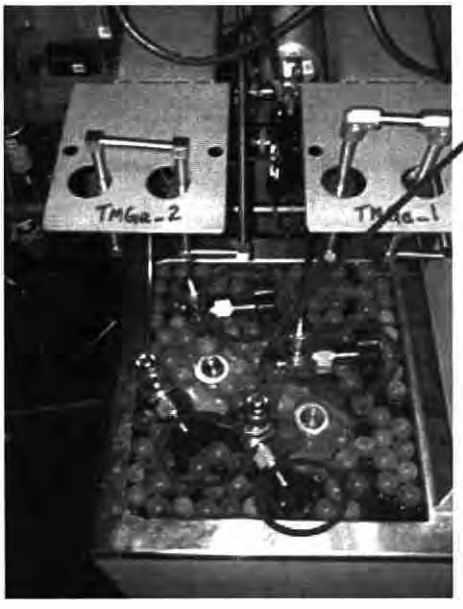
11.0 Check Results:

~~Follow up meeting to review action item status – 1/21/14~~ - CANCELLED

Appendix 12.2

Investigate Valve Position Visual Indicators

TMGa Bubbler valves accidentally left open during evacuation for source change.



Determine if feasible to add valve stem position visual indicators to OM source valves.

Red exposed = "Valve Open"

Incident Report - Philips Lumileds Lighting – San Jose, CA
Explosion – Scrubbed Exhaust System

Date of Incident: 10/17/13
Revision: 007
Revision Date: 2/4/14
Incident: **Explosion – Scrubbed Exhaust System**

10.0 Team Members:

Mitch Cole, Joyce Gee, Mike Frey, Mike Ansberry, Steven Wolf, Ramnath Pai, Dan Janowski, Eric Dugdale, Allan Mattson, Jeff Kindred, Line Maintenance Team

2.0 Define Problem:

An explosion occurred in the scrubbed exhaust ductwork system, at the interstitial level which resulted in damage to the scrubbed exhaust ductwork, adjacent supply air, and general exhaust ductwork. Significant damage to large sections of ductwork resulted causing a drop in Scrubbed Exhaust (SE) system static pressure, aborts on a number of AlInGaP Reactors. This resulted in two scrapped lots and approximately 16 hours of downtime to all AlInGaP epi production and longer on two additional reactors.

3.0 Problem Statement:

Hydrogen and OM source levels within the scrubbed exhaust ductwork reached combustive and explosive levels which resulted in a sudden release of energy.

4.0 Goals of Problem Investigation:

- Describe the incident – what exactly happened
- Determine root cause of incident
- Take immediate action to minimize risk of a recurrence
- Identify and implement (failsafe if possible) solution
- Standardize and propagate solution to entire organization / facility

5.0 Current Situation:

- Scrubbed exhaust system repaired and back to previous static pressure level as of 8:00PM 10/17
- All AlInGap reactors released to production with exception of P1 & P2.
- Reactors P1 & P2 expected release by 4:00 PM 10/18 (100% operational)
- Damaged Supply air system ductwork capped and 70% of supply air restored by 4:00PM 10/17.
- Supply air duct repairs will be complete by 2:30PM 10/18 and 100% of supply air restored.

6.0 Chronology:

- **10/17 0542** – SRC received alarm on the Life Safety System for BB reactor. The alarm was for B1274 BB EXHAUST 1 FLOW SWITCH (PHOTHELIC), B1275 BB EXHAUST 2 FLOW SWITCH (PHOTHELIC) and B11959 B91 FIRE SYSTEM witch evacuated the first floor fab
- **Simultaneously** – the fire panel for building 91 went into alarm for 20 different smoke detectors . The detectors are L2M06 1ME6, L2S13 1MF9, L2SO6 1MFD9, L2S11 1MF6, L2S12 1MF7, L2S20 1MG9, L2S19 1MG7, L2S04 1MD6, L2S05 1MD7, L2S21 1MG10, L2S26 1MJ7, L2S18 1MG6, L2S25 1MJ6, L2S28 1MJ10, L2S32 IMK7, L2S17 IMG5, L2S33 1MK9, L2S09 1MF4. Security Officer Fred Arredondo contacted Lead Technician Danny Ramirez and informed him of

the alarms with the BB reactor.S/O Arredondo then immediately called emergency line 2222 to report the alarms.

- **10/17 0545** – S/O Arredondo called EHS engineer Mitch Cole and Facilities manager Eric Dugdale and informed them of the situation.
- **10/17 0602** – Mitch Cole requested for S/O Arredondo to contact 911 to have San Jose Fire Department dispatched to site. S/O Arredondo then dispatched security officer Myo Htoo to the main gate entry of site to direct SJFD to B6 employee entrance of building 91.
- **10/17 0614** – S/O Htoo reported to SRC that SJFD engine T29 was arriving on site and he will be escorting them to B6 employee entrance to meet with Mitch Cole and Eric Dugdale. Att approximately 0620 S/O Htoo and Fire Captain Doan arrived at B6 employee entrance and walk through to area of incident at column 11F8.
- **10/17 0657** – S/O Htoo reported to the SRC that SJFD was leaving the site.
- **10/17 0700** – Automatic Hydrogen shut down to most reactors, remaining H2 shut down to other reactors in area.
- **10/17 0800** – Smoke in interstitial mostly dissipated, damage assessment initiated, root cause analysis initiated.

7.0 Summary of Initial Containment:

- Determined no impact to personnel
- Shut off Hydrogen supplies to equipment venting into the duct system
- Confirmed no active fire
- Determined no immediate or on-going health hazards to personnel and contractors
- Completed damage assessment
- Began root cause analysis

8.0 Root Cause Analysis:

8.1 Investigation Factors:

- Investigation of scrubbed exhaust ductwork system and locations of damage
- Determination of equipment feeding into duct system
- Determination of the configuration of ductwork which exploded (lack of dilution air)
- Determination of what activities were underway prior to the event
- Review of life safety system data logging (scrubbed exhaust pressure)
- Review of equipment logs and error alarms

8.2 Root Cause Determination "5-Why" Technique:

Q1: **Why did the duct explode?**
A1: There was a significant build-up of flammable/explosive materials in the duct

Q2: **Why was there a significant build-up of flammable/explosive materials in the duct?**
A2: There were multiple vent lines feeding into a duct in the interstitial.

Q3: **Why would multiple vent lines feeding into a duct in the interstitial be problematic?**
A3: In almost every situation this would not be a problem, but in this case there was a deadleg in the duct allowing for accumulation of materials.

Q4: **Why was there a deadleg?**

A4. After equipment demolitions the duct which used to ventilate that equipment was capped disrupting the airflow.

Q5: **This deadleg has existed for many years with no issues. What was different about this event?**
A5: There was a source change on P2 in which two valves were incorrectly opened at the same time.

Q6: **Why did this lead to an explosion?**
A6: With these two valves open at the same time there is a potential for metal organic to flow to the interstitial ductwork. This would normally not cause significant damage. However with duct configuration having a deadleg with the potential for the collection of flammable/explosive materials we were open to the possible of severe damage.

Q7: **Why were the two valves opened at the same time?**
A7: Technician thought he closed the valves that were supposed to be closed. This was confirmed with employee meeting after the event. However, the valves were NOT closed.

Q8: **Why did the technician forget? Were procedures in place to make sure the closing the valves is not left up to solely having someone remember to close them?**
A8: Procedures are in place that have been followed many (thousands) of times over the years. These procedures include a checklist with a line item calling for all valves to be closed. This line item was checked off by the technician performing the job. The technician doing the job knows he checked this line item off as complete and fully believes that we did close the valves. However we know the valves were open.

8.3 Root Cause Determination:

The team determined that this was a two part root cause, as the explosion could not have occurred without both of the following factors being present:

Item	Possible Root Cause	Probability	Evidence / Reasons / Findings
1A	Inadequate dilution air supply to duct section which Hydrogen was being vented into. (See Appendix 12 1)	High / Confirmed	Inspection of ductwork confirmed "dead leg", end of duct had been capped off after tool removal some time ago (several years earlier).
1B	TMGa bubbler valves not closed during evacuation for a source change maintenance activity.	High / Confirmed	Valve positions checked and source valves confirmed open.

9.0 Action Items during the Investigation:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Complete repairs in order to restore supply air and exhaust systems to full operation	No	Steven Wolf	10/18/13	**COMPLETE** 10/18/13	Partial restoration in 24 hrs, full restoration – 48 hrs.
2	All facilities personnel informed of the significance of these issues	No	Dan Janowski	10/18/13	**COMPLETE** 10/18/13	Emergency department meeting held to discuss & brainstorm solutions
3	Review incident with all shifts – focusing on what happened and what could have happened	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	Day2/Night2 done same day as event. Phone calls made to Night1. D1/N1 done as soon as they returned the following week.
4	No shift is allowed to perform a bubbler change until the debrief mentioned above is complete	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	This was the first meeting with all shifts as they came on-site.
5	Implement immediate ELCO to Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older updates: ELCO submitted same day and active over the weekend Cannot list as complete since ELCO must be re-issued until Permanent LCO is signed off	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.

10.0 Standardization and Future Plans:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Survey of all vent lines, dilution boxes, and supporting air flows will be completed and maintained by the facilities engineering group.	No	Steven Wolf	12/31/13	**COMPLETE**	North and south sides of fab surveyed, dead legs identified at two locations, one corrected , 2nd by end Feb. (Rx C2 - OOS)
1A	Tracking of Dilution box vent flows and connected equipment to be included along with capacity tracking effort (Pete picked up from Elly)	No	Peter Christianson	3/28/14	**CLOSED** Tracking of connected load to DBs will be added to capacity tracking SS.	On-going effort needed to ensure we maintain visibility on DB flows and connected equipment.
1B	Abandoned ductwork identified during survey to be demo'd. Develop plan to remove abandoned ductwork over next 4 quarters.	No	Steven Wolf, Eric Dugdale	12/31/13	**COMPLETE** Much abandoned ductwork has been removed from SW corner of interstitial.	Further activity tracked on Facilities project tracking schedule
1C	Review Dilution box minimum air flows and connected load (PM Greene) to ensure proper flows	No	Peter Christianson	3/28/14	**CLOSED** Along with 1A above, proposal from PM Greene in progress, This survey will be completed	PMG proposal pending. Will track this to completion via project SS.
1D	Determine which reactors still flow Hydrogen through vent / bleed lines when exhaust is interrupted.	No	Mike Frey	2/1/14	**COMPLETE** Determined all reactors continue to flow H2 through vents after abort.	This risk will be managed through identification of improved labeling of all dilution sources. (see below)
2	All dilution air streams not already labeled will be labeled.	No	Steven Wolf	12/31/13	**CLOSED** All labeling will be complete by end of April	This will be tracked to completion on PM project tracking schedule

3	Investigate Continuous monitoring of critical dilution air flows with alarms to SOC	No	Dan Janowski Steven Wolf	11/15/13 investigation 03/01/14 completion	**COMPLETE** Investigation complete, Plan underway. Steven Wolf is PM for this project.	Continuous DB air flow monitoring will be completed in Q1. Completion of this activity will be tracked via PM project tracking SS
4	Implement Permanent LCO with Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older notes: LCO submitted day after event and is awaiting approval signatures	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.
5	Technician who performed the bubbler change must complete the on-line source training before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (on-line) 10/28	
6	Technician who performed the bubbler change must be recertified by the Lead Technician via OJT before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (OJT) 10/30	
7	Create CAPA in LumiLink for tracking by QA	No	Mike Frey	10/30/13	**COMPLETE** CAPA created and incident report uploaded	10/28 Update: Mike F. has submitted CAPA in Lumilink
8	Investigate feasibility of adding OM Source valve position indicators on valve stems. (See Appendix 13.2)	No	Mike Frey	10/31/13	**COMPLETE** Unfortunately as of 10/13 no solution found	Requested assistance from bubbler manufacturer's
9	Create tool demo coordination checklist to include review of dilution air provided by equipment to be removed	No	Peter Christiansen	10/28/13 11/11/13	**COMPLETE 01NOV2013** including procedural updates	10/28 Update: Pete has submitted first draft. Reviewed by team and comments sent by for revision.

10	Maintain readily available updated drawings and tool connection matrix in facilities office, shop, and employee entrance.	No	Eric Dugdale (Trinae Pauley)	12/15/13	**CLOSED** Initial drawing set to be in place shortly, this will be an ongoing effort to update these drawing.	This will be an ongoing effort to maintain updated and accurate hard-copy documents in these locations going forward.
11	Include hazards of OM source handling in Chem Safety Training sessions	No	Mitch Cole	December 2013 and ongoing	**COMPLETE** (for recert. Training – see below)	Module to be added to existing training to enhance awareness of hazards related to OM source handling.
11B	Hazards of OM sources to be included in initial safety training as well.	No	Joyce Gee		**COMPLETE**	**06NOV2013 update:** Add to annual recert for EHS module
12	Reinforce with PMs and facilities maint. proper investigation of deadlegs and flow prior to cutting into any exhaust ductwork.	No	Dan J	1/22/13	**COMPLETE**	This has been added to the equipment install punchlist.
12	Ensure standardization of and training to work instruction documents via LumiLink.	No	Mike Frey	Ongoing	**COMPLETE** in that systems already in place ensure this will continue to happen	This happens automatically within LumiLink

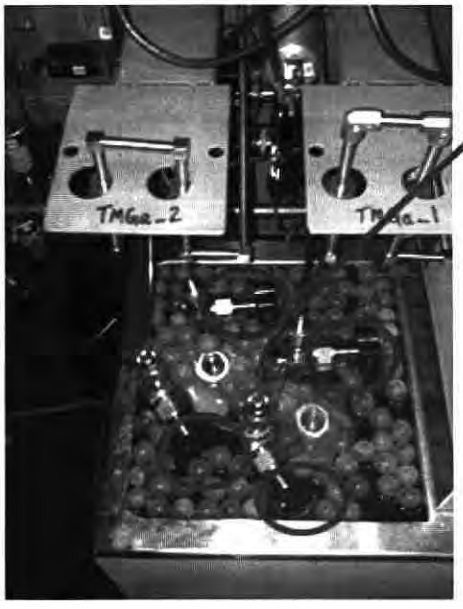
11.0 Check Results:

~~Follow up meeting to review action item status – 1/21/14~~ - CANCELLED

Appendix 12.2

Investigate Valve Position Visual Indicators

TMGa Bubbler valves accidentally left open during evacuation for source change.



Determine if feasible to add valve stem position visual indicators to OM source valves.

Red exposed = "Valve Open"

PHILIPS

CAPAR # 13 091 02 033
YY Year | BBB Bldg | CC Code | RRR Report

Corrective Action Program

Instructions can be found on the EHS Webpage

Philips Lumileds Corrective and Preventative Action Report

1. Description of Circumstances:
On 10/17/13, at approximately 0542 hoursrs SRC received alarm on the Life Safety System for BB reactor The alarm was for B1274 BB EXHAUST 1 FLOW SWITCH (PHOTHELIC), B1275 BB EXHAUST 2 FLOW SWITCH (PHOTHELIC) and B11959 B91 FIRE SYSTEM witch evacuated the first floor fabs Simultaneously the fire panel for building 91 went into alarm for 20 different smoke detectors . The detectors are L2M06 1ME6, L2S13 1MF9, L2SO6 1MFD9, L2S11 1MF6, L2S12 1MF7, L2S20 1MG9, L2S19 1MG7, L2S04 1MD6, L2S05 1MD7, L2S21 1MG10, L2S26 1MJ7, L2S18 1MG6, L2S25 1MJ6, L2S28 1MJ10, L2S32 IMK7, L2S17 IMG5, L2S33 1MK9, L2S09 1MF4 Security Officer Fred Arredondo contacted Lead Technician Danny Ramirez and informed him of the alarms with the BB reactor. S/O Arredondo then immediately called emergency line 2222 to report the alarms. There was no responder available. At 0545 hours S/O Arredondo called EHS engineer Mitch Cole and Facilities manager Eric Dugdale and informed them of the situation At 0602 hours Mitch Cole requested for S/O Arredondo to contact 911 to have San Jose Fire Department dispatched to site. S/O Arredondo then dispatched security officer Myo Htoo to the main gate entry of site to direct SJFD to B6 employee entrance of building 91.At 0614 hours S/O Htoo reported to SRC that SJFD engine T29 was arriving on site and he will be escorting them to B6 employee entrance to meet with Mitch Cole and Eric Dugdale. Att approximately 0620 S/O Htoo and Fire Captain Doan arrived at B6 employee entrance and walk through to area of incident at column 11E8. At 0657 hours S/O Htoo reported to the SRC that SJFD was leaving the site.

2. Date of Incident:	3.Time of Incident:	4. Location (Bldg., Column #, etc.):
10/17/2013	10/27/2013 5:44	Epi Fab 11F8
5. Report Completed By:		**6. Position:**
Cenobio Madriz		SRC
7. Date of Report:	**8. Telnet:**	**9. Mailstop:**
10/17/2013	964-5300	90LM

10. Downtime greater than 1 hour? ☐ Yes ☐ No (If yes, list the affected areas and/or tools and the amount of time down)

Areas, Equipment, Tools or Processes	Hours	Minutes	Areas, Equipment, Tools or Processes	Hours	Minutes

11. Probable root cause(s). Include information on how the cause was determined.
The ducting involved with the incident had a connection to the purifier bleeds. At 1 lpm, the flow is very low, but at some point in the distant past, this trunk of the exhaust was disconnected from any workstations in the fab. As a dead leg, it simply filled with hydrogen until it reached airflow upstream. Fuel, and oxygen, but no spark. The N2 shift was changing a bubbler on one of the affected reactors, failed to shut all of the bubbler valves. The contents of a bubbler were pulled by vacuum pump and discharged up the vent line. This was the ignition source which detonated the existing hydrogen in the ducting.

12. Corrective action(s).
The explosion ended immediately - as all the fuel was used in an instant. The purifier bleed was discovered at about 9:30 and was still combusting inside of the broken ductwork. The H2 was turned off entirely for Reactor P1 and P2. This terminated the flame.

13. Responsible Person. Allan Mattson 14.Due Date 10/17/2013 15. Actual Date Completed 10/17/2013

16. Work Order #, Exception code, or Capar Code:

17. Preventative actions to prevent re-occurrence.
Two parts.
1. Facilities team evaluated all of the exhaust trunks acting as dilutional air for pruge lines, etc to assure the dead leg issue was a fluke Facilities will also maintain an inventory of dilution air needs and sources within a matrix to assure that concentrations of flammable gases do not exceed 25% of LEL. To prevent the loss of dilutional airflow, the supporting ducts were labeled below the ceiling in the fab.
2 Retraining of personnel regarding the change out of OM sources.

18. Responsible Person Dan Janowski 19. Due Date 12/31/2013 20. Actual Date Completed:

Verification of corrective and preventative action(s).
21. Verification Owner: 22. Date:

Blamey, Jim

From: Warning Center@oes.ca.gov
Sent: Wednesday, November 11, 2009 12:13 PM
To: Blamey, Jim
Subject: Hazardous Materials Spill Report: Cal EMA Control #:09-7586

California Emergency Management Agency
Hazardous Materials Spill Report

DATE: 11/11/2009 | RECEIVED BY Cal EMA: Courtland Ellis | Cal EMA CNTRL #:09-7586
TIME: 1206 | RECEIVED BY OSPR: | NRC#:923213

1.a. PERSON NOTIFYING Cal EMA
1. NAME: XXX | 2. AGENCY: NRC
3. PHONE #: 800-424-8802 | 4. EXT: | 5. PAGER #:

1.b. PERSON REPORTING SPILL (If different from above):
1. NAME: Mitch Cole | 2. AGENCY: Phillips Lumlleds Lighting
3. PHONE #: 408-964-2562 | 4. EXT: | 5. PAGER #:

2. SUBSTANCE TYPE:
a. SUBSTANCE: / b.QTY: / Amount / Measure / c. TYPE / d. OTHER
1. Anhydrous Ammonia / = / UNK / Lbs. / VAPOR /

2.

3.
---
e. DESCRIPTION: CALLER IS REPORTING A CONTINUOUS RELEASE OF ANHYDROUS AMMONIA FROM AN EXHAUST STACK DUE EFFICIENCY OF THE SCRUBBER SYSTEM IS NOT HIGH ENOUGH. WILL BE INSTALLING NEW EQUIPMENT | f. CONTAINED: No | g. WATER INVOLVED: No
h. WATERWAY: | i. DRINKING WATER IMPACTED: No
j. KNOWN IMPACT: Unknown

3.a. INCIDENT LOCATION: 370 WEST TRIMBLE ROAD
b. CITY: SAN JOSE | c. COUNTY: Santa Clara County | d. ZIP: 95131

4. INCIDENT DESCRIPTION:
a. DATE: 11/11/2009 | b. TIME(Military): 1140 | c. SITE: Merchant/Business | d. CAUSE: Mechanical e. INJURIED: 0 | f. FATALS #: 0 | g. EVACS #: 0 | h. CLEANUP BY: Unrecoverable

5. SUSPECTED RESPONSIBLE PARTY:
a. NAME: | b. AGENCY: Phillips Lumlleds Lighting
c. PHONE#: 408-964-2562 | d. EXT:
e. MAIL ADDRESS: 370 WEST TRIMBLE ROAD
f. CITY: SAN JOSE | g. STATE: CA | h. ZIP: 95131

6. NOTIFICATION INFORMATION:
a. ON SCENE: | b. OTHER ON SCENE: Phillips Lumlleds Lighting
c. OTHER NOTIFIED:
d. ADMIN. AGENCY: Santa Clara County Health Department
e. SEC. AGENCY:
f. ADDITIONAL COUNTY: g. ADMIN. AGENCY:
h. NOTIFICATION LIST: DOG Unit: | RWQCB Unit: 2

RECEIVED BY:
SANTA CLARA COUNTY
DEPT OF ENV. HEALTH

PHILIPS

CERTIFIED MAIL ARTICLE NUMBER 7009 3410 0001 6425 5658

2008 AUG 13 PM 1:42

Mr. Ruben Williams
County of Santa Clara
Hazardous Material Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716

Philips Lumileds Lighting Company

370 West Trimble Road
San Jose, California 95131

Subject:
Documents Requested by Marlena Dutresne

Date: 08/07/2008

Reviewed By Ruben Williams
Date 8/14/2008

Dear Mr. Williams:

Upon receipt of the Inspection Follow Up Report dated 7/31/08, Ms. Dutresne with your office gave me a call and asked for the supporting documentation associated with the corrective actions from the inspection report.

Those documents are attached.

Page 1 Violation Code 2500:

Update California Accidental Release Prevention Program Registration Form for the regulated chemical Chlorine that no longer meets the threshold quantity that is stored or used at the facility. Submit Registration form to HMCD within 30 days.

This document was submitted on 7/9/08.

Page 1 Violation Code 2508:

Remove reference of SIGRIF (Compressed gas cylinder coffin) from the emergency response plan because this piece of equipment is no longer at the facility. Update this portion of the Emergency Response Program Component.

The ERT plan was updated on 7/16/08. It is enclosed as attachment A.

Page 2 Violation Code 2508:

Remove Romic Emergency Response Contractor from the Emergency Response Program as they are no longer used by the facility. Update Emergency Spill Response contractor information.

The ERT plan was updated on 7/16/08. It is enclosed as attachment A.

Page 2 Violation Code 2508:

Include the emergency response program component information on emergency health care and which health care facility (hospital) would employees be sent to. Add address and phone number of hospital to emergency response plan.

The ERT plan was updated on 7/16/08. It is enclosed as attachment A.

PHILIPS

Tel. +1 408 964 2562
Fax: +1 408 964 5358
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

Page 2 Violation Code 2508:

Have the MERT (Medical Emergency Response Team) review first aid information and health affects of Ammonia and Chlorine Gas exposure. Also make SOP to emergency response plan on how employees are to respond to ammonia or Chlorine gas releases.

The MERT was trained on the specific first aid response to ammonia and chlorine exposures. This training was completed on 7/15/08. A copy of the training sign in sheet as well as the information reviewed is enclosed as attachment B. The ERT plan includes the initiation process for bringing Air Products to the facility to initiate the vessel sealing in the event of a containment failure. The ERT plan is enclosed as Attachment A

Page 2 Violation code 2508:

Write a written procedure for notifying the public (Affected receptors) in the event of an ammonia or chlorine gas release and add it to the Emergency Response Plan Component.

The draft of the procedure has been generated. The local schools have not been answering the phone, so I haven't been able to confirm the appropriate contact info. I've had several phone calls to the SJ airport, and have not been successful getting in contact with their emergency response individual Dennis Osario (408) 277-4732. I will continue to try to establish contact. The draft document is enclosed as Attachment C.

Page 3 Violation Code 2508:

Label liquid ammonium hydroxide storage area and come up with a procedure to stay below the CalARP threshold of liquid ammonium hydroxide (Threshold value is 500 pounds) or submit a new registration for the liquid ammonium hydroxide.

The liquid storage of ammonium hydroxide now has a NFPA placard on the outside of the storage bay. This is shown in the enclosed photo as Attachment D. The process for verifying the storage quantity was originally inclusive of the maximum storage level signage for each of the Cal ARP chemicals. In a brief oversight, the chemical handler did not follow those instructions, resulting in exceeding the storage quantity by 90 pounds. A procedure for maintaining inventory and comparing it to a min-max list was formalized as a result. This procedure is enclosed as Attachment E.

Page 3 Violation Code 2524:

Document Daily inspection of Bulk Ammonia Gas Storage Area currently being done daily but not documented. Provided facility with unidocs inspection form.

The daily rounds of the system have been incorporated into the barcode facilities management system. This involves going to the equipment, scanning the barcode for each field and entering the prompted information. This is then

downloaded to a computer which has the ability to print out reports. One of these reports is enclosed as Attachment F.

Page 3 Violation Code 2510:

A second anhydrous ammonia storage area was observed with the quantities that triggered Cal ARP threshold quantities. Either lower storage quantities or add the storage area to the Risk Management Plan and manage accordingly.

This storage area is included in the risk management plan, but the storage area was over the registered storage quantity. The registered amount is 4000 pounds (8 x 500 pound cylinders) and the amount observed during the inspection was 5000 pounds. Therefore, we sent two of the ten ammonia cylinders back to Air products to arrive back at 4000 pounds for that area. Photos of the storage area are enclosed as Attachment G.

Page 3 Recommendation:

Call local fire department and conduct a familiarization tour of your facility where the Cal ARP chemicals are stored or in use.

The local fire department Engine Company 29 are scheduled to visit the facility during each of their three shifts on October 1st, 2nd, and 3rd.

If you'd like further documentation, or have any questions, please give me a call.

Sincerely,

Mitch Cole
Environmental Engineer

enclosure

Attachment A

Emergency Response Team Plan

Table of Contents

Section	Topic	Page
I.	Purpose	2
II.	Scope	2
III.	ERT Activation Procedures	2
IV.	Medical Emergencies	3
V.	Hazardous Materials Emergencies	4
VI.	ERT Organization	8
VII.	Responsibilities of Team Members	8
VIII.	Responsibilities of In-House Support	10
IX.	Requirements and Training	11

Appendix

A.	Emergency Check Off Sheets	13
B.	Hazardous Materials Emergency Response	28
C.	Hazardous Gas Release Response Procedures	30
D.	Hazardous Gas Release Response Checklist	34
E.	Compressed Gas Suppliers	37
F.	MERT Response to Ammonia Release/Health Facilities	38

I. PURPOSE

The purpose of the plan is to outline the response to medical emergencies as well as to minimize hazards to human health or the environment from fires, chemical explosions, or any release of hazardous waste or hazardous material to the air, soil, or surface water. Because of the alarm systems, facilities inspection and routine operation and maintenance, the possibility of an emergency occurrence is significantly reduced. In addition, plant security conducts scheduled visual inspections of all areas during off hours. If any unusual conditions are observed, appropriate follow-up is taken.

II. SCOPE

To respond to and control site emergencies such as fire, explosion, chemical release, and natural disasters. This will be performed within the limits of the emergency response teams' training and capabilities, and placing personnel safety as the highest priority.

III. EMERGENCY RESPONSE TEAM ACTIVATION PROCEDURES

A. EMERGENCY NOTIFICATION

1. Any individual upon discovering an emergency should immediately call the site emergency number 2222 and report the following:
   a. Your name.
   b. The extension you are calling from.
   c. Exact location of the emergency (pillar #, exit #, etc.).
   d. Any additional information regarding the emergency (fire, chemical spill or release, identity of materials involved and estimated quantities, etc.).
2. The appropriate ERT response will be initiated—via text page—by Security Response Center (SRC) personnel, based on the information regarding the emergency.

B. TEAM LEADER CALL OUT

I. In a Medical Emergency:
   a. SRC is to contact the site Occupational Health Nurse (OHN) by radio, pager or phone.
   b. The OHN will respond by radio or phone to the Security Operations Center to receive additional information.
   c. In the event the OHN does not respond, SRC will perform a Medical Emergency Response Team All Call via text page.
2. In a Hazardous Materials Emergency:
   a. SRC Operator is to contact the IC via radio or text page.
   b. The Incident Commander will respond to the Security Response Center to receive additional information.
   c. In the event the IC does not respond to the page after 3 attempts, SRC will perform an ERT All Call—via text page.
3. Emergency Response Team (ERT) CALL-OUT
   a. In situations that may require the entire site ERT, the SRC Operator is to perform an ERT All Call via text page.
   b. The ERT and Incident Commander will respond to the Security Response Center to receive

additional information.

c. In the event nobody responds to text pages after 3 attempts, SRC will page via overhead: ***"All ERT Members report to the Security Response Center"***.

C. ERT RESPONSE TO CALL-OUT

Upon being paged, team members will group at the designated area and await instructions from the IC.

D. MERT RESPONSE TO CALL-OUT

In a medical emergency, the OHN/MERT will respond to the scene of the emergency and request SRC to page additional ERT members, if necessary, to a specific location. ERT members are to respond, bringing supplies to that location.

E. ERT RESPONSE TO BUILDING EVACUATION

The ERT and MERT will report to the Building 91 flagpole to await further instructions from the IC.

IV. MEDICAL EMERGENCY

A. MEDICAL COVERAGE

Emergency coverage will be provided by the site OHN or shift Medical Emergency Response Team.

B. OHN/MERT Actions for Medical Emergencies Response

The OHN or MERT members arriving at the scene will assume charge of the injured person(s). She/he will ensure that the following takes place:

1. Assess the victim's condition.
2. Assign first aid support roles, as needed.
3. Ensure that the patient's safety is the first priority throughout the incident.
4. Ensure that a MERT member is with the victim at all times.
5. Inform SRC/IC whether or not an ambulance is required:
   (a) It is important to tell the 911 operator the suspected nature of the medical emergency.
   (b) Confirm with the SRC Operator/IC that an ambulance was contacted and ask for arrival time.
6. Keep Incident Commander updated.
7. Emergency care will be provided to victim(s) until they are released by the OHN/MERT.

C. IC's Actions for Medical Emergencies Response

Upon arriving at the scene, the Incident Commander will assume procedural charge of the emergency. He/she will ensure that the following takes place:

1. Ensure that the patient's safety is the first priority throughout the incident.

2. Ensure that the MERT members responding to the incident is thoroughly protected against all injurious or hazardous conditions.
3. Ensure that an OHN, MERT, or ERT member is with the victim at all times.
4. Designate a person to secure the area (ask uninvolved bystanders to leave).
5. Assign other support roles as needed.
6. If an ambulance is needed:
   - Designate a person to call SRC and request that an ambulance be called.
   - Obtain confirmation that an ambulance was called.
   - Designate SRC personnel to direct paramedics to the scene.
7. With incidents involving chemical contamination, ensure that the victims are decontaminated prior to transport to a medical facility and a MSDS for chemical is available for Paramedics.

Ambulance Call-Out

SRC Personnel will be instructed to call 911 if Paramedics or Ambulance is required. The 911 operators should be given the number of injured employees and the nature of the injuries. Emergency vehicles will be directed to an Employee Entrance and from there to the scene of the incident.

Ambulance/Paramedics

Response time may be between 5 minutes and 30 minutes, with an average of 15-20 minutes. If an ambulance is not here within 15 minutes, the emergency call is to be repeated.

The SRC/IC/OHN must inform the 911 Operator of the following:
1. Number of injuries requiring transportation
2. Type of accident
3. Type of injuries and if chemical related:
   (a) type(s) of chemical(s)
   (b) length of exposure
4. Provide the Dispatcher a phone number to call back for additional information. If possible, an OHN will follow up with a courtesy call to the appropriate Hospital Emergency Room.

V. HAZARDOUS MATERIALS EMERGENCY

A. IC Coverage

1. Between the hours of 0600-1800: Emergency coverage will be provided by a day shift IC.
2. Between the hours of 1800-0600: Emergency coverage will be provided by a night shift IC.
4. Non-Production hours - Scheduled non-production hours are only during scheduled shutdowns (typically semi-annually). During these times the Security Response Center will be staffed with Personnel having specific instructions on alarm systems and panels which include selected contacts for each system and emergency notifications including the Facilities on-call, San Jose Fire Department, San Jose Police Department, etc.

B. IC's Actions for Hazardous Materials Emergencies Response

1. Evaluate scope of the emergency.
2. Determine whether ERT should be called out.
3. Establish a command post in the "Cold Zone" of the incident.
4. The command post will function as a communication center. The Incident Commander will be the overall authority and must remain stationed at the Command Post. All communications and decisions will come from this source.
5. Assign roles (Safety, Operations, Security, etc.) as needed.
6. Decide on necessity of shutdown, evacuation, search and rescue.

C. Evaluate Need for Evacuation

1. Evacuate anyone present in the "Hot or Warm Zone" of the Incident.
2. Evaluate if the building needs to be evacuated by considering the following questions:
   a. Use alarm system(s) to determine the need for evacuation.
   b. Should building air intakes be closed?
   c. Should any pipe valves be closed?
   d. If toxic gases are involved, determine wind direction and direct all personnel upwind for their protection.
   e. Should other hazardous or non-compatible material be quickly moved to another location?
   f. Should any electrical sources be shut off?
3. ERT members will assist in any evacuations. Posted evacuation routes in work areas will be used during evacuations except when incident activities or zones block posted evacuation routes. In these cases, employees must be rerouted to alternate evacuation routes.

D. Securing the Area

1. Hot and Warm zones need to be determined based on nature of incident. These off-limit areas surrounding the incident should be cordoned off immediately with barrier tape and traffic cones. Stairways and elevators leading to an off-limit area should also be secured.
2. Site Security, along with area's managers, should assist in monitoring these boundaries so only authorized personnel are allowed to enter.

E. Entry Team

A buddy team consisting of two Entry Team members (two backup ready to assist) should enter the hazardous area as soon as possible to identify the spilled product and its hazards.

1. These two entry team members should be equipped with full protective suits and respiratory protection as needed.
2. Personal protection and equipment to be used should be determined by the IC and the Safety Officer.

F. Containment/Spill Cleanup for Large Spills Greater Than 2' Diameter (Spills less than 2' diameter may be handled locally)

1. IC establishes ERT command post in a non-hazardous location. Assesses and evaluates the

emergency:
   a. Extent of the release
   b. Hazards to personnel and the environment
   c. Identity nature of the spilled material
2. IC determines whether spill is within the ERT's capabilities. If not, the San Jose Fire Department is notified. If this is the case, then ERT will serve as a resource to the San Jose Fire Department and ensure personnel safety.
3. The ERT assembles at the Command Post.
4. Perimeter of hazard area is secured by Site Access (ERT) or Security Personnel. The Incident Commander will determine if additional evacuations are necessary.
5. Any rescue operations will be conducted by ERT rescue crews wearing the appropriate levels of PPE. After victims are removed from the hazard area, they should be decontaminated, as necessary, prior to being turned over to the OHN or MERT members for first aid.
6. Spill control crews begin containment by diverting or diking the leading edge of the spill.
7. The source of the leak must be controlled. This may include turning off valves, plugging, up righting containers, or transferring material to another container.
8. Every effort should be made to prevent spill material from entering any storm drain or sewer drainage systems.
9. Once the spill is contained the material can be absorbed or collected using absorbent materials, pumps, or "wet-vacs"(depending on nature of the material).
10. All non-disposable contaminated equipment must undergo decontamination (e.g., rinsing, neutralization, etc.). All ERT members who worked in the hazard area must undergo decontamination prior to removing PPE and leaving the area.
11. All disposable contaminated materials must be appropriately packaged and labeled for hazardous waste disposal. Ensure that there are no free liquids in bags containing absorbent material. Consult EHS Dept. for guidance.
12. After decontamination is complete, the perimeter can be removed and the area re-opened for use.
13. Immediately after the emergency, once the materials are decontaminated, packaged, and labeled, the Environmental Engineering/Emergency Coordinator shall provide guidance for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire or explosion at the facility.
14. The ERT will restore equipment to state of readiness and document the incident response during a debriefing.

G. Hazardous Gas Release

For ammonia gas release related to the bulk ammonia system, ERT, IC, or the SRC will contact Air Products for emergency response. Air Products 24-hour emergency number is: 800-769-9117. All other hazardous gas release will follow the below procedure.

1. SRC will activate the ERT, and review the Life Safety/Gas Monitoring Systems for indications of a release, noting the location and extent of the release.
2. The IC establishes ERT Command post in a non-hazardous location. Assesses and evaluates the emergency:
   a. Extent of the release
   b. Hazards to personnel and the environment

c. Identity and nature of the released gas

3 The IC determines whether the gas release is within the ERT's capabilities. If not the San Jose Fire Department is notified. If this is the case, then ERT will assist the San Jose Fire Department and serve as a resource and ensure personnel safety.
4. The ERT assembles at the Command Post.
5. The IC will ensure that emergency shut-off valves are activated either automatically by the Life Safety System or manually from the emergency control station in the Security Response Center.
6. Perimeter of hazard area is secured by Security and ERT. The IC will determine if additional evacuations are necessary.
7. Any rescue operations will be conducted by ERT rescue crews wearing appropriate levels of PPE. After victims are removed from the hazard area, they should be decontaminated as necessary, prior to being turned over to the OHN or MERT members for first aid.
8. For situations that require ERT entry into the affected area, the IC will assess the situation and direct the ERT members to don the appropriate PPE (based on input from the Safety Officer) for entry into the affected area. Typically the PPE requirements for entry into a toxic gas scenario would include: SCBA, chemical protective gloves, and an encapsulating suit if a corrosive environment might be anticipated.
9. The IC will select the necessary air monitoring equipment for ERT members to evaluate the source and the extent of the release (i.e. MDA TLD Gas Monitor; Micro5PID monitor).
10. In cases where a shut-off valve cannot be activated remotely from the SRC, then ERT should attempt a shutdown of the leaking gas source by closing manual valves, if this can be done without risk. Any tools or equipment that might be utilized to stop or control the gas release should be included. (Note: Only non-sparking tools may be used in conditions where flammable or explosive condition may exist).
11. ERT members may enter the affected area, only after it has been determined that they are properly protected against any threat to their health and safety, in teams of two and with one member in constant radio contact with the Operations or Entry Leader.
12. Upon entering the area the ERT members may then identify and evaluate the source of the gas leak and stop the flow of gas if they have the means of doing so and there is no apparent threat to their health and safety.
13. In the case of a leaking cylinder stored outside of an exhausted gas cabinet, it should be placed in an exhausted Leaker (Cylinder) Cabinet. The cylinder's vendor should then be notified immediately to arrange emergency transport of the faulty cylinder back to their facility (see Emergency Phone Listings for Compressed Gas Vendors in the appendix).
14. If a gas leak cannot be contained or treated effectively, then the EHS Department must be alerted in order to contact the appropriate regulatory agencies for notification of significant gas concentrations that might escape the boundaries of the facility and have a potential impact on the surrounding community.
15. Immediately after the emergency, once the materials are decontaminated, packaged, and labeled the Environmental Engineer/Emergency Coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire or explosion at the facility.
16. The ERT will restore equipment to state of readiness and document the incident response during a debriefing.

H. Agency Notification

1. The Incident Commander should consult with the Environmental Engineer about the need to notify the agencies listed below. If such an accidental release occurs, the facility must immediately notify the local emergency planning commission and state emergency response commission for any area likely to be affected by the release. In addition, spills of CERCLA hazardous substances must also be reported to the National Response Center at 800-424-8802.
   a. Office of Emergency Services (800-852-7550)
   b. Regional Water Quality Board (510-622-2300)
   c. Cal/OSHA District Office (Oakland) (510-622-2916)
   d. Dept. of Fish & Game (707-944-5523)
   e. BAAQMD (415-771-6000)
   f. SJ/SC Water Pollution Control Plant (408-277-5700 or 408-945-3000)
   g. Dept. of Toxic Substances Control (510-540-2122)
2. In the event of a significant fire, the San Jose Fire Department will be automatically notified via internal systems. When the Fire Department arrives on site, all Response Team efforts will come under their control. Response Team members will stand by in advisory capacity to assist where needed and directed by the Fire Department person in charge.

VI. ERT ORGANIZATION

A. Team Organization

1. ERT is comprised of the ERT Program Manager, Incident Commanders, OHN, MERT, Chemical Handlers, Facilities, Production and Line Maintenance personnel. The Program Manager will act as backup for the Incident Commanders.
2. In-house Support Personnel: Support groups (including environmental engineering, facilities operations/maintenance, process engineering, design engineering, etc.) consisting of persons with process, chemical and safety backgrounds and available for advice to the Incident Commander.

VII. RESPONSIBILITIES OF TEAM MEMBERS

A. Responsibilities of ERT Program Manager

1. Selection of team members.
2. Provides training for ERT team, both monthly training as well as 40 hour training.
3. Evaluation of team performance.
4. Functions as an incident commander as necessary.
5. Assists IC with generating incident documentation and follow-up action items.

B. Responsibilities of Incident Commander

1. Non-incident responsibilities
   a. Help in conducting ERT Training, leading during quarterly drills.

2. Incident responsibilities for hazardous materials emergency response
   a. Responds to ERT IC call outs
   b. Evaluates scope of the emergency (Including medical response)
   c. Determine whether ERT should be called out.
   d. Decides on necessity of evacuation, shutdown, and search and rescue.
   e. Determine whether San Jose Fire Department should be notified.
   f. Directs activities of ERT during an incident in containing and controlling the emergency.
   g. Appoints the following positions as needed, with a minimum of:
      i) Safety Officer
      ii) Operations Chief
      iii) Entry Team Leader
      iv) Decon Team Leader
      (Checklists for these positions, as well as checklists for other key staff positions are in Appendix B).
   h. Gives updates to crisis communication team as needed.
   i. Coordinates activities with professional emergency services (San Jose Fire Department etc.)
   j. Gives "all clear" for re-entry or re-use of affected area(s).
   k. Directs a review session to evaluate the effectiveness of the emergency response during the evacuation and generates incident documentation and follow-up action items

C. Responsibilities of OHN

1. Non-Incident responsibilities
   a. Selection of MERT members.
   b. Evaluation of MERT members' performance.
   c. Coordinate/conduct MERT training.
   d. Provide Bloodborne Pathogen training to MERT members.
   e. Ensures that ERT and MERT are medically qualified to perform tasks associated with hazardous materials and/or medical response emergencies.
2. Incident responsibilities
   a. Medical care of victim(s)
   b. Directs MERT members and medical support personnel in the care of injured persons.

D. Responsibilities of MERT members

1. Provides immediate first aid response capability for medical emergencies.
2. Directs the activities of ERT members during response for medical emergency.
3. Coordinates Medical activities with operations during joint emergencies.
4. Passes medical information over to ambulance on arrival.

E. Responsibilities of Entry team

1. Removes victims.
2. Identify the spill.
3. Contain the spill.
4. Assist in shutting down production equipment.

5. Decon victims, personnel and equipment.
6. Cleanup the spill.

G. Responsibilities of ERT

1. Assist in roping off area of concern and crowd control.
2. Assist OHN or MERT in the care of injured persons.
3. Suit-up Entry Team and Decon Team.
4. Review MSDS and other reference materials.
5. Maintain emergency response equipment and supplies.

VIII. RESPONSIBILITIES OF IN-HOUSE SUPPORT PERSONNEL

Other support groups (including facilities electricians, HVAC, plumbing, engineering, process engineering, design engineering, etc.) consisting of persons with process, chemical and safety backgrounds are available for advice to the Incident Commander.

A. Responsibilities of Health & Safety Staff

1. The Safety Liaison will act as a resource for ERT IC when present.
2. The Occupational Health Nurse will act as a resource to MERT and ERT IC when present.
3. Provide training courses and drills to ERT members and MERT, as required.
4. Notify outside regulatory agencies when required (e.g., Fire Department, Cal/OSHA, etc.).

B. Responsibilities of SRC Staff

1. Monitor alarms.
2. Assist in evacuating affected areas.
3. Control personnel and vehicles, as directed.
4. Secure perimeters of emergency scene, as directed.
5. Direct emergency vehicles to emergency scene.
6. Assist in roping and securing off area of concern.
7. The security staff will be available to support the team in the event of an emergency in those functions that are part of their regular duties.

C. Responsibilities of Environmental Staff

1. Provide and maintain hazardous materials spill clean-up equipment.
2. Notify appropriate governmental agencies (i.e., OES, EPA, BAAQMD, USD, Alameda County Pollution Control, DOHS, etc.)
3. Advise/direct IC in hazardous waste cleanup and disposal. When necessary arrange for off-site vendors or other services needed.

D. Responsibilities of Facilities

1. Provide additional personnel to support ERT activities.

2. Advise IC on facilities equipment/process knowledge if needed (i.e., duct systems, air intakes etc.).
3. Perform utility shut-downs when necessary.
4. Control fire sprinkler valves upon direction of ERT Leaders/Fire Department.

E. Responsibilities of DI/Waste Treatment

1. Provide and maintain hazardous materials spill clean-up equipment.
2. Perform DI and Waste shutdowns, transfers when necessary.
3. Advise IC on process knowledge (i.e., waste drains, pumping tanks etc.).

F. Responsibilities of Affected Area Supervisor/Engineers

1. Ensure orderly and rapid area evacuation when necessary.
2. Shut-down process controls, manufacturing equipment, supply gases, etc. as needed.
3. Assist in correcting the immediate problem(s), if safe to do, under the direction of the ERT Incident Commander.

G. Responsibilities of Crisis Communication Team (CCT)

1. The Crisis Communication Team (CCT) will receive information regarding the incident from the Incident Commander. The CCT will prepare statements for the press, if needed. They will provide information to the press regarding the incident.

IX. REQUIREMENTS AND TRAINING

A. Requirements for ERT and MERT members

1. Meets health standards.
2. Take and pass state certified 40 hour Haz Mat Industry Technician course per CSTI standards and requirements
3. Perform all tasks in a teamwork environment.
4. Must not have any work related performance problems during the year.
5. Per ERT Program Manager's discretion, maintain knowledge and training skills throughout 24 hours of monthly training annually.

B. Training ERT

1. Monthly training sessions, which include review of the following (24hrs):
   * Decontamination
   * Suit-Up
   * Hazardous Materials Response/Gas Releases
   * Personal Protective Equipment
   * Hazard Detection & Monitoring Devices
   * Incident Command System
   * SCBA Suit-up

* Search & Rescue/Victim Handling
* Fire Suppression

2. Quarterly Drills

C. Training MERT

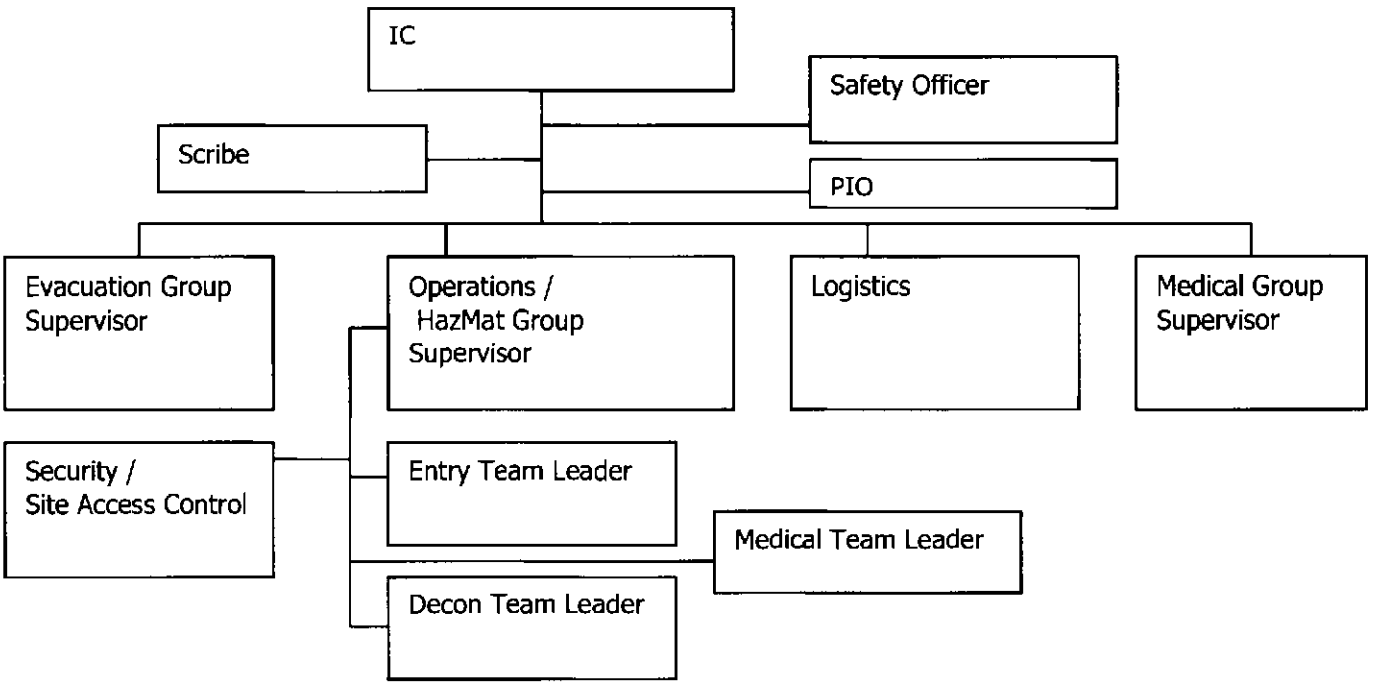
1. Monthly training sessions which include reviews of the following:
   * First Aid Training/Certification
   * Cardiopulmonary Resuscitation (CPR)
   * Bloodborne Pathogens
   * Basic Observation and Assessments
   * Vital Signs
   * Administration of oxygen
   * Interface with Professional Emergency Medical Services.
   *. Disaster Management/Lift & Moving Patients
2. Quarterly Drills
3. AED training and annual certification

APPENDIX A

EMERGENCY CHECK OFF SHEETS

Incident Commander Worksheet

Date:	Time:	Location:
Incident Description:		



Isolate & Deny Entry – Assign site access control

Verify Evacuation – assign Evacuation Coordinator

Chemical Involved:

Chemical Hazards:

Incident Objectives:

Action Plan:

Signature _____ Date: _____

LOGISTIC SECTION CHIEF
CHECKLIST
(IC←LOGISTICS)

RESPONSIBILITIES: Responsible for providing facilities, services and material in support of the incident.

DUTY CHECKLIST:

[ ] Obtain situation briefing from Incident Commander

[ ] Don Identification vest

[ ] Appoint and brief staff as needed.
- [ ] Security
- [ ] Staging

[ ] Establish location of Personnel Staging Area.

[ ] Determine and provide logistic needs to support present and planned incident operations.

[ ] Coordinate and process requests for additional resources.

[ ] Advise IC on current service and support capabilities

[ ] Confer with Incident Commander, Plans, & Operations as needed.

[ ] Ensure general welfare and safety of Logistics Section personnel

[ ] Forward all reports/documentation to Incident Commander.

PLANNING SECTION CHIEF
CHECKLIST
(IC←PLANS)

RESPONSIBILITIES:

Responsible for the collection, evaluation, dissemination and use of information about the incident and status of resources. Information is needed to 1) understand the current situation, 2) predict probable courses of incident events and 3) prepare alternative strategies and control operations for the incident.

DUTY CHECKLIST:

[ ] Obtain situation briefing from Incident Commander.

[ ] Don Identification vest.

[ ] Reassign initial response personnel to incident positions as appropriate

[ ] Establish a weather data collection system or lines of communication as needed

[ ] Develop Incident Action Plan; submit to Incident Commander for approval.

[ ] Assemble information on alternative strategies for response.

[ ] Identify need for use of specialized resources.

[ ] Confer with Logistics to exchange resource information.

[ ] Provide periodic predictions on incident potential, or changes in the incident to the IC.

[ ] Compile and display incident status summary information
  [ ] Assign Scribe as needed

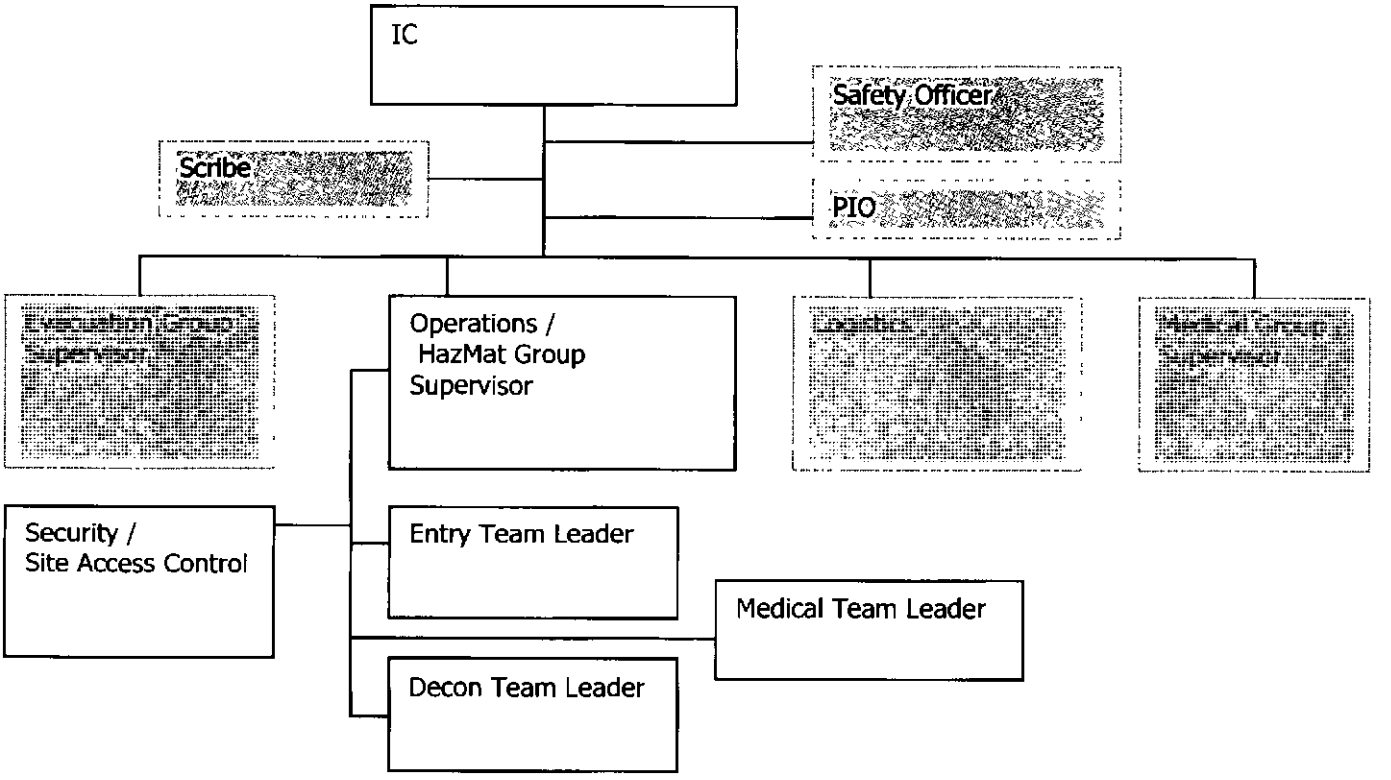
[ ] Provide incident traffic plan

[ ] Ensure that normal agency information collection and reporting requirements are being met.

[ ] Prepare recommendations for release of resources to the IC.

Operations Worksheet

Date:	Time:	Location:
Incident Description:		



Verify Site Access Control . . . ID Hot Warm Cold Zones - Up hill, Up Wind of hazard

Assign Entry Team Leader & Decon Team Leader

Verify Pre-entry medicals with Medical Team Leader

Verify Site Safety Plan with Safety Officer

Chemical Involved:

Chemical Hazards:

Incident Objectives:

Action Plan: Keep everyone on same page. Establish communications with Fire Dept

Signature _____ Date: _____

EVACUATION COORDINATOR CHECKLIST (IC← OPERATIONS ←EVACUATION)

RESPONSIBILITIES:
Secure evacuation routes and areas from unauthorized personnel and to remove other building occupants away from the Hot Zone as needed.

- [ ] Obtain briefing from Ops.
- [ ] Don Identification Vest.
- [ ] Assess situation.
- [ ] Develop Evacuation Plan.
  - [ ] Ensure that evacuation routes do not interfere with ERT Incident Operations.
  - [ ] Ensure evacuation assembly areas do not interfere with ERT Incident Operations.
- [ ] Notify Ops that evacuation plan has been prepared.
- [ ] Implement Evacuation Plan as directed by Operations.
- [ ] Designate individuals to guide employees in the appropriate direction.
  - [ ] Provide these ERT members with green ERT arm bands for identification
- [ ] Update Ops when evacuation is complete and as necessary.
- [ ] Evaluate Progress/Receive Updates.
- [ ] Forward all reports/documentation to the Incident Commander.

SAFETY OFFICER
(IC←SAFETY)

RESPONSIBILITIES: Responsible for monitoring and assessing hazardous and unsafe situations and developing measures for assuring personnel safety. The Safety Officer will also collect hazard information for any chemical substances likely to be experienced during the incident.

[ ] Obtain situation briefing from Incident Commander.

[ ] Don Identification vest/

[ ] Identify existing and potential hazardous situations associated with the incident.

[ ] Keep all personnel informed of existing and impending hazards.

[ ] Complete Site Safety Plan

[ ] Review Incident Action Plan.

[ ] Review and brief team on Site Safety Plan, ensure sign off by IC and Operations

[ ] Exercise emergency authority to stop and prevent unsafe actions.

[ ] Investigate accidents occurring within incident area.

[ ] Survey the area for dangerous situations.

[ ] Evaluate the following items, do they pose a safety hazard, do they need to be mitigated?

Utilities

[ ] Natural gas. [ ] Electrical power.
[ ] Sewer. [ ] Water.

Hazardous Materials

[ ] Toxic gasses. [ ] Corrosives. [ ] Oxidizers.
[ ] Flammable gasses/liquids.
[ ] Poisons. [ ] Other _____

Buildings

[ ] Structural integrity.
[ ] Flooding as it relates to fire control activities.
[ ] Rupture of vessels, tanks or pipes possible dangers.
[ ] Maintain log of activities and other pertinent information.

[ ] Forward all reports to IC.

PUBLIC INFORMATION OFFICER CHECKLIST (IC←PIO)

RESPONSIBILITIES: Formulates and releases information about incident to appropriate personnel and/or media, communicates directly with the Site Crisis Communication Team and/or is fully integrated into that function.

[ ] Don Identification Vest.

[ ] Obtain situation briefing from Incident Commander.

[ ] Establish contact with other departments affected or media.
- [ ] Managers.
- [ ] Supervisors.
- [ ] General Manager.
- [ ] Newspaper, TV, Radio, etc.

[ ] Establish single incident information center wherever possible

[ ] Arrange for necessary work space, materials, telephones and staffing.

[ ] Maintain communication with Incident Commander to get situation updates.

[ ] Observe constraints on the release of information imposed by the IC.

[ ] Obtain approval for release from IC.

[ ] Attend meetings to update information releases.

[ ] Respond to special requests for information.

[ ] Maintain Log of activities and other pertinent information.

Decon Team Leader: Responsible for establishing and managing Decontamination Operations
Reports to HazMat Group Supervisor, or Operations, or IC

Date: _____ Time Started: _____

1. ID Material _____

Hazards: _____

Decon Solution _____

Level of Protection for Decon Team: _____

2. **(Sketch Map ON BACK)** ID Hot Zone, Cold Zone, Decon Corridor
Consider: Uphill, upwind . . . consider run-off
ID Water Source

3. Personnel Tracking

Name DECON TEAM	Trained / Qualified	Pre suit up Meds	Time on Air	Time off Air	Post suit up meds

4. Post Incident Critique / Comments / Suggestions **(use back if necessary)**

Completed by: _____ Date: _____
Name / *Signature*

Return all pages to IC to complete incident report

SECURITY LEADER CHECKLIST (IC←LOGISTICS←SECURITY)

RESPONSIBILITIES:
Secure and deny entry to surrounding, cold zone, incident area from unauthorized personnel, traffic or media.

DUTY CHECKLIST:

[ ] Obtain briefing from Logistics.

[ ] Don identification Vest.

[ ] Secure area as needed.
- [ ] Direct unauthorized people to appropriate areas.
- [ ] Utilize barricade tape, signs to mark areas off limits.
- [ ] Maintain safety procedures.

[ ] Meet and direct off site emergency equipment (ambulance, etc.) to appropriate area.

[ ] Assist with Evacuation as required.

[ ] Meet and direct media personnel to appropriate area.

[ ] Update Logistics as necessary.

[ ] Forward all reports/documentation to the Incident Commander.

STAGING AREA MANAGER CHECKLIST (IC←LOGISTICS←STAGING)

RESPONSIBILITIES: Responsible for managing all activities within the staging area.

DUTY CHECKLIST:

[ ] Obtain briefing from Logistics.

[ ] Don identification Vest.

[ ] Assemble all unassigned personnel in personnel Staging Area.

[ ] Establish staging area layout.

[ ] Determine any support needs for equipment, feeding, sanitation and security

[ ] Take a separate count of Chemical Handlers and Support Personnel.

[ ] Release personnel as requested by Incident Commander, Operations, Logistics or Planning.

[ ] Request maintenance service for equipment at Staging Area as appropriate.

[ ] Keep record of equipment released.

[ ] Update Logistics as necessary.

[ ] Maintain staging area in orderly condition.

[ ] Forward all reports/documentation to the Incident Commander.

Entry Team Leader: Responsible for managing activities in the Hot Zone.
Reports to HazMat Group Supervisor, or Operations, or IC

Date: _____ Time Started: _____

1. **ID Material Hazards:** (3 references) _____

_____

Level of Protection for Entry Team & Back Up Team: _____

5. **(Sketch Map on Back)** ID Hot Zone, Cold Zone, Decon Corridor
Entry Points, Emergency Exits

6. Incident Action Plan / Objectives

_____

7. Required Equipment

Communications	Channel	Radio Check
Rescue Equipment		
Monitoring Equipment		
Sampling Equipment		
Fire Suppression Equipment		

8. Pre-Entry Briefing (Review Incident Objectives and Site Safety Plan)
Time Completed: _____

9. Personnel Tracking

Name ENTRY TEAM	Trained / Qualified	Pre suit up Meds	Time on Air	Time into Decon	Time off Air	Time to Medical	Post suit up meds	Injuries
Rescue Team								

10. Post Incident Critique / Comments / Suggestions **(use back if necessary)**

Completed by: _____ Date: _____

Return all pages to IC to complete incident report

ERT DECON TEAM CHECKLIST ROLES

1. SPRAYER (1) : To ensure proper wash down of contaminated person. Sprayer is only one to make initial contact.
   Name _____
2. SCRUBBER (2): Applies surfactant as needed, uses scrub brushes to remove contaminant from suits. One scrubber per decon pool.
   Name(s) _____and_____.
3. STRIPPER (1-2): To properly remove all contaminated clothes from victim, as well as to assist entry team disrobe from suits. Bags all items as needed.
   Name(s) _____and_____
3. DECON LEADER (1): To ensure Decon procedures are being followed per checklist. To help remove SCBA and RADIO, and escort to Medical for observation. Reports to IC
   Name:_____

DECON SUIT UP

- [ ] Rubber Boots.
- [ ] Suit (appropriate Level of Protection, confirm with Ops)
- [ ] Gloves.
- [ ] Respiratory Protection (SCBA or APR as needed, confirm with Ops)

EQUIPMENT NEEDED

- [ ] Hose with spray wand
- [ ] Water
- [ ] Trash can
- [ ] Rolls of Plastic or tarp
- [ ] Trash Bags.
- [ ] Buckets and brushes
- [ ] Decon Pools
- [ ] Decon solutions as needed
- [ ] Portable pump sprayer for solution
- [ ] pH paper
- [ ] Chairs

SET-UP PROCEDURES FOR DECON AREA

- [ ] Set up boundaries for entry and exit through warm zone to hot zone
- [ ] Lay down tarp
- [ ] Set up pools
- [ ] Set up tool drops
- [ ] ID water source, hook up hose, charge line
- [ ] Fill portable sprayer with water and decon solution
- [ ] Set up chairs and plastic bags at exit

PROCEDURE STEPS

- [ ] 1 of 2 Strike Team members step into pool.
- [ ] Spray with decon solution, rinse and scrub from head to toe for approx. 5 min
- [ ] Help team member out of pool (repeat as needed in second pool with water rinse)
- [ ] Roll down suit from top down (Carefully in detail).
  - [ ] Open up back zipper.
  - [ ] Peel forward and down (away from body) including arms/gloves.
  - [ ] Monitor to help team member take off SCBA and radio.
- [ ] Escort to Medical area for observation.
- [ ] Collect contaminated equipment for disposal.
  - [ ] Label containers with contaminated clothing, pool contents per environmental

ERT ENTRY TEAM
SUIT UP CHECKLIST

Entry Team Member Name:_____ Entry Team Member Name:_____

[ ] **Confirm willingness of Entry Team to suit up**
- [ ] No facial hair in area of face seal
- [ ] No medical restrictions
- [ ] Check with MERT to ensure vitals are taken and in the acceptable range **BEFORE** suiting up

[ ] Remove all sharp objects from pockets including badges, pens, cell phones & pagers

[ ] Remove shoes

[ ] Place feet into suit, pull up suit to waist of entry team member

[ ] Put boots onto entry team member, pull down suit cuffs over boots

[ ] **Don SCBA backpack with cylinder**
- [ ] Check cylinder gauge, ensure it's in the green range
- [ ] Check the mask regulator by removing it from the storage cup on the belt strap
  - [ ] Ensure the bypass valve (red valve) is fully closed (turn clockwise until it stops)
  - [ ] Return the mask regulator back to the storage cup on the belt strap
- [ ] Turn on air by rotating cylinder valve fully until the turn knob stops
- [ ] Check regulator pressure gauge on shoulder strap, ensure it reads properly
- [ ] Put on the SCBA, adjust shoulder straps and belt strap

[ ] **Notify Operations that entry team members are ready for instructions**
- [ ] Receive instructions from Operations and brief entry team
- [ ] Review emergency hand signals with entry team for:
- [ ] No air [ ] Send more help [ ] Everything fine

[ ] **Don SCBA Face Mask**
- [ ] Position mask on chin first, pull straps up and over head
- [ ] Tighten two chin straps first, until snug
- [ ] Tighten two temple straps next, until snug
- [ ] Tighten head strap last, until snug
- [ ] Perform negative pressure check (cover mask hook up hole w/hand, inhale, mask should collapse)
- [ ] Remove mask regulator from belt, clip into face mask, INHALE, air should flow
- [ ] Record time on air _____

[ ] **Complete suit-up**
- [ ] Put on inner/outer gloves as needed (Level B and below only)
- [ ] Stand up and pull up suit while putting hands through sleeves
- [ ] Zip up suit (seal velcro closure on level A suit)
- [ ] Level B and below ONLY
  - [ ] Tape gloves, zipper and crotch and waste as needed with chemical tape, NOT duct tape!
- [ ] Have entry team give you a thumbs up if they are ready to go
- [ ] Release entry team to enter hot zone, record time

ERT Site Safety Plan

Incident Name:	Time:	Date:

Site Information

Incident Location:		
Safe Access Route to Incident Site for ERT:		
Safe Access Route to Incident Site for Emergency Services:		
Command Post Location:		
Weather Conditions:		
Wind Direction:	Speed:	Temp:
Forecast:		

Organization

Incident Commander:		
Safety:	Staging:	
Operations:	Security:	
Planning:	Medical:	
Logistics:	PIO:	

Entry Leader:		Decon Leader:
Entry	Back-Up	Decon
Entry	Back-Up	Decon
Entry	Back-Up	Decon
Entry	Back-Up	Decon

Hazard Evaluation

Chemical Name(s):
Chemical Hazard(s):

Incident/Action Plan / Objectives

Safety

Safety Precautions:

Monitoring

LEL instrument(s):	[ ] continuous, or:
O2 instrument(s):	[ ] continuous, or:
Toxicity /PPM instrument(s):	[ ] continuous, or:
pH:	
Fluoride:	

Protective Clothing

Entry & Rescue Level:
Decon Level:

Decontamination

Decon Corridor Location:
Standard Decon: [ ] YES [ ] NO
If Decon must be modified, the modified layout and procedure will consist of:
Decon solution for Personnel:
Decon solution for Equipment:
Effectiveness of Decon to be verified by (pH, Spilfyter etc.):

Communications

Talk Groups assigned:	Command Staff:	Entry Team:
Additional Communications utilized:	Command Staff:	Entry Team:
Review Back Up Hand Signals		

Health

	Entry and Decon Personnel have pre-entry and post-entry vitals completed by qualified MERT personnel. (attach copy of medical monitoring from)
☞	Emergency First Aid and transportation will be provided by _____ and the medical facility will be notified of the situation resulting in the injury.

Medical Unit:	Location:

Emergency Procedures

☞	**Rescue: In the event a rescue of the entry team is required, the Rescue team will be notified by:**
☞	**Escape/Evacuation Alarm for Entry Team/ERT:**
☞	**Entry Team Escape Route:**
☞	**Supporting ERT Escape Route:**
☞	**Escape/Evacuation Alarm for site employees:**
☞	**Location of Safe Refuge Area:**
☞	**Site employee evacuation route(s):**

Plan Review

All Entry, Rescue, and Decon Personnel have been briefed on the plan prior to entry.		Time
No changes shall be made to this plan without approval of the Safety Officer		
Safety Officer SIGNATURE	Date	Time
Operations SIGNATURE	Date	Time
Incident Commander SIGNATURE	Date	Time

APPENDIX B

HAZARDOUS MATERIAL EMERGENCY RESPONSE CONTRACTORS/SUPPLIES/EQUIPMENT

CONTRACTORS

1. RDT Environmental Services
   1231 Alderwood Ave.
   Sunnyvale, Ca 94089
   Phone: 408-593-9309 cell, 415-584-0474 home
   Contact: Jim Isles
   Services: Emergency Decontamination, Waste Disposal

2. Clean Harbors Env. Services
   1040 Commercial Street
   San Jose, CA 95112
   Phone: 408-451-5000
   Services: Waste Disposal

APPENDIX D (cont)

B. On-line Gas Release Inside of Gas Cabinet

Evacuate Area, Activate ESO & Call X2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)
Contact Gas Vendor
Contact Air Products if Bulk Ammonia system is leaking

Confirm Employee Evacuation and Isolation of Hot Zone

Complete Hazard Assessment (Risks to personnel, facility, and community).
Monitor gas concentrations remotely
> 1/2 IDLH - Agency & Community Notifications

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (Flash resistant for Flammable Environments)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Leave Cylinder in Cabinet
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX D (cont)

C. Off-line Gas Cylinder Release Inside of Gas Cabinet

Evacuate Area, & Call x2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)

Confirm Employee Evacuation and Isolation of Hot Zone

Complete Hazard Assessment (Risks to personnel, facility, & community?)
Identify Source if Possible (Cylinder or Panel?)
Monitor Gas Concentrations Remotely

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (Flash resistant for Flammables, radios, hand tools)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Leave Cylinder in Cabinet
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX E

COMPRESSED GAS SUPPLIERS EMERGENCY CALL LIST

SUPPLIER	DAY PHONE	24 HOUR #
Air Products	(800) 523-9374	(800) 769-9117
AKZO Nobel	(914) 693-6996	(800) 424-9300 (Chemtrec)
Epichem	(978) 374-5200	(800) 424-9300 (Chemtrec)
Matheson	(973) 257-1100	(800) 424-9300 (Chemtrec)
Praxair	(800) 645-4633	(800) 424-9300 (Chemtrec)

(800) 424-9300 is ChemTrec; the usual procedure when you call them is to provide them with the specific information that they request and they will contact the appropriate local responders to call and/or arrive at our facility.

APPENDIX F

MERT Response to an Ammonia Release
Health Care Facilities

Route of exposure: Inhalation

Toxicology: Irritant of the eyes, respiratory tract and skin. In high concentrations: corneal irritation and upper respiratory obstruction.

Symptoms: Burning eyes, mouth, and throat; nasal dryness; difficulty breathing and airway obstruction in severe cases. Symptoms are usually immediate.

Note: Because ammonia is very irritating with a low odor threshold, victims who are able will likely escape.

Upon arrival at the scene: Request estimate of length of exposure and concentration from victim and/or ERT.

Immediate first aid includes:

1. Ensure employee has been decontaminated appropriately
2. ABC's
3. Administer oxygen
4. Assess for chemical inhalation symptoms, possible chemical burns and other injuries
5. Confirm estimate of length of exposure and concentration from victim
6. If chemical burns found, flush areas with normal saline
7. Treat other injuries as appropriate per first aid protocols
8. Refer for further medical evaluation

Medical Referral: Alliance Clinic if symptoms are mild
911 if respiratory difficulty or other severe symptoms

Health Care Facilities:

Alliance Clinic
2737 Walsh Avenue
Santa Clara
408-228-8400

O'Connor Hospital
2104 Forest Avenue
San Jose
408-947-2666

Attachment B

MERT Training Sign In Sheet
&
Supporting Documents

2008 MERT Training ● Date 7/15/08 ●

Name	Sign-in and class date
Cauffman, Nate	
Chin, Helen	Helen Chin 7-17-2008
Digeronimo, Phyllis	
Earley, Teresita (ERT)	Teresita L. Earley 7/17/200
Ferrer, Christine (ERT)	
Gacad, Nida	Ingacad - 07/17/08
Galang, Angelica	
Gonzales, Al (ERT)	
Kindred, Jeff (ERT)	
Martinez, Ricardo (ERT)	Ricardo Martinez
McNew, Wanda (ERT)	Wanda McNew 7/17/08
Morales, Mario (ERT)	
Prado, Joey	Joey Prado
Rimando, Dolora	
Riopel, Lora RN	
Rutherford, Christine	
Simbe, Arthur	
Spence, Steve	STEVE SPENCE
Tejera, Sam	
Weeks, Gene (ERT)	7/11/08

2008 MERT Training Date 7/15/08

Name	Sign-in and class date
Cauffman, Nate	Nate Cauffman 7-15-08
Chin, Helen	
Digeronimo, Phyllis	Phyllis DiGeronimo
Earley, Teresita (ERT)	
Ferrer, Christine (ERT)	
Gacad, Nida	
Galang, Angelica	Angelica Galang 07/15/08
Gonzales, Al (ERT)	
Kindred, Jeff (ERT)	
Martinez, Ricardo (ERT)	
McNew, Wanda (ERT)	
Morales, Mario (ERT)	
Prado, Joey	
Rimando, Dolora	
Riopel, Lora RN	
Rutherford, Christine	
Simbe, Arthur	
Spence, Steve	
Tejera, Sam	Sam Tejera 07/15/08
Weeks, Gene (ERT)	

Chemical Exposure: Ammonia Gas

Route of Exposure: Inhalation

Toxicology: Irritant of the eyes, respiratory tract and skin. In high concentrations: corneal irritation and upper respiratory obstruction.

Symptoms: Burning eyes, mouth, and throat; nasal dryness; difficulty breathing and airway obstruction in severe cases. *Symptoms are usually immediate*

Note: *Because ammonia is very irritating with a low odor threshold, victims who are able will likely escape.*

Upon arrival at the scene: Request estimate of length of exposure and concentration from victim and/or ERT.

Immediate first aid includes:

1. Ensure employee has been decontaminated appropriately
2. ABC's
3. Administer Oxygen
4. Assess for chemical inhalation symptoms, possible chemical burns and other injuries
5. Confirm estimate of length of exposure and concentration from victim.
6. If chemical burns found, flush areas with normal saline.
7. Treat other injuries as appropriate per first aid protocols.
8. Refer for further medical evaluation

Medial Referral: Alliance Clinic if symptoms are mild
911 if respiratory difficulty or other severe symptoms

Chemical Exposure: Chlorine Gas

Route of Exposure: Inhalation

Toxicology: Irritant of the eyes, mucous membrane and skin. In high concentration exposures, pulmonary edema [swelling of the tissue of the lung] or laryngeal edema [swelling causing blockage of the airway] can occur. Severity of symptoms depends on duration and concentration of exposure.

Because chlorine is not as irritating as other gases, victims may tolerate it longer and breathe deeper resulting in delayed affects.

Symptoms: Burning eyes, mouth, throat, and nose; runny nose; cough, choking sensation and substernal chest pain. They may also experience nausea and vomiting, headache dizziness and syncope.

Upon arrival at the scene: Request estimate of length of exposure and concentration from victim and/or ERT.

Immediate first aid includes:

1. Ensure employee has been decontaminated appropriately
2. ABC's
3. Administer Oxygen
4. Assess for chemical inhalation symptoms, possible chemical burns and other injuries
5. Confirm estimate of length of exposure and concentration from victim.
6. If chemical burns found, flush areas with normal saline.
7. Treat other injuries as appropriate per first aid protocols
8. Refer for further medical evaluation

Medical Referral: 911 if symptomatic
Alliance Clinic if no symptoms are apparent

APPENDIX D

HAZARDOUS GAS RELEASE RESPONSE CHECKLIST
(Abbreviated Format)

A. Gas Cylinder Release Outside Gas Cabinet

Evacuate Area & Call x2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)
Contact Gas Vendor
If ammonia release from the bulk ammonia system, contact Air Products for emergency response.
Air Products 24-hour emergency number: 800-769-9117.

Confirm Evacuation Process and Isolation of Hazard

Complete Hazard Assessment (Evaluate risks to personnel, facility, and community).

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (flash protection for flammable situations, radios, hand tools, etc.)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Placement of Cylinder in a Leaker Cabinet or
Cylinders Involving Flame - Isolate and Cool Cylinder
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX C (cont.)

B. Gas Release During Gas Cylinder Change

Prior to a cylinder change procedure the employee shall use the appropriate personal protective equipment for toxic, flash, and cryogenic hazards. The cylinders should also be leak checked prior to and after a cylinder change to validate the integrity of the cylinder against gas release. If the "tie wrap" (a vendor provided "position marker" that "locks" the hand-wheel to the valve assembly) on the hand-wheel shows any sign of disturbance, the cylinder should be immediately returned to the vendor). If a gas release is noted during a cylinder change procedure, the employees involved with the process may attempt to correct the leak situation by activating the ESO button, closing the cylinder main valve (manual hand-wheel or automated pneumatic), or placing the CGA valve outlet (or dust) cap tightly over the CGA connection. These procedures may only be completed by certified gas technicians wearing the appropriate level of personal protection. If these measures fail to eliminate the leak condition, then the employee must immediately close the cabinet window and/or door, and evacuate the gas vault or bunker, and initiate the emergency response in a manner similar to the previous scenarios:

1. Immediately evacuate the area, and call x2222 from a safe location. Information to the SRC operator shall include:
    a. The type of hazardous gas (concentration and any carrier gas if known).
    b. The gas vendor or supplier
    c. The location of the cylinder
    d. Estimation of the extent or rate of the release (RFO Size)
    e. Is fire involved?
2. SRC will activate the ERT Incident Command System, make the appropriate notification, and locate the emergency phone contact for the gas suppliers.
3. The ERT IC shall establish the Command Post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
4. The ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind of the gas release. The perimeter of hazard area is to be secured by ERT.
5. If there is any potential of the gas release escaping from the boundaries of the site, then the notification of all appropriate external agencies must be made (see Emergency Notification Call List; site EHS representatives should advise IC with specific agency notifications; at a minimum the local fire department and the California Office of Emergency Services should be contacted).
3. The ERT IC will assess the situation and decide if the release requires intervention by the Site ERT members or members of the gas supplier's ERT. This decision should be based on first ensuring that the ERT can safely enter the area in teams of two and with one member in constant radio contact with Entry Team Lead, the necessary protective equipment and that the entry plan calls for a reasonable mean of controlling the leak.
4. If not, the ERT should continue to allow the leak to vent into the exhausted cabinet.
5. The ERT may then await the arrival of the gas suppliers Emergency Response Team and provide assistance when necessary in the removal and transport of the cylinder from the site.
9. After the cylinder leak has either been contained or removed from the site, the evacuated zones shall be monitored and verified as safe for re-entry by protected ERT personnel using the appropriate gas detection equipment.

APPENDIX C (cont.)

2. If personnel in the area are aware of a gas release and a local or site evacuation is not in progress, then the initial responder should activate the local ESO and then call x2222 from a safe location, remote from the gas cabinet and provide the SRC Operator with the following information:
   a. The type of hazardous gas (concentration and any carrier gas if known).
   b. The gas cabinet number (or identifier) and location.
   c. The gas vendor or supplier.
   d. Estimation of the extent or rate-of-release (RFO Size).
   e. Is fire involved?

   SRC will activate the ERT Incident Commands System, make the appropriate notifications, and locate the emergency phone contact for the gas suppliers.

   If the initial responder (at the scene) is not a member of the ERT, they should report to the Security Operations Center to provide details and technical support to the ERT IC.
5. The ERT IC shall establish the Command Post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
6. If an evacuation was not automatically annunciated, then the ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind or otherwise isolated from the gas release. The perimeter of the hazard area is to be secured by ERT. The ERT IC shall monitor gas concentrations remotely and validate whether emergency shut-off devices have been activated.
   a. If the gas concentration diminishes relatively quickly over time, then the source of the gas release can most probably be attributed to a breach in the gas panel piping system (down stream from the shut-off device). In these cases an ERT entry team can respond to the area after the gas concentrations have stabilized below the TLV while using the appropriate level of PPE to investigate and validate the gas concentrations in the area (breathing zone) and gas cabinet using a portable gas detection device. The main cylinder valve should be turned off and any obvious sources of leakage should be noted at this time. If the concentrations return to a safe level and stabilize, the ERT IC may authorize the area for re-entry. At this point the process personnel can be contacted to perform a detailed incident investigation.
   b. If the gas concentrations remain consistently elevated even after the emergency shut-off has been confirmed, then the source of the gas release is most probably somewhere upstream from the shutoff device. In these situations, unless the gas release potentially poses a serious threat to personal, property or the community, allowing the cylinder to continue venting in the exhausted cabinet is the most appropriate ERT action plan. The situation should be monitored closely from a remote location and the Environmental Department must be made aware of the situation in order to determine if outside agency notifications are necessary and confirm that one-half IDLH levels at the treatment system exhaust stacks are not exceeded.
7. After the cylinder leak has either been contained or removed from the site, the evacuated zones shall be monitored and verified as safe for re-entry by protected ERT personnel using the appropriate gas detection equipment.

APPENDIX C (cont.)

8. The IC will assess the physical and health hazards and direct the ERT members to don the appropriate PPE (based on input from the Safety Officer) for entry into the affected area. (PPE requirements for entry into a hazardous gas scenario should take into account the following hazards: inhalation hazards, corrosive or toxic contact hazards, and flammable, pyrophoric or explosion potentials).
9. ERT members may enter the affected area only after it has been determined that they are properly protected against any threat to their health and safety in teams of two and with one member in constant radio contact with the IC and/or Operations Leader.
10. Any rescue operations will be conducted by ERT rescue crews wearing appropriate levels of PPE. After victims are removed from the hazard area, they should be medically evaluated.
11. Containment of most leaking cylinder situations is best accomplished by placing the cylinder into a leaker cabinet. (Primary exceptions - pyrophoric materials or cylinders involving an open flame require specials consideration).
12. Upon entering the area the ERT members may then carefully move the gas cylinder to the nearest leaker cabinet or containment system if there is no apparent threat to their health and safety.
13. After depositing the leaking cylinder in the cabinet, the ERT should ensure that there is adequate exhaust provided to the cabinet.
14. The ERT entry team may then attempt to stop the flow of gas if the source is readily identified and they have the means of doing so that presents no apparent threat to their health and safety. (Only non-sparking tools should be used when dealing with flammable or pyrophoric gases).
15. If the gas release cannot be controlled easily by the ERT, the entry team is to leave the leaking cylinder in the cabinet, ensure that the cabinet door and window are closed and remove themselves to the warm zone for decontamination.
16. The ERT should await the arrival of the gas supplier's Emergency Response Team and provide assistance when necessary in the removal and transport of the cylinder from the site.
17. The evacuated zones shall be monitored and verified as safe for reentry by protected ERT personnel using the appropriate gas detection equipment.

II. Gas Release in Exhausted Enclosure

Gas release scenarios in exhausted enclosures typically would fall into two major categories: 1) Gas release of an on-line gas delivery system; 2) Gas release during the installation or disconnection of a cylinder. The primary control measure in either case is to leave the cylinder in the exhausted cabinet or enclosure. The specific response of each scenario follows in Sections A and B.

A. Gas release from a On-line gas delivery system
   1. For this type of condition the initial detection usually is accomplished by a gas monitoring system, which integrates with a life safety system and automatically activate the ESO switch on the gas panel and annunciates either a local or global evacuation.

APPENDIX C

HAZARDOUS GAS RELEASE RESPONSE PROCEDURES

For ammonia gas release related to the bulk ammonia system, the ERT, IC, or the SRC will contact Air Products for emergency response. Air Products 24-hour emergency number is: 800-769-9117.

For hazardous gas release situations, the following procedures should be followed by personnel involved in the incident. These employees may include but are not limited to: Materials Handlers, Line Maintenance, Facilities Maintenance, and the Gas Vendors or Suppliers. The scenarios covered in the context of this procedure include two basic scenarios:

1) Gas releases from a cylinder external to a exhausted gas cabinet; and
2) Gas releases from cylinder or gas panel in an exhausted gas cabinet.

I. Gas cylinder release outside of an exhausted enclosure

Gas cylinder leaks outside of exhausted enclosures would typically fall into one of the three following categories: 1) upon initial receipt of the cylinder from the supplier; 2) while transporting the cylinder to or from a storage area or cabinet for use; and 3) at a cylinder storage location. The emergency action plan for each of situations is basically the same and should include at a minimum the following:

1. Immediately evacuate the area, and call x2222 from a safe location. Information to the SRC operator shall include:
    a. The type of hazardous gas (concentration and any carrier gas if known).
    b. The gas vendor or supplier
    c. The location of the cylinder
    d. Estimation of the extent or rate of release (RFO Size)
    e. Is fire involved?
2. SRC will activate the ERT Incident Command System, make the appropriate notification, and locate the emergency phone contact for the gas suppliers.
3. The ERT IC shall establish the Command post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
4. The initial responder, if not a member of ERT, should stand by to provide technical support and any specific details of the situation to the ERT IC.
5. The ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind of the gas release. The perimeter of hazard area is to be secured by SRC Personnel under the direction of ERT.
6. The cylinder supplier's emergency response team should then be notified immediately to assist with the control and containment of the release and to arrange emergency transport of the cylinder off of the site.
7. If there is any potential of the gas release escaping from the boundaries of the site, then the notification of all appropriate external agencies must be made (see Emergency Notification Call List; site EHS representatives should advise IC on specific agency notifications; at a minimum the local fire department and the California Office of Emergency Services should be contacted).

APPENDIX B (cont)

SUPPLIES, SYSTEMS AND EQUIPMENT:

A. FIRE PROTECTION SYSTEMS

1. Automatic sprinkler protection throughout the facility.

2. Manual pull boxes and local alarm bells.

3. Smoke detectors.

4. Hydrant System.

B. PORTABLE FIRE EXTINGUISHER

In all storage and process areas.

C. EMERGENCY POWER AND LIGHTING

Through out the site.

D. EMERGENCY COMMUNICATION

1. Motorola (Nextel) portable radios.
2. In house telephone system.
3. Public address system

F. AIR SAMPLING EQUIPMENT

1. Drager hand pump and tubes.
2. Micro5PID meter.
3. MDA TLD Portable Toxic Gas Monitor
4. Fixed Vertex Toxic Gas Monitoring Systems

G. VEHICLES

The site maintains a fleet of vehicles that can be used in emergency situations. The vehicles that could be used consist of the following:
1 Truck, 1 Forklift and a variety of fleet vehicles

Attachment D

Ammonium Hydroxide Storage Bay Photo

4
4
1
W
REMEMBER F.I.F.O.
FIRST IN
FIRST OUT
"PLEASE"
WEAR SAFETY
GLASSES AT ALL
TIMES INSIDE THE
BARS.
0
3
0
EMPTY

Attachment E

Materials Procedure for Maintaining Chemical Inventory

Document No: 2309395	Rev: AA
Title: Chemical Storage and Handling Procedure	Date Created: 7/16/08
Originator: Marissa de los Reyes	Date Issued: 7/17/08

1. Purpose:

1.1. To monitor and control the quantity and storage location of chemicals in order to maintain inventory below CalARP threshold levels.

2. Scope:

2.1. This document covers the control of chemicals received, stored and handled by the San Jose chemical support material handlers.

3. Reference Documents:

3.1. CalARP chemical threshold and storage requirements: California Code of Regulations Section Title 19, Division 2, Chapter 4.5 Section 2735.1 et. seq.

4. Terms / Definitions:

4.1. JDE – JD Edwards is an application to track, control and transact chemical storage and movement

4.2. Weekly inventory log – A log to record the quantity and locators for all chemicals subject to threshold storage levels

4.3. EH&S – Environmental Health and Safety

4.4. CalARP -- California Accidental Release Prevention Program

4.5. Threshold – Maximum exempt storage quantity authorized under CalARP

5. Responsibilities:

5.1. Chemical support material handler to unload, verify and put away chemicals in proper storage location.

5.2. EH&S: Verify legal threshold quantities on an annual basis.

6. Supplies / Materials:

6.1. JDE

6.2. Weekly inventory log

6.3. Storage area quantity signage

7. Equipment

7.1. Standard chemical handling and storage material handling equipment.

8. Safety / Environment:

8.1. Philips Lumileds safety procedures regarding the handling, storage and put away of chemicals must be followed at all times.

9. Requirements:

9.1. Maintain chemical storage quantities below threshold levels.

9.2. Store all liquid chemicals within secondary containment.

10. Procedure:

10.1. Chemical support material handler to unload, verify integrity, type, and quantity of chemicals delivered and move them to the appropriate storage bay.

10.2. Chemical support handler to verify chemicals are within the pre-assigned location and stored in quantities below the pre-assigned maximum threshold quantities. These storage quantities are entered in JDE based upon CalARP quantity thresholds.

10.3. Chemical support material handler will document the storage quantity in the weekly inventory log for all chemicals, ensuring the CalARP storage location and threshold requirements are met.

10.4. Weekly inventory log is submitted to EH&S for record retention.

10.5. Chemical support material handler ensures the locator system within JDE and the actual physical location and maximum threshold quantity for all chemicals match on a daily basis.

10.6. Chemical support material handler ensures the maximum threshold quantity and location is monitored daily and does not exceed CalARP guidelines.

11. Maintenance and Calibration:

12. Process Control / Monitoring:

13. Other:

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

Revision History Page

LCO No.	Date Issued	Originator	Owning Dept.	Rev	Reason For Update
2309401	7/17/08	Marissa de los Reyes	Materials	AA	Original

CONFIDENTIAL
This is not a controlled document. For a controlled copy of this document refer to Lumilink.

Attachment F

Report of Daily Rounds of Bulk Ammonia System

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/1/2008	7/2/2008	7/7/2008	7/8/2008	7/10/2008	7/11/2008
	7:00 AM	7:00 AM	7:00 AM	7:00 AM	7:11 AM	6:33 AM

Bulk Ammonia

UP A

Conditions Normal						YES	YES
On Line						YES	YES
Fault Alarm						NO	NO
Shutdown Alarm						NO	NO
Heat Trace #1						42.4	42.1
Heat Trace #2						45.2	44.0
Heat A-1 Source						31 6	31.6
Peer to Peer Satus Normal						YES	YES
Source in Stand-By						NO	NO
Exhaust Mag							
Containment Hood Exhaust							

UP B

Conditions Normal						NO	NO
On Line						NO	NO
Fault Alarm						YES	YES
Shutdown Alarm						YES	YES
Heat Trace #1						45.3	46.2
Heat Trace #2						45.1	45.3
Heat A-1 Source						27.8	26.4

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/1/2008	7/2/2008	7/7/2008	7/8/2008	7/10/2008	7/11/2008
	7:00 AM	7:00 AM	7:00 AM	7 00 AM	7:11 AM	6:33 AM
Peer to Peer Status Normal					YES	YES
Source in Stand-By					NO	NO
Exhaust Mag						
Containment Hood Exhaust						

ISO Heater A

Conditions Normal						YES	YES
Fault Alarm						NO	NO
Heat Zone #1						31.9	31.9
Heat Zone #2						32.0	32.0
Heat Zone #3						32.0	32.0
Heat Zone #4						32.0	32.0
Heat Trace #1						46.5	45.5
Heat Trace #2						43.8	41.9

ISO Heater B

Conditions Normal						YES	NO
Fault Alarm						NO	NO
Heat Zone #1						28.2	26.7
Heat Zone #2						27.8	26.5
Heat Zone #3						28.1	26.7
Heat Zone #4						27.8	26 4
Heat Trace #1						46.7	45.9

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

		7/1/2008	7/2/2008	7/7/2008	7/8/2008	7/10/2008	7/11/2008
		7:00 AM	7:00 AM	7 00 AM	7:00 AM	7:11 AM	6:33 AM
Heat Trace #2						47.0	43.9
BSGS							
Process A On-Line						YES	YES
Process B On- Line						NO	NO
Fault Alarm						NO	NO
Shutdown Alarm						NO	NO
Peer to Peer Satus Normal						YES	YES
Conditions at Panel Normal						YES	YES
A-1 Source						150.0	143.0
PT-1A						148.0	141.0
PT-2A						85.8	83.2
B-1 Source						131.0	110.0
PT-1B						138.0	134.0
PT-2B						85.6	82.8
Heater						58.9	59.3
Process Out						85.8	82.8
TE-7A						42.1	42.4
TE-7B						40.7	35.0
Exhaust Mag							
VOC							
Oxidizer Temperture		806 0	818.0	824.0	822.0	820.0	

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

		7/1/2008	7/2/2008	7/7/2008	7/8/2008	7/10/2008	7/11/2008
		7:00 AM	7:00 AM	7:00 AM	7:00 AM	7:11 AM	6:33 AM
Fire Eye Vol;tage		5.00	5.00	5.00	5.00	5 00	
Concentrate Outlet Temp		130.0	134.0	130.0	132.0	126 0	
Oxidizer Fan Static		0 4335	0.4335	0.3974	0.3793	0.3974	
Burner Airflow Differential		1.75	1.70	1.80	1.80	0.70	
Exhaust Static		3.20	3.20	3.20	3.20	3 20	
Process Fan Differential		6.50	6.50	6.50	6 50	7.50	

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM

Bulk Ammonia

UP A

Conditions Normal	YES		YES		YES	YES	YES
On Line	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Heat Trace #1	42.3		45.9		42.0	41.7	42.6
Heat Trace #2	43.0		43.2		40.8	41.3	40.7
Heat A-1 Source	31.5		31.6		31.5	31.5	31.6
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Source in Stand-By	NO		NO		NO	NO	NO
Exhaust Mag							
Containment Hood Exhaust							

UP B

Conditions Normal	NO		NO		NO	NO	YES
On Line	NO		NO		NO	NO	YES
Fault Alarm	YES		YES		YES	YES	NO
Shutdown Alarm	YES		YES		YES	NO	NO
Heat Trace #1	45.9		45.5		44.5	13.6	43.9
Heat Trace #2	46.3		46.1		43.1	13.3	43.7
Heat A-1 Source	22.6		20.7		19.1	60.0	31.5

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM
Peer to Peer Status Normal	YES		YES		YES	YES	YES
Source in Stand-By	NO		NO		NO	NO	YES
Exhaust Mag							
Contaiment Hood Exhaust							

ISO Heater A

Conditions Normal	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Heat Zone #1	31.9		31.9		31.9	31.9	32.0
Heat Zone #2	32.0		32 0		32.0	32.0	32.0
Heat Zone #3	32.0		32 0		32.0	31.9	32.0
Heat Zone #4	32.0		32.0		32 0	32.0	32.0
Heat Trace #1	43.9		45.6		44.2	46.1	42.3
Heat Trace #2	45.5		46.1		44.3	46.4	44.8

ISO Heater B

Conditions Normal	YES		YES		YES	NO	YES
Fault Alarm	NO		NO		NO	YES	NO
Heat Zone #1	22.9		21.0		19.4	6.00	32.0
Heat Zone #2	22.7		20 8		19.2	6.00	32 0
Heat Zone #3	22.9		21.0		19.4	6.00	32.0
Heat Zone #4	22.6		20.7		19.2	6.00	32.0
Heat Trace #1	46.9		44.3		44.1	13.8	43.7

Readings and Calculated Data
Daily Report 7/1/2008 - 8/6/2008
Data for: LSS; Configuration: Bulk Ammonia
Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008 6:43 AM	7/15/2008 7:00 AM	7/16/2008 6:02 AM	7/17/2008 7:00 AM	7/18/2008 7:38 AM	7/21/2008 6:31 AM	7/22/2008 7:57 AM
Heat Trace #2	46 3		46.7		46.1	13.4	46 3

BSGS

Process A On-Line	YES		YES		YES	YES	YES
Process B On- Line	NO		NO		NO	NO	NO
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Conditions at Panel Normal	YES		YES		YES	YES	YES
A-1 Source	146.0		145.0		140.0	144.0	142.0
PT-1A	143.0		144.0		135.0	142.0	139.0
PT-2A	83.2		84 1		80.6	82.8	81.6
B-1 Source	110.0		99.2		95.2	-13.2	155.0
PT-1B	138.0		134.0		78.1	78.2	79.3
PT-2B	83.0		83.9		80.0	82.5	81.1
Heater	59.0		59.3		58.9	59.2	59.2
Process Out	83.0		83.7		79.9	82 3	80 9
TE-7A	42.4		39.1		41.9	40.9	42.3
TE-7B	36.8		34.9		33.5	32.7	33.2
Exhaust Mag							

VOC

Oxidizer Temperture	816.0	808 0	823.0	819.0	819.0		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008 6:43 AM	7/15/2008 7:00 AM	7/16/2008 6:02 AM	7/17/2008 7:00 AM	7/18/2008 7:38 AM	7/21/2008 6:31 AM	7/22/2008 7:57 AM
Fire Eye Vol;tage	5.00	5.00	5.00	5.00	5.00		
Concentrate Outlet Temp	128.0	126.0	132.0	134 0	124.0		
Oxidizer Fan Static	0.3974	0.3974	0.3793	0.3793	0.3974		
Burner Airflow Differential	0.75	7.00	0.70	0.70	0.70		
Exhaust Static	3.20	3.20	3.20	3.20	3.20		
Process Fan Differential	6.50	7.00	7.00	7.00	7.20		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM

Bulk Ammonia

UP A

Conditions Normal	YES		YES		YES	YES	YES
On Line	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Heat Trace #1	42.3		45.9		42.0	41.7	42.6
Heat Trace #2	43.0		43.2		40.8	41.3	40.7
Heat A-1 Source	31.5		31.6		31.5	31.5	31.6
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Source in Stand-By	NO		NO		NO	NO	NO
Exhaust Mag							
Containment Hood Exhaust							

UP B

Conditions Normal	NO		NO		NO	NO	YES
On Line	NO		NO		NO	NO	YES
Fault Alarm	YES		YES		YES	YES	NO
Shutdown Alarm	YES		YES		YES	NO	NO
Heat Trace #1	45.9		45.5		44 5	13.6	43.9
Heat Trace #2	46.3		46.1		43.1	13.3	43.7
Heat A-1 Source	22.6		20.7		19.1	60.0	31.5

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008		7/15/2008		7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6:43 AM		7:00 AM		6:02 AM	7:00 AM	7:38 AM	6 31 AM	7:57 AM
Peer to Peer Status Normal	YES				YES		YES	YES	YES
Source in Stand-By	NO				NO		NO	NO	YES
Exhaust Mag									
Contaiment Hood Exhaust									

ISO Heater A

Conditions Normal	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Heat Zone #1	31.9		31.9		31.9	31.9	32.0
Heat Zone #2	32.0		32.0		32.0	32.0	32.0
Heat Zone #3	32.0		32.0		32.0	31.9	32.0
Heat Zone #4	32.0		32.0		32.0	32 0	32.0
Heat Trace #1	43.9		45.6		44.2	46.1	42.3
Heat Trace #2	45 5		46.1		44.3	46.4	44.8

ISO Heater B

Conditions Normal	YES		YES		YES	NO	YES
Fault Alarm	NO		NO		NO	YES	NO
Heat Zone #1	22.9		21.0		19.4	6 00	32.0
Heat Zone #2	22.7		20.8		19.2	6.00	32.0
Heat Zone #3	22.9		21.0		19.4	6.00	32.0
Heat Zone #4	22.6		20.7		19.2	6.00	32.0
Heat Trace #1	46.9		44.3		44.1	13.8	43 7

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6 43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM
Heat Trace #2	46.3		46.7		46.1	13.4	46.3

BSGS

Process A On-Line	YES		YES		YES	YES	YES
Process B On- Line	NO		NO		NO	NO	NO
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Conditions at Panel Normal	YES		YES		YES	YES	YES
A-1 Source	146.0		145.0		140.0	144.0	142.0
PT-1A	143.0		144.0		135.0	142.0	139.0
PT-2A	83 2		84.1		80.6	82.8	81.6
B-1 Source	110 0		99.2		95.2	-13.2	155.0
PT-1B	138 0		134.0		78.1	78.2	79.3
PT-2B	83.0		83.9		80.0	82.5	81.1
Heater	59.0		59.3		58.9	59.2	59.2
Process Out	83.0		83.7		79.9	82 3	80.9
TE-7A	42.4		39.1		41.9	40 9	42.3
TE-7B	36.8		34.9		33.5	32.7	33.2
Exhaust Mag							

VOC

Oxidizer Temperture	816 0	808.0	823.0	819.0	819.0		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6.31 AM	7:57 AM
Fire Eye Vol;tage	5.00	5.00	5.00	5.00	5.00		
Concentrate Outlet Temp	128.0	126.0	132.0	134.0	124.0		
Oxidizer Fan Static	0.3974	0.3974	0.3793	0.3793	0.3974		
Burner Airflow Differential	0.75	7.00	0 70	0.70	0.70		
Exhaust Static	3.20	3.20	3.20	3.20	3.20		
Process Fan Differential	6.50	7.00	7.00	7.00	7.20		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
6:43 AM	7.00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM

Bulk Ammonia

UP A

Conditions Normal	YES		YES		YES	YES	YES
On Line	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Heat Trace #1	42.3		45.9		42.0	41.7	42.6
Heat Trace #2	43.0		43.2		40.8	41.3	40.7
Heat A-1 Source	31.5		31.6		31.5	31.5	31.6
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Source in Stand-By	NO		NO		NO	NO	NO
Exhaust Mag							
Containment Hood Exhaust							

UP B

Conditions Normal	NO		NO		NO	NO	YES
On Line	NO		NO		NO	NO	YES
Fault Alarm	YES		YES		YES	YES	NO
Shutdown Alarm	YES		YES		YES	NO	NO
Heat Trace #1	45.9		45.5		44.5	13.6	43.9
Heat Trace #2	46.3		46.1		43.1	13 3	43 7
Heat A-1 Source	22.6		20.7		19.1	60.0	31.5

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6:31 AM	7:57 AM
Peer to Peer Status Normal	YES		YES		YES	YES	YES
Source in Stand-By	NO		NO		NO	NO	YES
Exhaust Mag							
Contaiment Hood Exhaust							

ISO Heater A

Conditions Normal	YES		YES		YES	YES	YES
Fault Alarm	NO		NO		NO	NO	NO
Heat Zone #1	31.9		31.9		31.9	31.9	32.0
Heat Zone #2	32.0		32.0		32.0	32.0	32.0
Heat Zone #3	32 0		32.0		32.0	31.9	32.0
Heat Zone #4	32.0		32.0		32.0	32.0	32.0
Heat Trace #1	43.9		45.6		44 2	46.1	42.3
Heat Trace #2	45.5		46.1		44.3	46.4	44.8

ISO Heater B

Conditions Normal	YES		YES		YES	NO	YES
Fault Alarm	NO		NO		NO	YES	NO
Heat Zone #1	22.9		21.0		19.4	6.00	32.0
Heat Zone #2	22.7		20.8		19 2	6.00	32.0
Heat Zone #3	22.9		21.0		19.4	6.00	32.0
Heat Zone #4	22.6		20.7		19.2	6.00	32.0
Heat Trace #1	46.9		44.3		44.1	13.8	43.7

Readings and Calculated Data
Daily Report 7/1/2008 - 8/6/2008
Data for: LSS; Configuration: Bulk Ammonia
Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008 6:43 AM	7/15/2008 7:00 AM	7/16/2008 6:02 AM	7/17/2008 7:00 AM	7/18/2008 7:38 AM	7/21/2008 6:31 AM	7/22/2008 7:57 AM
Heat Trace #2	46.3		46.7		46.1	13.4	46.3

BSGS

Process A On-Line	YES		YES		YES	YES	YES
Process B On- Line	NO		NO		NO	NO	NO
Fault Alarm	NO		NO		NO	NO	NO
Shutdown Alarm	NO		NO		NO	NO	NO
Peer to Peer Satus Normal	YES		YES		YES	YES	YES
Conditions at Panel Normal	YES		YES		YES	YES	YES
A-1 Source	146.0		145.0		140.0	144.0	142.0
PT-1A	143.0		144.0		135.0	142.0	139.0
PT-2A	83.2		84.1		80.6	82.8	81.6
B-1 Source	110.0		99.2		95.2	-13 2	155.0
PT-1B	138.0		134.0		78.1	78.2	79.3
PT-2B	83.0		83.9		80.0	82.5	81.1
Heater	59 0		59.3		58.9	59.2	59.2
Process Out	83.0		83.7		79.9	82.3	80.9
TE-7A	42.4		39.1		41.9	40.9	42.3
TE-7B	36.8		34 9		33.5	32.7	33.2
Exhaust Mag							

VOC

Oxidizer Temperture	816.0	808.0	823.0	819 0	819.0		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/14/2008	7/15/2008	7/16/2008	7/17/2008	7/18/2008	7/21/2008	7/22/2008
	6:43 AM	7:00 AM	6:02 AM	7:00 AM	7:38 AM	6 31 AM	7:57 AM
Fire Eye Voltage	5 00	5.00	5.00	5.00	5 00		
Concentrate Outlet Temp	128.0	126.0	132.0	134.0	124.0		
Oxidizer Fan Static	0.3974	0.3974	0.3793	0.3793	0.3974		
Burner Airflow Differential	0.75	7.00	0.70	0.70	0.70		
Exhaust Static	3.20	3.20	3.20	3.20	3.20		
Process Fan Differential	6.50	7.00	7.00	7.00	7.20		

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

7/23/2008	7/25/2008	7/28/2008	7/30/2008	8/1/2008	8/4/2008	8/6/2008
8:32 AM	6:43 AM	7:38 AM	6:30 AM	1:18 PM	7.21 AM	12:26 PM

Bulk Ammonia

UP A

Conditions Normal	YES	YES	YES	YES	YES	YES	YES
On Line	YES	YES	YES	YES	YES	YES	YES
Fault Alarm	NO	NO	NO	NO	NO	NO	NO
Shutdown Alarm	NO	NO	NO	NO	NO	NO	NO
Heat Trace #1	41.9	44.2	46.0	45.5	43.6	43.1	42.1
Heat Trace #2	45.0	41.1	45.3	40.7	44.6	45.1	45.4
Heat A-1 Source	31.5	31.6	31.5	31.6	31.6	31.6	31.5
Peer to Peer Satus Normal	YES	YES	YES	YES	YES	YES	YES
Source in Stand-By	NO	NO	NO	NO	NO	NO	NO
Exhaust Mag							
Containment Hood Exhaust							

UP B

Conditions Normal	YES	YES	YES	YES	YES	YES	YES
On Line	YES	YES	YES	YES	YES	YES	YES
Fault Alarm	NO	NO	NO	NO	NO	NO	NO
Shutdown Alarm	NO	NO	NO	NO	NO	NO	NO
Heat Trace #1	45.4	45 5	46.1	44.5	42.5	45.6	46.1
Heat Trace #2	45.4	44.1	42.4	43.1	46.3	44.2	46.3
Heat A-1 Source	31.6	31.5	31.6	31.6	31.6	31.5	31.6

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/23/2008	7/25/2008	7/28/2008	7/30/2008	8/1/2008	8/4/2008	8/6/2008
	8:32 AM	6:43 AM	7:38 AM	6:30 AM	1:18 PM	7:21 AM	12:26 PM
Peer to Peer Status Normal	YES	YES	YES	YES	YES	YES	YES
Source in Stand-By	YES	YES	YES	YES	YES	YES	YES
Exhaust Mag							
Contaiment Hood Exhaust							

ISO Heater A

Conditions Normal	YES	YES	YES	YES	YES	YES	YES
Fault Alarm	NO	NO	NO	NO	NO	NO	NO
Heat Zone #1	32.0	31.9	31.9	31.9	31 9	31.9	31.9
Heat Zone #2	32.0	32.0	32.0	32.0	32.0	32.0	32.1
Heat Zone #3	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Heat Zone #4	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Heat Trace #1	43.2	45.4	47.3	44.7	44.0	42 7	43.7
Heat Trace #2	46.2	44.7	45.2	40.5	44.9	47.0	46.8

ISO Heater B

Conditions Normal	YES	YES	YES	YES	YES	YES	YES
Fault Alarm	NO	NO	NO	NO	NO	NO	NO
Heat Zone #1	32 0	32.0	32.0	32.0	32.0	32.0	32 0
Heat Zone #2	32.0	32.0	32.0	32 0	32.0	32.0	32.0
Heat Zone #3	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Heat Zone #4	32.0	32.0	31.9	32.0	32.0	32.0	32.0
Heat Trace #1	45.5	45.5	46.4	44.4	43.2	45.6	46.2

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/23/2008	7/25/2008	7/28/2008	7/30/2008	8/1/2008	8/4/2008	8/6/2008
	8:32 AM	6:43 AM	7:38 AM	6:30 AM	1:18 PM	7:21 AM	12:26 PM
Heat Trace #2	45 3	46.3	44.9	45.6	46.2	43.9	47 1

BSGS

Process A On-Line	YES	YES	YES	YES	YES	YES	YES
Process B On- Line	YES	NO	NO	NO	NO	NO	NO
Fault Alarm	NO	NO	NO	NO	NO	NO	NO
Shutdown Alarm	NO	NO	NO	NO	NO	NO	NO
Peer to Peer Satus Normal	YES	YES	YES	YES	YES	YES	YES
Conditions at Panel Normal	YES	YES	YES	YES	YES	YES	YES
A-1 Source	144.0	142 0	141.0	142.0	141 0	144.0	145.0
PT-1A	141.0	139.0	139.0	136.0	136.0	142.0	142.0
PT-2A	83.6	81.3	83.2	77.5	82.0	84.0	83.0
B-1 Source	161.0	162 0	162.0	162.0	163 0	162.0	162.0
PT-1B	78.8	78.1	78.2	76.1	79 6	77 2	79.9
PT-2B	83 3	80.9	83.0	76.7	81.2	84.0	82.7
Heater	59.1	59.6	59.2	59.2	59.8	59 3	59.9
Process Out	83.4	80.8	82.7	76.5	81.3	83.8	82.7
TE-7A	42.1	42.4	42.4	42.4	42.4	38 5	42.3
TE-7B	36.3	33 3	34.8	32.8	40.0	33.4	38.0
Exhaust Mag							

VOC

Oxidizer Temperture	820.0	823.0	816.0	818.0	822.0	820.0	823.0

Readings and Calculated Data

Daily Report 7/1/2008 - 8/6/2008

Data for: LSS; Configuration: Bulk Ammonia

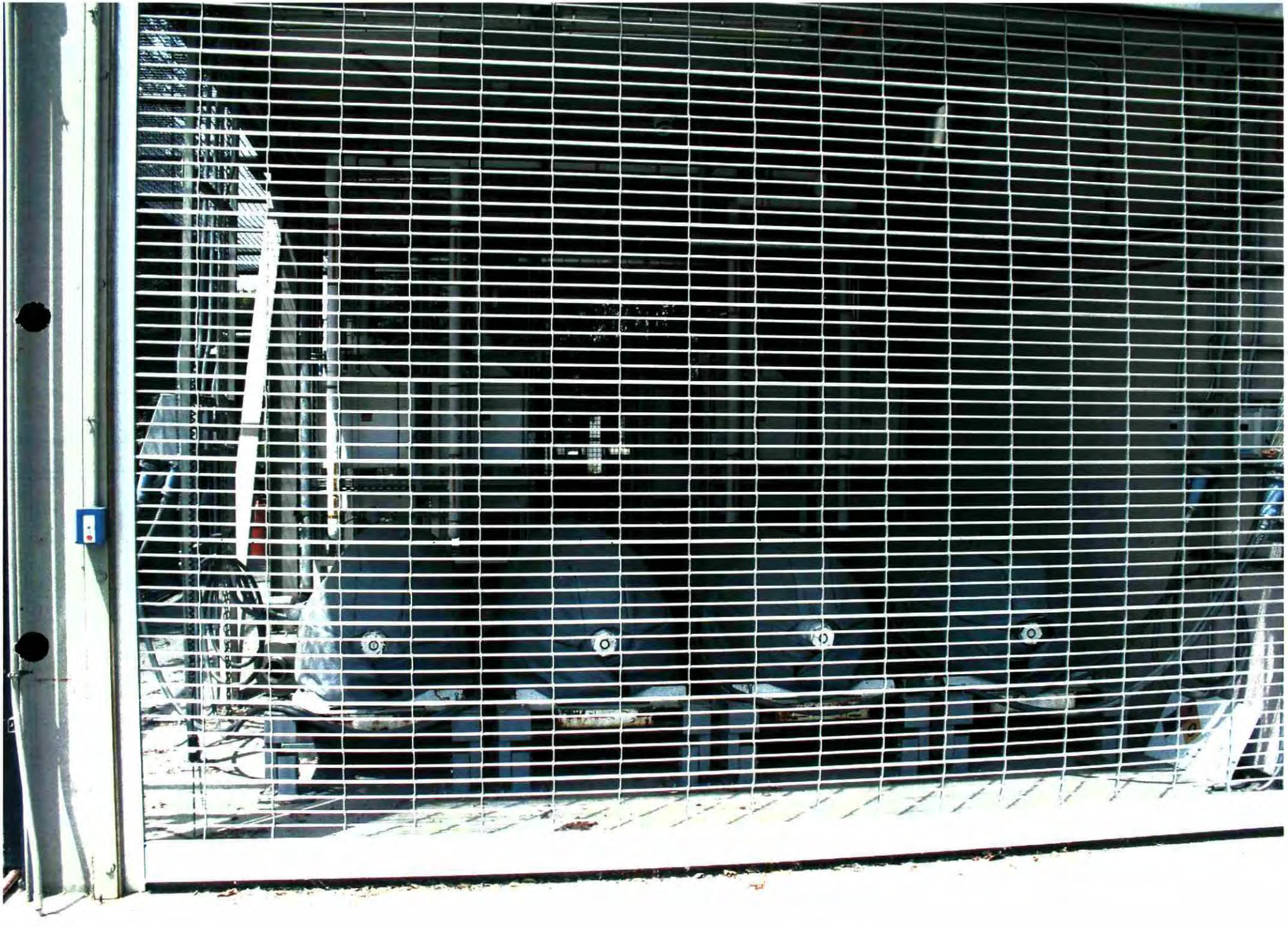
Data File: N:\EHS\DI-WASTE\WESTWIND\LSS.MDB

	7/23/2008 8:32 AM	7/25/2008 6:43 AM	7/28/2008 7:38 AM	7/30/2008 6:30 AM	8/1/2008 1:18 PM	8/4/2008 7:21 AM	8/6/2008 12:26 PM
Fire Eye Vol,tage	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Concentrate Outlet Temp	120.0	124.0	126.0	122.0	130 0	128.0	133.0
Oxidizer Fan Static	0 3902	10.6	10.6	10 6	10.5	10.5	10.7
Burner Airflow Differential	0.70	0.68	0.68	2.00	0.67	2.00	1.77
Exhaust Static	3.10	3.10	3.10	3.10	3.15	3.10	3.10
Process Fan Differential	7.40	7.40	7.40	7.40	7.50	7.40	7.40

Attachment G

Photos of Y-Cylinder Storage Area

3
1
0



County of Santa Clara
Department of Environmental Health
Hazardous Matcrials Compliance Division (HMCD)
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479 www.EHinfo.org

CO/PR/TA ID	PE	SC	Time
PR0372265	239	001	360

OFFICIAL NOTICE OF INSPECTION

Facility Name: Philips Lumileds Lighting Co			Inspection Date: 6/17/2008
Site Address: 370 West Trimble Rd, San Jose			Employee No.: 10090
Contact Person(s): Mitch Cole			☐ Samples Taken ☐ Photographs Taken
Inspection Type:	☐ Hazardous Materials Storage	☐ Hazardous Waste Generator	Hazardous Waste Generator Type
	☐ HazMat Business Plan	☐ HazWaste Tiered Permit	☐ < 1,000 Kg./mo. ☐ ≥ 1,000 Kg./mo.
	☐ Underground Storage Tank	☒ Cal-ARP	☐ CESQG ☐ Satellite Only
	☐ A/G Storage Tank (SPCC Plan)	☐ Toxic Gas	☐ Silver Only ☐ N/A

VIOLATIONS: Codes noted below in the "Violation Codes" column represent specific violations of State law and/or local Ordinance. These codes are defined in the attached Violation Codes document(s). Time granted for correction of violations does not preclude any enforcement action hy this Department or other agencies.

This facility may be subject to reinspection at any time. Consent to Inspect Given By: X

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2500	Update California Accidental Release Prevention Program Registration Form for the regulated chemical chlorine that no longer meets the threshold Quanitity that is stored or used at the facility. Submit registration form to HMCD within 30 days.	
2508	Remove refeperence of SIGRF (Compressed gas cylinder coffin) from the emergency response plan because this peice of equipment is no longer at the facility. Update this portion of the Emergency Response Program Component.	

All violations must be corrected within 30 days of the inspection date unless noted otherwise, above. Section 25404.1.2(c)(1) of California Health and Safety Code (HSC) requires that you write a brief description of the corrective actions you have taken to bring this facility into compliance and submit it to HMCD within 5 days of achieving compliance, or within 35 days of the inspection date, whichever comes first. ***(Note: Detailed instructions on actions you must take are printed on the reverse side of this page.)***

Received by: X 7/2/08 Inspected by: Ruben D. Williams Entered by: _____

Certification: I certify under penalty of perjury that this facility has complied with directives specified in this Notice to Comply.

Signature of Owner/Operator: _____ Title: _____ Date: ___/___/___

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

2044 RLV 8/06

THE OFFICIAL NOTICE OF INSPECTION EXPLAINED

This Official Notice of Inspection (NOI) describes the findings made during the inspection, including all violations and any actions that must be taken by the facility to correct the violations. All violations must be corrected within 30 days of the inspection date unless noted otherwise by the inspector.

Within five working days of achieving compliance, or within 35 days of the inspection, whichever comes first, you must submit a written response which describes the corrective actions you have taken or — for those violations which are impossible to correct within 30 days — propose to take in order to bring your facility into compliance. Where proposed corrective actions are described, you must specify a date by which you expect each violation to be corrected. After you have addressed each violation, complete the certification box located at the bottom of page 1 of the NOI. **Your description of corrective actions taken, along with your signed certification of the NOI and any required supporting documents, will serve as your written response to this Notice to Comply.** Your response must be mailed to Santa Clara County Hazardous Materials Compliance Division (HMCD) at 1555 Berger Drive, Suite 300, San Jose, CA 95112-2716. The effective date of the certification that any violation has been corrected is the date that it is postmarked.

What Does the Information in Each Column Mean?

Violation Code: Codes listed in this column identify specific violations of laws, regulations, or codes which were observed during this inspection. Definitions of Violation Codes are listed on the attached Violation Codes document(s).

Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions: Information noted in this column describes the circumstances of any violations noted in the first column and describes how the violations may be corrected. Additionally, the inspector may use this space to note any additional observations resulting from the inspection

Corrective Actions Taken: This column on the NOI has been provided so that you can note how you have corrected or propose to correct each violation. Where proposed corrective actions are described, you must specify a date by which you expect each violation to be corrected. If more space is needed, attach additional pages.

Why Were Two Copies of the Notice of Inspection Given to Me?

You have been given two copies so you will have a copy for your own records after you submit your written response to HMCD. **Do not separate the copies until you have described all of your corrective actions and signed the certification box on page 1. The yellow copy of each page must be returned to HMCD. The pink copy is for your records.**

What if I Disagree With a Violation Noted on the Notice of Inspection?

If you disagree with any violation listed in this NOI, you must submit a written Notice of Disagreement to HMCD within 30 days of the inspection date. Address such notices to the attention of the inspector who cited the violation. In your Notice of Disagreement, you must explain in detail why you believe the violation does not exist. If there is sufficient space, you may use the "Corrective Actions Taken" column of this NOI to dispute violations.

What About Photographs or Samples Taken During the Inspection?

If samples were taken, split samples will be given to you upon request. Since this NOI was prepared and given to you at the end of the inspection, any photographs and sampling or laboratory results associated with the inspection were not yet available. A copy of any photographs and/or analytical results from sampling taken during this inspection will be provided to you upon written request. Other pertinent information derived from the inspection is attached to this NOI. Photographs and sample results may be withheld in the event of a criminal investigation or other ongoing investigation.

*** ***

- **Per HSC §§25187.8(b) and 25404.1.2(c), failure to sign the certification on this Notice to Comply and return it to HMCD is a violation of State law.**
- **Per HSC §25404.1.2(c)(2), a false statement that compliance has been achieved is a misdemeanor.**
- **Per HSC §25191(b), a false statement that hazardous waste compliance has been achieved is a violation of State law punishable by a fine of not less than $2,000 or more than $25,000 and/or imprisonment in the county jail for up to one year.**
- **Per HSC §§25299(a)(8) and (b)(7), a false statement that underground storage tank compliance has been achieved is a violation of State law punishable by a fine of not less than $500 or more than $5,000.**
- **Per HSC §§25187.8(i), HMCD has the right to require the submittal of reasonable and necessary documentation in support of any claim of compliance made by your facility.**

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION

(Continuation Page)

Facility Name: Philips Lumileds Lighting Company, 370 W. Trimble Rd, San Jose **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2508 (continued)	Remove Romic and ~~Clean Harbors~~ RMW Emergency Response Contractors from Emergency Response Program as they are no longer used by the facility. Update Emergency Spill response contractor information	
	Include in the emergency response program component information on emergency health care and which health care facility (hospital) would employees be sent to. Add address and phone number of hospital to emergency response plan	
	Have MERT (Medical Emergency Response Team) Team review first aid information and health affects of Ammonia and Chlorine Gas exposure. Also make SOP to emergency response plan on how employees are to respond to Ammonia or Chlorine gas releases.	
	Write a written procedure for notifying the public (Affected receptors) in the event of a Ammonia or Chlorine Gas release and add it to the Emergency Response Plan Component.	

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION

(Continuation Page)

Facility Name: Philips Lumiled Lighting **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2508 (continued)	Label Liquid Ammonium Hydroxide Storage Area and come up with a procedure to stay below the CAL ARP threshold of liquid Ammonium Hydroxide (Threshold value is 500 pounds) or submit new registration for Liquid Ammonium Hydroxide.	
2524	Document Daily Inspection of Bulk Ammonia Gas Storage Area. Currently being done dgily but not documented. Provided facility with Unidocs inspection form.	
2510	A second Anhydrous Ammonia Storage area was observed with the quantities that triggered the CAL ARP Thershold Quantities. Either lower Storage Quantities or add the Storage area to the Risk Management Plan and manage accordingly.	
	Recommendation: Call local fire department and conduct a familiarization tour of your facility where the CAL ARP chemicals are stored or in use.	

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division

1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400 Fax (408) 280-6479
www.EHinfo.org

OFFICIAL NOTICE OF INSPECTION

(Continuation Page)

Facility Name: Philips Lumileds Lighting Company: 370 W. Trimble Rd, San Jose **Inspection Date:** 6/17/2008

Violation Codes	Summary of Violations, Notice to Comply, Observations, and Required Corrective Actions	Corrective Actions Taken
2527	Note; Three Year Compliance Audit is due in July 2008. Conduct Compliance Audit and document a report of the findings of the Audit and document a appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected.	

Received by: [signature] 7/2/08 Inspected by: Ruben D. Williams

FACILITY SENDS YELLOW COPY TO AGENCY, KEEPS PINK COPY.

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 525

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: May 2006

Name of Agency Which Conducted Safety Inspection: Bay Area Air Quality Management District

Name of Contractor Who Helped or Will Help Prepare RMP: EORM, Inc.

Contractor Mailing Address: 283 E. Java Drive, Sunnyvale, CA 94089 Phone No.: (408) 822-8120

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	4000 (y cylinders)	3674	2
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3674	3
Chlorine	7782-50-5	270 (3 cylinders)	3674	2

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of tbe State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: [signature] Date Executed: 7/6/2006

County of Santa Clara

Department of Environmental Health

Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

FILE

July 7, 2006

Mr. Mitch Cole
Lumileds Lighting, LLC
370 West Trimble Road
San Jose, CA 95131

RE: Risk Management Plan for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose

Dear Mr. Cole:

The County of Santa Clara Hazardous Materials Compliance Division has completed the review of your Risk Management Plan (RMP) for Anhydrous Ammonia and Chlorine Gas. Associated documents that were requested were also reviewed. After review by staff, your RMP was found to be complete.

The process to initiate a formal public review has started and you will be informed of the date the public review notice is placed in the newspaper.

As part of the evaluation review, public comments received within thirty-six months of your RMP Submittal will be reviewed and taken into consideration by this Department, as required by State law. You will be contacted once an inspection or an onsite document review has been scheduled.

A copy of your completed Risk Management Plan will be made available to the San Jose Fire Department, which is the local emergency response agency for your area.

If you have any questions, please contact Ruben Williams at (408) 918-1985.

Sincerely,

Nicole Pullman

Nicole Pullman, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials Compliance Division

cc: Mr. Varun Gopalakrishma, EORM, 283 East Java Dr., Sunnyvale, CA, 94089

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Peter Kutras, Jr

County of Santa Clara

Department of Environmental Health

Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 280-6479
www.EHinfo.org

FILE

July 7, 2006

Mr. Michael Murtiff
Sr. Haz Mat Inspector
Bureau of Fire Prevention
Hazardous Materials Division
170 West San Carlos Street
San Jose, CA 95113-2005

RE: Risk Management Plan for Lumileds Lighting, LLC, LLC located at 370 West Trimble Road in San Jose

Dear Michael:

This letter is to inform your department that the above noted facility submitted a Risk Management Plan (RMP) to the County of Santa Clara Department of Environmental Health for review of regulated substances under the California Accidental Risk Prevention Program (CalARP). The chemical above federal threshold quantity is Anhydrous Ammonia and Chlorine Gas is above the state threshold quantity. The RMP review by staff was completed July 6, 2006. The RMP was found to be complete.

A copy of the completed RMP is available to your Department upon request. Please contact Ruben Williams at (408) 918-1985 to request a copy of the RMP.

Sincerely,

Nicole Pullman

Nicole Pullman, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials Compliance Division

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Peter Kutras, Jr.

"Varun Gopalakrishna"
<varun@eorm.com>
06/22/2006 09:36 AM

To: <ruben.williams@deh.sccgov.org>
cc:
Subject: Lumileds Fed RMP Submittal Copy

Hi Ruben,
Please find attached the print copy of the Lumileds Bulk Ammonia submittal to the Federal EPA.
Also attached is a scanned version of the certification letter.
This went out by mail on 6/13/06.
Please let me know if you have any questions regarding these documents.
Sincerely,
Varun

Varun Gopalakrishna
Principal Consultant
Environmental & Occupational Risk Management
Phone: (408) 822-8120
Cell: (408) 594-4078

Lumileds_RMP_CertificationLetter.pdf RMP_Report_Lumileds.pdf

Certification

RMP Certification

I certify that, to the best of my knowledge, information, and belief formed after reasonable inquiry, the information submitted in this RMP is true, accurate, and complete for the Lumileds Lighting, LLC **bulk ammonia system** to be installed and operated at 370 W. Trimble Road facility in San Jose, California.

6/12/06

Mitch Cole
Environmental Specialist
Lumileds Lighting LLC, San Jose, CA

Date

RMP Report for Lumileds Lighting, LLC

Section 1. Registration Information

1.1 Source Identification: **Facility ID:** 1 There were no reportable accidents in the last 5 years.

a. Facility Name: Lumileds Lighting, LLC

b. Parent Company #1 Name: Phillips Lighting

c. Parent Company #2 Name:

1.2 EPA Facility Identifier:

1.3 Other EPA Systems Facility ID:

1.4 Dun and Bradstreet Numbers (DUNS):

a. Facility DUNS: 124998217

b. Parent Company #1 DUNS: 411773609

c. Parent Company #2 DUNS:

1.5 Facility Location Address:

a. Street 1: 370 W. Trimble Road

b. Street 2:

c. City: San Jose **d. State:** CA **e. Zip:** 95131 -

f. County: Santa Clara

Facility Latitude and Longitude:

g. Lat. (dd.dddddd): 37.382778 **h. Long. (ddd.dddddd):** -121.935556

i. Lat/Long Method: AO Address Matching - Other

j. Lat/Long Description: UN Unknown

k. Horizontal accuracy measure (m): 25

l. Horizontal Reference Datum Code: 002 North American Datum of 1983

m. Source Map Scale Number:

1.6 Owner or Operator:

a. Name: Lumileds Lighting, LLC

b. Phone: (408) 435-6111

Mailing address:

c. Street 1: 370 W. Trimble Road **d. Street 2:**

e. City: San Jose **f. State:** CA **g. Zip:** 95131 -

1.7 Name and title of person or position responsible for part 68 (RMP) implementation:

a. Name of person: Mitch Cole

b. Title of person or position: Environmental Specialist

c. Email address: mitchell.cole@agilent.com

1.8 Emergency contact:

a. Name: Phil Lopez

b. Title: ERT Program Manager

c. Phone: (408) 553-3802

d. 24-hour phone: (408) 553-3802

e. Ext. or PIN:

f. Email address: phil.lopez@agilent.com

1.9 Other points of contact:

a. Facility or Parent Company E-Mail Address:

b. Facility Public Contact Phone: (408) 435-6111

c. Facility or Parent Company WWW Homepage Address: http://www.lumileds.com/

1.10 LEPC: Region II LEPC

1.11 Number of full time employees on site: 505

1.12 Covered by:

a. OSHA PSM: Yes

b. EPCRA 302: Yes

c. CAA Title V: No **Air operating permit ID:**

1.13 OSHA Star or Merit Ranking: No

1.14 Last Safety Inspection (by an External Agency) Date: 04/01/2005

1.15 Last Safety Inspection Performed by an External Agency: State environmental agency

1.16 Will this RMP involve predictive filing?: Yes

1.18 RMP Preparer Information:

a. Name: EORM

b. Telephone: (408) 822-8100

c. Street1: 283 East Java Drive

d. Street2:

e. City: Sunnyvale

f. State: CA **g. ZIP:** 94089 - 1022

Section 1.17 Process(es)

a. Process ID: 4 **Program Level** 3 ISO Ammonia System

b. NAICS Code

334419 Other Electronic Component Manufacturing

c. Process Chemicals

c.1 Process Chemical (ID / Name)	c.2 CAS Nr.	c.3 Qty (lbs.)
5 Ammonia (anhydrous)	7664-41-7	105,600

Section 2. Toxics: Worst Case

Toxics: Worst Case ID 1

2.1 a. Chemical Name: Ammonia (anhydrous)

b. Percent Weight of Chemical (if in a mixture):

2.2 Physical State: Gas Liquified by Pressure

2.3 Model used: EPA/CEPPO Risk Management Program Guidance for Offsite Consequence Analysis (4/1999) and RMP Comp Version 1.07 Version

2.4 Scenario: Liquid spill & Vaporization

2.5 Quantity released: 26,400 **lbs**

2.6 Release rate: 2,640.0 **lbs/min**

2.7 Release duration: 10.0 **mins**

2.8 Wind speed: 1.5 **m/sec**

2.9 Atmospheric Stability Class: F

2.10 Topography: Urban

2.11 Distance to Endpoint: 1.90 **mi**

2.12 Estimated Residential population within distance to endpoint: 15,446

2.13 Public receptors within distance to endpoint:

a. Schools: Yes **d. Prisons/Correction facilities:** No

b. Residences: Yes **e. Recreation areas:** No

c. Hospitals: Yes **f. Major commercial, office or, industrial areas:** No

g. Other (Specify): airport and churches

2.14 Environmental receptors within distance to endpoint:

a. National or state parks, forests, or monuments: No

b. Officially designated wildlife sanctuaries, preserves, or refuges: No

c. Federal wilderness areas: No

d. Other (Specify): Guadalupe River and Coyote Creek

2.15 Passive mitigation considered:

a. Dikes: No **d. Drains:** No

b. Enclosures: No **e. Sumps:** No

c. Berms: No **f. Other (Specify):**

2.16 Graphic file name:

Section 3. Toxics: Alternative Release

Toxics: Alternative Release ID: 1

3.1 a. Chemical Name: Ammonia (anhydrous)

b. Percent Weight of Chemical (If in a mixture):

3.2 Physical State: Gas Liquified by Pressure

3.3 Model: PHA (1/2005) & RMP Comp Version 1.07 program

3.4 Scenario: Vapor release

3.5 Quantity released: 26,400 **lbs**

3.6 Release rate: 8.0 **lbs/min**

3.7 Release duration: 3291 0 **mins**

3.8 Wind speed: 3.0 **m/sec**

3.9 Atmospheric Stability Class: D

3.10 Topography: Urban

3.11 Distance to Endpoint: 0.10 **mi**

3.12 Estimated Residential population within distance to endpoint: 0

3.13 Public receptors within distance to endpoint:

a. Schools: No **d. Prisons/Correction facilities:** No

b. Residences: No **e. Recreation areas:** No

c. Hospitals: No **f. Major commercial, office, or industrial areas:** No

g. Other (Specify):

3.14 Environmental receptors within distance to endpoint:

a. National or state parks, forests, or monuments: No

b. Officially designated wildlife sanctuaries, preserves, or refuges: No

c. Federal wilderness areas: No

d. Other (Specify):

3.15 Passive mitigation considered:

a. Dikes:	No	**d. Drains:**	No
b. Enclosures:	No	**e. Sumps:**	No
c. Berms:	No	**f. Other (Specify):**	

3.16 Active mitigation considered:

a. Sprinkler systems:	No	**f. Flares:**	No
b. Deluge system:	No	**g. Scrubbers:**	No
c. Water curtain:	No	**h. Emergency shutdown systems:**	No
d. Neutralization:	No	**i. Other (Specify):**	
e. Excess flow valve:	No		

3.17 Graphic file name:

Section 4. Flammables: Worst Case --- No Data To Report

Section 5. Flammables: Alternative Release --- No Data To Report

Section 6. Accident History --- No Data To Report

Section 7. Prevention Program 3

Process ID: 4 ISO Ammonia System

Prevention Program ID: 1

Prevention Program Description: Applies to future bulk (ISO) ammonia system

7.1 NAICS Code 334419

7.2 Chemicals

Chemical Name
Ammonia (anhydrous)

7.3 Date on which the safety information was last reviewed or revised: 01/13/2005

7.4 Process Hazard Analysis (PHA):

a. Date of last PHA or PHA update: 01/13/2005

b. The technique used:

What If:	Yes	**Failure Mode and Effects Analysis:**	No
Checklist:	No	**Fault Tree Analysis:**	No
What If/Checklist:	No	**Other (Specify):**	

HAZOP: Yes

c. Expected or actual date of completion of all changes from last PHA or PHA update: 06/01/2007

d. Major hazards identified:

Toxic release:	Yes	**Contamination:**	No
Fire:	Yes	**Equipment failure:**	Yes
Explosion:	No	**Loss of cooling, heating, electricity, instrument air:**	Yes
Runaway reaction:	No	**Earthquake:**	Yes
Polymerization:	No	**Floods (flood plain):**	Yes
Overpressurization:	Yes	**Tornado:**	No
Corrosion:	No	**Hurricanes:**	No
Overfilling:	No	**Other (Specify):**	human error

e. Process controls in use:

Vents:	Yes	**Emergency air supply:**	No
Relief valves:	Yes	**Emergency power:**	Yes
Check valves:	Yes	**Backup pump:**	No
Scrubbers:	Yes	**Grounding equipment:**	Yes
Flares:	No	**Inhibitor addition:**	No
Manual shutoffs:	Yes	**Rupture disks:**	No
Automatic shutoffs:	Yes	**Excess flow device:**	No
Interlocks:	Yes	**Quench system:**	No
Alarms and procedures:	Yes	**Purge system:**	No
Keyed bypass:	No	**None:**	No
		Other (Specify):	

f. Mitigation systems in use:

Sprinkler system:	Yes	**Water curtain:**	No
Dikes:	No	**Enclosure:**	No
Fire walls:	No	**Neutralization:**	No
Blast walls:	No	**None:**	No
Deluge system:	No	**Other (Specify):**	Enclosure around bulk ammonia system area

g. Monitoring/detection systems in use:

Process area detectors:	Yes	**None:**	No
Perimeter monitors:	No	**Other (Specify):**	alarms

h. Changes since last PHA or PHA update:

Reduction in chemical inventory:	No	**Installation of perimeter monitoring systems:**	No
Increase in chemical inventory:	No	**Installation of mitigation systems:**	No
Change process parameters:	No	**None recommended:**	No
Installation of process controls:	No	**None:**	Yes
Installation of process detection systems:	No	**Other (Specify):**	

7.5 Date of most recent review or revision of operating procedures: 06/01/2007

7.6 Training:

a. The date of the most recent review or revision of training programs: 06/01/2007

b. The type of training provided:

Classroom: Yes **On the job:** Yes **Other (Specify):**

c. The type of competency testing used:

Written test:	Yes	**Observation:**	Yes
Oral test:	No	**Other (Specify):**	
Demonstration:	Yes		

7.7 Maintenance:

a. The date of the most recent review or revision of maintenance procedures: 06/01/2007

b. The date of the most recent equipment inspection or test: 06/01/2007

c. Equipment most recently inspected or tested : 06 2007

7.8 Management of change:

a. The date of the most recent change that triggered management of change procedures: 06/01/2007

b. The date of the most recent review or revision of management of change procedures: 06/01/2007

7.9 The date of the most recent pre-startup review: 07/01/2006

7.10 Compliance audits:

a. The date of the most recent compliance audit: 07/01/2006

b. Expected date of completion of all changes resulting from the compliance audit:

7.11 Incident investigation:

a. The date of the most recent incident investigation (if any):

b. Expected or actual date of completion of all changes resulting from the investigation:

7.12 The date of the most recent review or revision of employee participation plans: 02/01/2005

7.13 The date of the most recent review or revision of hot work permit procedures: 02/01/2005

7.14 The date of the most recent review or revision of contractor safety procedures: 02/01/2005

7.15 The date of the most recent evaluation of contractor safety performance:

Section 8. Prevention Program 2 --- No Data To Report

Section 9. Emergency Response

9.1 Written Emergency Response (ER) Plan:

a. Is facility included in written community emergency response plan?	Yes
b. Does facility have its own written emergency response plan?	Yes
9.2 Does facility's ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?	Yes
9.3 Does facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?	Yes
9.4 Does facility's ER plan include information on emergency heath care?	Yes
9.5 Date of most recent review or update of facility's ER plan:	07/01/2004
9.6 Date of most recent ER training for facility's employees:	05/01/2005

9.7 Local agency with which facility's ER plan or response activities are coordinated:

a. Name of agency:	San Jose Fire Department
b. Telephone number:	(408) 227-8950

9.8 Subject to:

a. OSHA Regulations at 29 CFR 1910.38:	Yes
b. OSHA Regulations at 29 CFR 1910.120:	Yes
c. Clean Water Act Regulations at 40 CFR 112:	No
d. RCRA Regulations at 40 CFR 264, 265, and 279.52:	Yes
e. OPA-90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	No
f. State EPCRA Rules/Law:	Yes
g. Other (Specify):	8 CCR 3220, 22 CCR 66265.50-.56

Executive Summary

Lumileds is committed to maintaining a safe work environment. The EHS Department for the Lumileds San Jose site ensures that safe practices are followed in operations involving hazardous materials. This site has well-established emergency procedures and an active Emergency Response Team to ensure rapid and appropriate response to hazardous material emergencies, including response to emergencies related to the regulated substances covered by this RMP. The site has written evacuation, reporting, and response procedures in place to protect Lumileds employees, the public, and the environment in the event of a hazardous material release.

RMP Validation Errors/Warnings --- No Data To Report

PHILIPS

Philips Lumileds Lighting Company

370 W Trimble Road, San Jose, California 95131 USA
July 7, 2006

Mr. Ruben Williams
Hazardous Materials Program
1555 Berger Drive, Suite 300
San Jose, CA 95112

Subject: Cal ARP Chemicals

Dear Mr. Williams:

In your walk through we both noted the volume of listed chemicals being above threshold levels.

Initially, I was planning on submitting a new registration form to include these chemicals. After taking a look at the inventory levels, we discovered that we were maintaining between 20 and 40 days worth of inventory. Considering that the chemical suppliers are within an hour's delivery time, this inventory level is unnecessary.

We are reducing our inventory levels of some of the materials and segregating storage for others.

Ammonia: The quantity of 55# cylinders are maintained in storage quantities below threshold. (9 cylinders max) This isn't much of a challenge because there are just a couple R&D reactors that are still using these bottles. To immediately meet the requirement, seven of the 16 cylinders you saw have moved into the gas storage bay within the service yard. This is identified as Bay 4. As the inventory is bled down, this storage location will be vacated.

Ammonium Hydroxide: The 500 pound threshold equates to 221 gallons of ammonium hydroxide (8.337 x SG:0.9 x 30% solution) Each pallet holds 144 gallons. The second pallet has been relocated to Bay 5 (which was recently emptied) It is a chemical storage bay that has been holding non-hazardous stockroom items.

The arsine quantity is separated into 90 pound units of co-location. Three of the 30 pound cylinders are in the toxic/flammable bay and three are located in the toxic/pyrophoric storage bay. The bays are separated by fire rated partitions. We need to maintain an inventory of 6 cylinders due to the single cylinder per single reactor setup. Several cylinders can empty simultaneously.

Hydrofluoric acid, we are adding fire rated chemical storage cabinets to maintain a co-location quantity of <100 pounds. This equates to 20 gallons per cabinet. We'll have 6 cabinets installed by 8/1/06 (they're on order now) These cabinets are coated steel to

Tel. +1 408 964 2562
Fax: +1 408 964 5358
Mobile: +1 408 592 3222
mitchell.cole@philips.com
www.philipslumileds.com
www.luxeon.com

LUMILEDS
LIGHT FROM SILICON VALLEY

meet fire rating and corrosion resistance. As a single pallet is delivered, it will be segregated into the 6 cabinets with the last 20 gallons remaining outside the cabinets for a total of 7 independent storage locations. When this RMP is revisited in 2008, we will include the release scenarios for HF like we have in the past.

Nitric Acid: We're separating the two pallets into two different storage areas. The threshold of 1000 pounds equates to 204 bottles (7# bottles w/70% nitric) Each pallet contains 108 bottles. One pallet remains in the acid storage bay and one pallet is in the oxidizer bay.

Phosphine: The maximum storage quantity is 16 cylinders based on the 30 pound cylinder. The storage quantity has been reduced to meet that level.

Hydrogen: The two storage tanks have a combined water volume of 4500 gallons. At 100 psig, the total gas volume at STP is 420,000 cubic feet which is equivalent to 2187.5 pounds. This is well below the 10,000 pound threshold.

Administrative controls:
In order to maintain all of these levels, the Materials/Procurement department modified their min-max quantities listed in their ordering procedures. Additionally, signage noting these maximum storage quantities is being designed and ordered as well as including this parameter within the weekly storage area inspection.

The HMIS has been updated and is attached.

The Registration form has been updated and is attached.

If you have any questions please give me a call.

Sincerely,

Mitch Cole
Environmental Engineer

enclosure

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Philips Lumileds Lighting Company

Name of Corporate Parent Company (if applicable): Philips Lighting

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 525

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: May 2006

Name of Agency Which Conducted Safety Inspection: Bay Area Air Quality Management District

Name of Contractor Who Helped or Will Help Prepare RMP: EORM, Inc.

Contractor Mailing Address: 283 E. Java Drive, Sunnyvale, CA 94089 Phone No.: (408) 822-8120

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

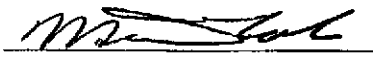
Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	4000 (y cylinders)	3674	2
Ammonia (anhydrous)	7664-41-7	106,000 (bulk tanks)	3674	3
Chlorine	7782-50-5	270 (3 cylinders)	3674	2

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature:  Date Executed: 7/6/2006

Philips Lumileds Lighting Company

Chemicals Subject to CalARP Not on Registration Form

Gases

Gas Cylinder Outside Storage Area	Gas Cabinets	Threshold Quantity **Table 3**	On Hand 6/13/06
Arsine Gas (100%) 30# Cylinders	No	State: 100 lbs	180 lbs
Phosphine Gas (100%) 30# Cylinders	No	State:500 lbs	560 lbs
Anhydrous Ammonia Gas (100%) 55# Cylinders **(Not included in Submittal)**	No	State: 500 lbs	660 lbs

Liquids

Liquid Storage Area		Threshold Quantity **Table 3**	On Hand 6/13/06
Hydrofluoric Acid (49%) 1 Gallon Bottles	N/A	State 100 lbs	1,294 Lbs
Nitric Acid (70%) 7# bottles	N/A	State 1000 lbs	1,587 lbs
Ammonium Hydroxide (41%) 1 Gallon Bottles	N/A	State: 500 lbs	984 lbs

Liquid Hydrogen

		Threshold Quantity **Table 2**	On Hand 6/13/06
Hydrogen Bulk Tanks 2ea 3600 gallons (Side by Side-not manifolded)			
Still awaiting Calculations from Air Products	N/A	10,000 lbs	?

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 298-6261
www.EHinfo.org

FILE

June 6, 2003

Michael Murtiff
San Jose Fire Department
Hazardous Materials Program
4 North Second Street, #1100
San Jose, CA 95113-1305

RE: Risk Management Plan for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose

Dear Michael:

This letter is to inform your department that the above noted facility submitted a Risk Management Plan (RMP) to the County of Santa Clara Department of Environmental Health for review of regulated substances under the California Accidental Risk Prevention Program (CalARP). The chemicals above State threshold quantities are Anhydrous Ammonia and Hydrogen Fluoride. The RMP review by staff was completed June 6, 2003. The RMP was found to be complete.

A copy of the completed RMP is available to your Department upon request. Please contact the undersigned at (408) 918-1984, to request a copy of the RMP.

Sincerely,

Nicole Pullman

Nicole Pullman, R.E.H.S
Lead Hazardous Materials Specialist
Hazardous Materials Compliance Division

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Richard Wittenberg

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408) 918-3400 FAX (408) 298-6261
www.EHinfo.org

FILE

June 9, 2003

Neil Thomas Bostock
Lumileds Lighting, LLC
370 West Trimble Road
San Jose, CA 95131

RE: Risk Management Plan for Lumileds Lighting, LLC located at 370 West Trimble Road in San Jose

Dear Mr. Bostock:

The County of Santa Clara Hazardous Materials Compliance Division has completed the review of your Risk Management Plan (RMP) for Anhydrous Ammonia and Hydrogen Fluoride. Associated documents that were requested were also reviewed.. After review by staff, your RMP was found to be complete.

The process to initiate a formal public review has started and you will be informed of the date the public review notice is placed in the newspaper.

As part of the evaluation review, public comments received within thirty-six months of your RMP submittal will be reviewed and taken into consideration by this Department, as required by State law. You will be contacted once an inspection or an onsite document review has been scheduled.

A copy of your completed Risk Management Plan will be made available to the San Jose Fire Department, which is the local emergency response agency for your area.

If you have any questions, please contact Nicole Pullman at (408) 918-1984.

Sincerely,

Gordon McPhaill, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials Compliance Division

Cc: Julie Newman, Agilent, 350 West Trimble Rd., San Jose

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall, Jr., Liz Kniss
County Executive: Richard Wittenberg

RISK MANAGEMENT PLAN
COMPLIANCE CHECKLIST / RMP REVIEW

FACILITY INFORMATION

EPA ID # 1 PR# 372265

Facility Name Lumileds Lighting

Facility Address 370 W. Trimble Rd City San Jose Zip 95131

Contact Person Gopal Shetty Telephone # (408) 435-4070

Contact Person _____ Telephone # (____) _____

Reviewed By Nicole Pullman **Date** 1/29/03

Inspected By _____ **Date** _____

REGISTRATION

- [x] Business Name, Address, Latitude/Longitude
- [x] Dun & Bradstreet number
- [x] Name, telephone and address of owner/operator
- [x] Name of responsible RMP person
- [x] Name, telephone number, and 24 hour phone number of emergency contact
- [x] Regulated substances: chemical name, maximum quantity in a process, CAS number, program level and NAICS code
- [x] Stationary source USEPA identifier
- [x] Number of full-time employees
- [ ] Whether source is subject to 5189 Title 8 CCR NO
- [ ] Whether source is subject to part 355 Title 40 CFR NO
- [ ] Whether source is subject to operating permit under Title V of CAA NO
- [ ] Date of last safety inspection by a Federal, State or Local government agency and identify agency

EXECUTIVE SUMMARY 2745.3

A brief description of the following elements should be included:

- [X] Accidental release prevention and emergency response policies at the facility.
- [X] Facility and regulated substances handled.
- [X] Worst-case release scenario(s) and alternate release scenario(s), including administrative controls and mitigation measures to limit the distances for each reported scenario.
- [X] General accidental release prevention program and chemical-specific prevention steps.
- [X] Five-year accident history.
- [X] Emergency response program.
- [ ] Planned changes to improve safety.

OFFSITE CONSEQUENCE ANALYSIS 2745.4

Process: a Anhydrous Ammonia **b.** Hydrogen Fluoride **c.** _____

PROGRAM 1 PROCESSES

a.	b.	c.	
[X]	[X]	[ ]	One worst-case release scenario for each Program 1 process.

PROGRAM 2 AND 3 PROCESSES

- [ ] One worst-case release scenario to represent all regulated toxic substances held above the threshold quantity.
- [ ] One worst-case release scenario to represent all regulated flammable substances held above threshold quantity.
- [ ] Additional worst-case scenarios for toxics or flammables if required by Section 2750.3(a)(2)(C).
- [ ] One alternative release scenario for each regulated toxic substance held above the threshold quantity.
- [ ] One alternative release scenario to represent all regulated flammable substances held above the threshold quantity.

FOR EACH SCENARIO THE FOLLOWING INFORMATION SHOULD BE SUBMITTED:

Chemical Name	Physical Sate (toxics only)	Basis of Results (give model name if used)	Scenario (explosion, fire, toxic gas release, or liquid spill and vaporization)	Quantity Released in Pounds	Release Rate/Min	Release Duration/Min	Wind Speed and Atmospheric Stability class (toxics only) m/sec	Distance to Endpoint/miles	Public and Environmental Receptors Within the Distance	Passive Mitigation Considered
a. anhydrous ammonia	gas	Aloha	gas release	181	10.8	16.8	3 knots C	372 ft		
b. Hydrogen Fluoride	Liquid	Aloha	liquid spill	15.9	3.08	5.2	puddle	318 ft		
c.										
d.										
e.										

FIVE-YEAR ACCIDENT HISTORY **2745.5 AND 2750.9**

☒ No accidents history

If Yes, provide the following information for each accidental release:

☐ Date, time, and approximate duration of the release;

☐ Regulated substance(s) released;

☐ Estimated quantity released in pounds;

☐ Type of release event and its source;

☐ Weather conditions, if known;

☐ On-site impacts;

☐ Known offsite impacts;

☐ Initiating event and contributing factors if known;

☐ Whether offsite responders were notified if known;

☐ Operational or process changes that resulted from investigation of the release;

The owner or operator shall provide the following information:

☐ Do they have a written emergency response plan?

☐ Does the plan include specific actions to be taken in response to an accidental release of a regulated substance?

☐ Does the plan include procedures for informing the public and local agencies responsible for responding to accidental releases?

☐ Does the plan include information on emergency health care?

☐ Date of the most recent review or update of the emergency response plan.

☐ Date of the most recent emergency response training for employees.

☐ Name and telephone number of the primary local emergency response agency with which the plan is coordinated.

☐ List of other federal or state emergency plan requirements to which the facility is subject.

EMERGENCY RESPONSE PROGRAM Article 7

Section 2765.1 Emergency Response Applicability.

☐ (a) Except as provided in section (b), the owner or operator of a stationary source with Program 2 and Program 3 processes shall comply with the requirements of Section 2765.2.

☐ (b) The owner or operator of a stationary source whose employees will not respond to accidental releases of regulated substances need not comply with Section 2765.2 provided that they meet the following:

☐ (1) For stationary sources with any regulated toxic substance held in a process above the threshold quantity, the stationary source is included in the community emergency response plan developed under Section 11003 of Title 42 of the United States Code (USC);

☐ (2) For stationary sources with only regulated flammable substances held in a process above the threshold quantity, the owner or operator has coordinated response actions with the local fire department;

☐ (3) Appropriate mechanisms are in place to notify emergency responders when there is a need for a response.

Section 2765.2 Emergency Response Program.

☐ The owner or operator shall develop and implement an emergency response program for the purpose of protecting public health and the environment. The emergency response program shall include the following elements:

☐ An emergency response plan, which shall be maintained at the stationary source and contain at least the following elements:

☐ Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response;

☐ Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures;

☐ Procedures and measures for emergency response after an accidental release of a regulated substance;

☐ Procedures for the use of emerg3ency response equipment and for its inspection, testing, and maintenance;

☐ Training for all employees in relevant procedures and relevant aspects of the Incident Command System;

☐ Procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

☐ A written plan that complies with the contingency plan format developed pursuant to Section 25503.4 of HSC and that, among other matters, includes the elements provided in section (a), shall satisfy the requirements of this section if the owner or operator also complies with section (c). The contingency plan format shall be provided by OES upon request.

☐ The emergency response plan developed under section (a)(1) shall be coordinated with the community emergency response plan developed under Section 11003 of Title 42 of USC. Upon request of the local emergency planning committee or emergency response officials, the owner or operator shall promptly provide to the local emergency response officials information necessary for developing and implementing the community emergency response plan.

☐ The owner or operator is not required to meet the business plan requirements if the emergency response plan developed under this section is consistent with the business plan requirements pursuant to Sections 2731 and 2732 of Title 19 of CCR. This does not exempt the owner or operator from requirements which relate to the annual inventory or emergency response planning for hazardous materials which are not regulated substances.

CERTIFICATION 2745.9

☐ For Program 1 processes the RMP certification statement provided in Section 2735.5(d)(4) should be submitted.

☐ For all other covered processes, a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete.

☐ RMP certified complete by a qualified person and the owner/operator (2745.2)

RMP UPDATES Section 2745.10

The owner or operator of a stationary source shall revise and update the RMP submitted under Section 2745.1 as follows:

☐ Within five years of its initial submission or most recent update required by Sections (a)(2) through (a)(7), whichever is later.

☐ No later than three years after a newly regulated substance is first listed by USEPA;

☐ No later than the date on which a new regulated substance is first present in an already covered process above a threshold quantity;

☐ No later than the date on which a regulated substance is first present above a threshold quantity in a new process

☐ Within six months of a change that requires a revised PHA or hazard review;

☐ Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; and,

☐ Within six months of a change that alters the Program level that applied to any covered process.

☐ The owner or operator of a stationary source which has regulated substances in a process listed in Section 2770.5 in quantities greater than Table 3 thresholds and less than thresholds in Tables 1 or 2 shall revise and update the RMP submitted under Section 2745.1. The updated RMP shall be submitted to the AA as follows:

☐ Within five years of its initial submission or most recent update required by sections (b)(2) through (b)(7),

☐ No later than three years after a newly regulated substance is first listed by OES.

☐ No later than the date on which a new regulated substance is first present in an already covered process above a threshold quantity;

☐ No later than the date on which a regulated substance is first present above a threshold quantity in a new process;

☐ Within six months of a change that requires a revised PHA or hazard review;

☐ Within six months of a change that requires a revised offsite consequence analysis as provided in Section *2750.7;* and,

☐ Within six months of a change that alters the Program level that applied to any covered process.

☐ If a stationary source is no longer subject to the applicability requirements of Section 2735.4(a)(1), the owner or operator shall submit a revised registration pursuant to Section 2740.1(a) to USEPA within six months indicating that the stationary source is no longer covered. A copy of the revised registration shall also be submitted to the AA.

☐ If a stationary source is no longer subject to the applicability requirements of Section 273 5.4(a)(2) the owner or operator shall submit a revised registration pursuant to Section 2740.1(b) to the AA within six months indicating that the stationary source is no longer covered.

☐ Revised RMPs shall be subject to the public review process outlined in Section 2745.2.

☐ Within 30 days of a change in the owner or operator, the new owner or operator shall contact the AA to update registration information. The new owner or operator shall determine if RMP changes are necessary.

COVERED PROCESS MODIFICATION — Section 2745.11

When an owner or operator intends to make a modification to a stationary source relating to a covered process and the modification may result in a significant increase in either: the amount of regulated substances handled at the stationary source as compared to the amount of regulated substances identified in the stationary source's RMP, or the risk of handling a regulated substance as compared to the amount of risk identified in the stationary source's RMP, then the owner or operator shall do all of the following:

☐ Where reasonably possible, notify the AA in writing of the owner or operator's intent to modify the stationary source at least five calendar days before implementing any modifications. As part of the notification process, the owner or operator shall consult with the AA when determining whether the RMP should be reviewed and revised. Where prenotification is not reasonably possible, the owner or operator shall provide written notice to the AA no later than 48 hours following the modification.

☐ Establish procedures to manage the proposed modification, which shall be substantially similar to the procedures specified in Sections 2760.6 and 2760.7 .and notify the AA that the procedures have been established.

☐ The owner or operator of the stationary source shall revise the appropriate documents, as required pursuant to section (a), expeditiously, but not later than 60 days from the date of the stationary source modification.

CERTIFICATE OF OCCUPANCY — Section 2745.12

☐ New or modified stationary sources shall comply with Section 65850.2(b) of the Government Code prior to the issuance of a certificate of occupancy.

Proboszcz.Angie@epamail.epa.gov
02/26/2003 08:13 AM

To: Cara_Roderick@oes.ca.gov
cc: Nicole.Pullman@deh.co.santa-clara.ca.us
Subject: Re: CalARP question about receptor

Hi Cara,

Hope all is well. Sorry for the late reply. I was out of the office and still haven't caught up on all of my messages.

I believe the answer is "no", because Lumileds Lighting is a joint venture; therefore, folks working for Agilent are employees and are not considered public receptors.

Angie

Angie Proboszcz
Risk Management Program Coordinator
U.S. EPA, Region 9
75 Hawthorne St. (SFD-9-A)
San Francisco, CA. 94105-3901
phone (415) 972-3077

Cara_Roderick@oes.ca.gov
02/25/2003 01:09 PM

To: Angie Proboszcz/R9/USEPA/US@EPA
cc: Nicole.Pullman@deh.co.santa-clara.ca.us
Subject: Re: CalARP question about receptor

Hi Angie:

Just checking in to see if you have had a change to look into Nicole's question yet and/or if you have already responded to her. (Please see the notes below).

Thanks!
Cara
(after today, I'll be out of the office until next Monday)

The Governor of California asks everyone to,
"Flex your power, reduce your energy use."

Cara Roderick

02/11/03 12:59 PM

To: Angie Proboszcz
cc: Fred Lercari/OES@OES, Charles Snyder/OES@OES, Jack Harrah/OES@OES,

Michael Warren/OES@OES, Diana Cossairt/OES@OES, Fred Mehr/OES@OES

Fax to:

Subject: CalARP question about receptor

Hi Angie!

We're back from the CUPA Conference. Thank you for your quick turn-around in helping review the Guidance Document. Overall, the draft document was well received - we just need to get it "finalized" now! Jack and I will be asking some follow-up review questions in the near future.

Got a question for you:
Nicole, one of our CUPAs, asked a CalARP/FedARP Program interpretation question at the conference. I asked her to e-mail me so that I could forward it to you. Please refer to Nicole's note below regarding a stationary source-public receptor nuance. The example is a joint venture situation where a building is shared by two different companies, but the companies have the same owner/parent company (it helps to draw a picture).
Although Nicole says they are above the Table 3 TQ (and presumably not above the Fed TQ), we want our interpretation to be consistent with the FedARP Program - hence my forwarding to you...

Please let us know what you think,
Cara
(tomorrow and Monday are Holidays; I'll be back in the office on 2/18.)

The Governor of California asks everyone to,
"Flex your power, reduce your energy use."

----- Forwarded by Cara Roderick/OES on 02/11/03 12:32 PM -----

Nicole.Pullman@deh.co.santa-clara.ca.us To: cara_roderick@oes.ca.gov

cc:

02/10/03 10:12 AM Fax to:

Subject: CalARP question about receptor

Cara,
We have a facility named Lumileds Lighting U.S. LLC which is a joint venture equally owned by HP/Agilent and Phillip Lighting B.V. Lumileds has a process with a regulated substance slightly above State TQ. Lumileds operated in the same building as Agilent and occupies half of the building.
The entire building is restricted to the public and badges are needed to

gain entry.
My question is "Are the employees of Agilent considered public receptors?"
Please let me know as soon as possible. Thanks and great presentations at
the Conference!

Nicole Pullman, R.E.H.S.
Lead Hazardous Materials Specialist
County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-1984 FAX (408) 280-6479
www.EHinfo.org

Nicole Pullman
02/10/2003 10:12 AM

To: cara_roderick@oes.ca.gov
cc:
Subject: CalARP question about receptor

Cara,
We have a facility named Lumileds Lighting U.S. LLC which is a joint venture equally owned by HP/Agilent and Phillip Lighting B.V. Lumileds has a process with a regulated substance slightly above State TQ. Lumileds operated in the same building as Agilent and occupies half of the building. The entire building is restricted to the public and badges are needed to gain entry.
My question is "Are the employees of Agilent considered public receptors?" Please let me know as soon as possible. Thanks and great presentations at the Conference!

Nicole Pullman, R.E.H.S.
Lead Hazardous Materials Specialist
County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-1984 FAX (408) 280-6479
www.EHinfo.org

For each Program 3 process, you must implement all of the elements of the Program 3 prevention program: process safety information, process hazard analysis, standard operating procedures, training, mechanical integrity, compliance audits, incident investigations, management of change, pre-startup reviews, contractors, employee participation, and hot work permits. See Chapter 7 for more details.

EXHIBIT 2-6
COMPARISON OF PROGRAM REQUIREMENTS

Program 1	Program 2	Program 3
Worst-case release analysis	Worst-case release analysis	Worst-case release analysis
	Alternative release analysis	Alternative release analysis
5-year accident history	5-year accident history	5-year accident history
	Document management system	Document management system
Prevention Program		
Certify no additional prevention steps needed	Safety Information	Process Safety Information
	Hazard Review	Process Hazard Analysis.
	Operating Procedures	Operating Procedures
	Training	Training
	Maintenance	Mechanical Integrity
	Incident Investigation	Incident Investigation
	Compliance Audit	Compliance Audit
		Management of Change
		Pre-Startup Review
		Contractors
		Employee Participation
		Hot Work Permits
Emergency Response Program		
Coordinate with local responders	Develop plan and program (if applicable) and coordinate with local responders	Develop plan and program (if applicable) and coordinate with local responders
Submit One Risk Management Plan for All Covered Processes		

369396

HEWLETT PACKARD

Hewlett-Packard Company
350 West Trimble Road
San Jose, California 95131

October 15, 1999

Stephanie Christenberry, R.E.H.S.
Hazardous Materials Specialist
County of Santa Clara
Department of Environmental Health
2220 Moorpark Avenue, Room 204, East Wing
San Jose, California 95128

Hello Stephanie,

Starting November 1st 1999 a Joint Venture Company will be operating at HP/Agilent's San Jose Site located at 350/370 West Trimble Road. The Joint Venture is called LUMILEDS Lighting U.S. LLC, and is equally owned by HP/Agilent and Phillip Lighting B.V. (50/50) The HP/Agilent San Jose Site has two major buildings, Building 90 & 91. Building 91, 370 West Trimble Road in San Jose, will be the headquarters of the expanded Joint Venture. Currently we have an Environmental Health Permit #406876 with the address, 350 West Trimble Road. (See attached copy).
Permit #406876 is set at Hazardous Waste generation level of 250-500 Tons/Year. If we are required to get a separate permit for LUMILEDS, Permit #406876 will have to be changed to show a lower waste generation level due to lower expected hazardous waste generation.
I will be calling you today to determine if we need to initiate the application process for a separate Environmental Health Permit for LUMILEDS Lighting U.S. LLC operations at our facility.

Sincerely,

Stewart Crook, R.E.A.
Environmental Specialist
Hewlett-Packard Company/Agilent Technologies Inc.
Authorized Representative of LUMILEDS LIGHTING U.S. LLC

Department of Toxic Substances Control

Edwin F. Lowry, Director
1001 "I" Street, 25th Floor
P.O. Box 806
Sacramento, California 95812-0806

Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Gray Davis
Governor

July 23, 2001

Ms. Barrie Simpson
Agilent Technologies/LumiLeds Lighting U.S., LLC
350-370 Trimble Road
San Jose, California 95131

VARIANCE DETERMINATION FOR AGILENT TECHNOLOGIES/LUMILEDS LIGHTING U.S., LLC

Dear Ms. Simpson:

The Department of Toxic Substances Control (DTSC) has received the October 31, 2000 variance request for Agilent Technologies/LumiLeds Lighting U.S., LLC (Agilent/LumiLeds). Agilent/LumiLeds has requested an administrative variance that would allow Agilent/LumiLeds to operate as an onsite facility. A change of corporate structure at the facility, which had operated under California's lower authorization tier [Permit by Rule (PBR)], resulted in the creation of a separate legal entity ("new facility") as owners/operator of certain units. Therefore, specified treatment activities at the new facility does not meet the definition of "onsite facility" pursuant to Health and Safety Code Section 25117.12 and Title 22, California Code of Regulations Section 66260.10.

Pursuant to the Health and Safety Code (HSC), section 25143, DTSC grants Agilent/LumiLed variance request subject to all the terms and conditions specified in the enclosed variance.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

Printed on Recycled Paper

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479
www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): LUMILEDS LIGHTING

Name of Corporate Parent Company (if applicable): PHILIPS KPNV & AGILENT TECHNOLOGIES

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 48-986-6533 → 084963127

Facility Latitude: 037 Longitude: 121 Number of Full Time Employees at Facility: 350

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: May 16, 2003

Name of Agency Which Conducted Safety Inspection: San Jose Fire Dept. - HazMat Division

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: JULIE MEGIMAN

Title/Position: EHS MANAGER

Phone No.: (408) 435-6216 ext.

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☐ Yes; ☒ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
AMMONIA (GAS)	766441-7	1800		
HYDROGEN FLUORIDE (49%)	766439-3	1200		

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached UPCF pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: N. T. Bostock

Owner/Operator Signature: [signature] Date Executed: 5/29/03

LUXEON™
A NEW WORLD OF LIGHT

CERTIFICATION

Based on the criteria in Section 2735.4 of Title 19 of CCR, the distances to the specified endpoint for the worst-case accidental release scenario for both the processes, Ammonia and Hydrogen Fluoride (Acid) are less than the distance to the nearest public receptor.

Within the past five years, the processes have had no accidental release that caused offsite impacts provided in the risk management program Section 2735.4©(1).
No additional measures are necessary to prevent offsite impacts from accidental release.

In the event of fire, explosion, or a release of a regulated substance from the processes, entry within the distance to the specified endpoints may pose a danger to public emergency responders. Therefore, public emergency responders should not enter this area except as arranged with the emergency contact indicated in the RMP.

The undersigned certifies that, to the best of my knowledge, information, and belief, formed after reasonable inquiry, the information submitted is true, accurate, and complete.

Name: _____
Neil Thomas Bostock

Title: Chief Financial Officer

Date: 5/29/03

LUMILEDS
LIGHT FROM SILICON VALLEY

Lumileds Lighting, LLC
370 West Trimble Road
San Jose, CA 95131
USA
(877) 298-9455

Agilent

SAN JOSE SITE

350 West Trimble Road *San Jose, CA 95131*
Phone: (408) 435-7400 *FAX: (408) 435-4155*

To: Nicole Pullman

Phone No: 408/ 918-1984 **Fax No:** 408/ 280-6479

From:

Faxed By: Julie Newman

Date: June 2, 2003

No. of Pages Including Cover: 3

Comments:

Please contact me for any questions.

Julie Newman, EHS Manager
408/435.6216

County of Santa Cla
Department of Environmental Health
Hazardous Materials Compliance Division
?220 Moorpark Avenue
.O. Box 28070
San Jose, CA 95159-8070
(408) 299-6930

Agency Use On ☐ Approved; ☐ Disapproved.
Fee Received: $_____
Receipt No.: _____; Date: _____
Staff: _____; Date: _____

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

Please read instructions on reverse before completing.

Registration Type	Update Type	
☐ New; ☐ Update	☐ Add; ☐ Delete; ☒ Revise	**Page** 1 **of** 1.

I. Business Owner/Operator Information

Facility Name (DBA): Lumileds Lighting Bldg. No.: 91

Address: 370 West Trimble Road City: San Jose Zip: 95131

Owner/Operator Name: Neil Thomas Bostock Chief Financial Officer Phone No.: (408) 435-4070 Contact: Gopal Shetty

II. Regulated Substance List

Name of Each Regulated Substance	Percent Conc. by Weight	Process Max. Quantity	CAS No.
Ammonia (Gas)	100 %	1760 lbs.	
Hydroger Flouride (Acid)	49 %	1129 lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	

state TQ
ammonia 500 lbs
Hydrogen Fluoride 100 lbs 49 %

III. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Neil Thomas Bostock Chief Financial Officer

Owner/Operator Signature: Neil Thomas Bostock Date Executed: 10/1/02.

County of Santa Clara
Memorandum

To: File
From: Nicole
Subject: Cal ARP Program

Date: 8/19/02

Gopal Shetty came to office for meting. We were going over which regulated substance is cuirently regulated under Cal ARP and the quantities onsite.
They have a new process using anhydrous ammonia. Within a week Gopal will Submit updated registration

Printed on recycled paper

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

Hazardous Materials Compliance Division
2220 Moorpark Avenue, East Wing, Room 204
San Jose, California 95128-2690
(408) 299-6930 FAX 280-6479
www.ehinfo.org

Mailing Address
Department of Environmental Health
Hazardous Materials Compliance Division
P.O. Box 28070
San Jose, California 95159-8070

July 17, 2002

FILE

Gopal Shetty
Agilent Technologies Inc.
350 W. Trimble Road
San Jose, CA 95134

RE: NEW ANNUAL PERMIT FEES ASSESSED TO FACILITIES UNDER THE CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM

Dear Mr. Shetty:

This letter is to inform you that as of July 1, 2002, the County of Santa Clara Department of Environmental Health (DEH) is charging annual permit fees for facilities that are subject to the CalARP Program.

The annual permit fees are as follows:

Program 3 - $950.00
Program 2 - $750.00
Program 1 - $250.00

If a facility is subject to more than one program, a fee will be charged for the highest program only (Program 3 being the highest). Only one permit fee will be charged regardless of the number of processes you have that are regulated under the CalARP program. This permit fee is separate from the State CalARP Service Fee.

This new permit fee covers staff time for inspections at your facility, document review, continued support in the implementation of your Risk Management Plan and overall implementation of the CalARP program. The new permit fee does not cover Risk Management Plan review.

Billing for this new permit will be coordinated with the renewal of other permits you may have that are issued by our Department. If you have any questions regarding this letter, please contact Nicole Pullman at (408) 299-8850.

Sincerely,

Gordon McPhaill, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials compliance Division

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall Jr., Liz Kniss
County Executive: Richard Wittenberg

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

Hazardous Materials Compliance Division
2220 Moorpark Avenue, East Wing, Room 204
San Jose, California 95128-2690
(408) 299-6930 FAX 280-6479

Mailing Address
Department of Environmental Health
Hazardous Materials Compliance Division
P.O. Box 28070
San Jose, California 95159-8070

July 3, 2000

FILE

Gopal Shetty
Agilent technologies Inc.
350 W. Trimble Road
San Jose, CA 95134

RE: Risk Management Plan submission

Dear Mr. Shetty:

Your registration for regulated substances under the California Accidental Release Prevention (CalARP) program has been received. You are required to comply with Title 19, Chapter 4.5 of the California Code of Regulations (CCR) and submit a Risk Management Plan (RMP) to Santa Clara County.

Based on the information provided to this department it was determined that your process(es) is subject to **Program 1**. You are requested to submit an RMP to this department by October 1, 2002. If you feel your process does not require submittal of an RMP, prepare your information and contact this department as soon as practical.

The RMP must cover all processes that have regulated substances above threshold quantity as listed in Table 3 of Section 2770.5 and must include the information required by Sections 2745.3 through 2745.9. Copy of the regulations in Title 19 can be found on web site: www.oes.ca.gov.

If you have any questions, please contact Nicole Pullman or George Carson at (408) 299-6930.

Sincerely,

Gordon McPhaill, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials Compliance Division

Board of Supervisors: Michael M. Honda, Blanca Alvarado, Ron Gonzales, James T. Beall Jr., Dianne McKenna
County Executive: Richard Wittenberg

County of Santa Clara

Hazardous Materials Compliance Division
2220 Moorpark Avenue
P.O. Box 28070
San Jose, CA 95159-8070
(408) 299-6930

Agency Use Only ☐ Approved; ☐ Disapproved

Program No.: _____ ; Date: _____

Staff: _____ ; Date: _____

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

Please read instructions on reverse before completing.

Registration Type	Update Type	
☐ New; ☒ Update	☐ Add; ☐ Delete; ☒ Revise	Page 1 of 1.

I. Business Owner/Operator Information

Facility Name (DBA): AGILENT TECHNOLOGIES INC. Bldg. No.: 90/91

Address: 350 West Trimble Road City: San Jose Zip: 95131-1008

Owner/Operator Name: AGILENT TECHNOLOGIES INC. Phone No.: (408) 435-4700

II. Regulated Substance List

Name of Each Regulated Substance	Percent Conc. by Weight	Process Max. Quantity	CAS No.
Hydrofluoric acid (2 processes)	49 %	257 lbs.	7664-39-3
Phenol (1 process)	20 %	1,292 lbs.	108-95-2
Phosphorus (reactive solid)	100 %	181 lbs.	7723-14-0
	%	lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	
	%	lbs.	

Product substances

no longer on premises

III. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: STEWART CROOK

Owner/Operator Signature: _____ Date Executed: 6/27/00

...Environmental Health
...ARDOUS MATERIALS COMPLIANCE DI
...O. BOX 28070
SAN JOSE, CA 95159-8070

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM
SUPPLEMENTAL REGISTRATION FORM

FACILITY INFORMATION

Facility Name (DBA): ~~HEWLETT-PACKARD CO~~ Lumileds Bldg. No.: 90/91

Facility Address: 360 W TRIMBLE City: SAN JOSE Zip: 95134

Facility Telephone Number (408) 435-7400 Fax Number (408) 435-4155

Facility Location: 037 ° Latitude 121 °Longitude

Number of Full-Time Employees at the Facility: 1360

Facility's Dun and Bradstreet #: 021198387 USEPA ID: CAT000611400

OWNER INFORMATION

Owner/Operator Name: Hewlett-Packard Telephone No.: (408) 435-7400

Mailing Address: 350 W. Trimble Rd. City: San Jose Zip: 95134

Billing Address: _____ City: _____ Zip: _____
If different from mailing address

CORPORATE INFORMATION

Name of Corporate Parent Company: Hewlett-Packard Telephone No.: (650) 857-1501

Dun and Bradstreet Number of the Corporate Parent Company: 009122532

CONTACT INFORMATION

Please identify the person or position with overall responsibility for RMP elements and implementation:

Lynne Reardon	Environmental Specialist	(510) 505-5438
Name	Title/Position	Telephone Number

Please identify the 24-hour emergency contact for the facility:

Gopal Shetty	Environmental Engineer	(408) 435-4070
Name	Title	Telephone Number

Safety Inspection: What is the date of the last inspection by a Federal, State, or Local government agency?

2 / 4 / 99 Which agency conducted the inspection? San Jose/Santa Clara Water Pollution Control Plant

	Yes	No
Is the facility subject to Section 5189 of Title 8 of CCR?	☐	☒
Is the facility subject to Part 355 of Title 40 of CFR?	☒	☐
Is the facility subject to an operating permit under Title V of CAA?	☐	☒

For each covered process list:
The name and CAS number of each regulated substance held above the threshold quantity in the process; the percent concentration by weight; the maximum quantity of each regulated substance or mixture in the process (in pounds) to two significant digits; the SIC code; and the program level of the process.

Chemical Name	CAS Number	Percent Concentration by Weight	Maximum Quantity (lbs)*	SIC Code	Program Level of the Process
Hydrofluoric acid	7664-39-3	49	257	3674	1
Phosphorus	7723-14-0	100	220	3674	1
Phenol	108-95-2	20	1,292	3674	1

*Section 2770.2 - For a regulated toxic substance, only the weight of the regulated substance in the mixture is considered, not the entire weight of the mixture.

CERTIFICATION
I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Jerry Thorne

Owner/Operator Signature: _____ Date Executed: 3 / 15 / 99

Hewlett-Packard Company
Components Group
370 West Trimble Road
San Jose, California 95131

HEWLETT PACKARD

RECEIVED

MAR 1 6 1999

March 12, 1999

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
2220 Moorpark Avenue, East Wing, Room 204
San Jose, CA 95128-2690

Attention: Ms. Nicole Pullman

Subject: CalARP Supplemental Registration Form

Dear Ms. Pullman:

Enclosed is Hewlett-Packard's supplemental registration form for CalARP. The fee of $105.00 was paid in February (copy of check attached). If you require any additional information, please contact me at 510/505-5438 or Gopal Shetty at 408/435-4070. Please direct future correspondence to the attention of Gopal Shetty, 350 West Trimble Road, San Jose, CA 95131.

Sincerely,

Lynne Reardon

Lynne Reardon
Environmental Specialist

Enclosures

Printed on recycled paper

NLETT PACKARD COMPANY
NANCIAL SERVICES CEN
.O. BOX 2810
COLORADO SPRINGS, CO 80901-2810

CHECK TYPE
PICK UP AT ASC

2000764 01 SD 7033 01

SANTA CLARA CO
PO BOX 26070
DEPT OF ENVIRONMENTAL HEALTH
SAN JOSE CA 95159-6070

HEWLETT PACKARD
PHONE (719) 522-8500

CHECK DATE: 02/19/99
PG 1 OF 1
VENDOR: TS0040
CHECK No. 0002639361

INVOICE DATE	INVOICE NO	P O NUMBER	VOUCHER	INVOICE AMOUNT	DISC / ADJUST	ADJUST CD	NET AMOUNT
02/12/99	VP00132635		S0957113	105.00			105.00
State Cal Arp Service Fee Acct#1208988 (to T Pauley x4179)							
TOTALS				105.00	.00		105.00

ADJUSTMENT CODE EXPLAINATION
01 = INCORRECT ITEM PRICE ON INVOICE
03 = MATH OR EXTENSION ERROR ON INVOICE
06 = RECEIVING DISCREPANCY
29 = FINANCE CHARGE DEDUCTED PER HP POLICY
54 = FREIGHT DEDUCTED
55 = NON-TAXABLE; ITEMS FOR RESALE
56 = TAX RATE INCORRECT FOR RECEIVING SITE; HP WILL PAY APPROPRIATE JURISDICTION
60 = ITEM NOT INCLUDED ON PURCHASE ORDER

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS.

CHECK# 0002639361 ATTACHED BELOW

HEWLETT PACKARD
FINANCIAL SERVICES CENTER
P.O. BOX 2810
COLORADO SPRINGS, CO 80901-2810
PHONE (719) 522-8500

State Cal Arp Fee
Acct# 1208988

62-20
311

CHECK No. 0002639361

CHECK DATE: 02/19/99

VENDOR: TS0040

PAY TO THE ORDER OF

SANTA CLARA CO
PO BOX 26070
DEPT OF ENVIRONMENTAL HEALTH
SAN JOSE CA 95159-6070

$$$$$$$$$$$$105.00

VOID AFTER 90 DAYS

One Hundred Five and 00/100 Dollars

R Wenzo Bolden
HEWLETT PACKARD COMPANY

CITIBANK DELAWARE, A SUBSIDIARY OF CITICORP
ONE PENN'S WAY, NEW CASTLE, DE 19720

⑈0002639361⑈ ⑆031100787⑆

State only

County of Santa Clara

Hazardous Materials Compliance Division
2220 Moorpark Avenue
P.O. Box 28070
San Jose, CA 95159-8070
(408) 299-6930

Agency Use Only ☐ Approved; ☐ Disapproved.
Program No.: 365828 ; Date: 1-19-99
Staff: Nicole Pullman ; Date: 12/11/98

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

owner 114033
Fac 208988

RECEIVED
DEC 10 1998

Please read instructions on reverse before completing.

Registration Type	Update Type	
☒ New; ☐ Update	☐ Add; ☐ Delete; ☐ Revise	Page 1 of 1 .

HAZ CAT 08 04 06

I. Business Owner/Operator Information

Facility Name (DBA): Hewlett-Packard Bldg. No.: 90/91
Address: 350 West Trimble Road City: San Jose Zip: 95131-1008
Owner/Operator Name: Hewlett-Packard Phone No.: (408) 435-7400

II. Regulated Substance List

Name of Each Regulated Substance	FED TQ	STATE TQ	Percent Conc. by Weight	Process Max. Quantity	CAS No.
Hydrofluoric acid (2 processes)	>50	21-7750 100	49 %	257 lbs.	7664-39-3
Phosphorus (1 process)	–	100	100 %	220 lbs.	7723-14-0
Phenol (1 process)	–	500	20 %	1,292 lbs.	108-95-2
			%	lbs.	
			%	lbs.	
			%	lbs.	
			%	lbs.	

CORR
Flam
Pulp

III. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Jerry Thorne

Owner/Operator Signature: [signature] Date Executed: 12/9/98

HMCD APPLICATION CODING

STAFF		SUPPORT STAFF	
Business Code	01	Owner ID	114033
Hazardous Category	—	Case #	
City Code	13	Facility ID	208988
Business Type	08	Census Tract	
Employee ID	4652	Program Record ID	5828 360 [redacted]
Program Element (P/E)	5801	Permit Record ID	
Permit Status	NO PERMIT	Account Record ID	1208988
Type of Permit	—	Invoice Number	
Current Status	01		
Mail Correspondence To	02		

FAC 208988

Business Code:	01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency, 05-County Agency, 06-State Agency, 07-Federal Agency, 99-Unknown
Hazard Cat:	1-Explosives, 2-Gases, 3-Flammable Liquids, 4-Flammable Solids, 5-Oxidizers-Peroxides, 6-Poisons, 7-Radioactive Materials, 8-Corrosives, 9-ORM
City Code:	01-Palo Alto, 02-Los Altos, 03-Los Altos Hills, 04-Mountain View, 05-Cupertino, 06-Sunnyvale, 07-Santa Clara, 08-Milpitas, 09-Campbell, 10-Saratoga, 11-Los Gatos, 12-Monte Sereno, 13-San Jose, 14-Morgan Hill, 15-Gilroy, 16-County area, 17-County-at-large, 18-Out-of-County, 19-Stanford, 20-San Martin, 21-Moffett Field
Business Type:	01-Food, 02-Recreation, 03-Hazardous Materials, 04-Hazardous Waste Gen, 05-Water, 06-Solid Waste, 07-Medical Waste, 08-Multi-Hazardous Materials, 09-Pumper, 10 -Multi-programs, 99-Unknown
Permit Status:	02-Inactive permit, 08-Tank removed, 10-Full permit, 21-Active, 50-New permit
Type of Permit:	P-Permanent, PE-Exempt
Current Status:	01-Active, 02-Inactive, 03-Temporarily inactive, 04-Active, exempt from billing
Mail To:	01-Owner, 02-Facility

Revised 8/26/97SG

E 1-19-99 cjm

Agilent Technologies, Inc
Semiconductor Products Group
350 West Trimble Road
San Jose, California 95131
www.agilent.com

RECEIVED BY
ENVIRONMENTAL HEALTH
HMCD

Agilent Technologies
Innovating the HP Way

MAY 33 9 26 AM '00

SENT VIA CERTIFIED MAIL, RETURN RECEIPT REQUESTED

May 31, 2000

Ms. Nicole Pullman
County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division
P.O. Box 28070
San Jose, CA 95159-8070

Subject: **Agilent's Initial Financial Assurance Submittal**
Agilent Technologies, Inc.
350 West Trimble Road, San Jose, CA
EPA ID# CAT 000 611 400

Agilent Technologies, Inc. (Agilent) will be officially separated from Hewlett-Packard Company on June 2, 2000. The enclosed Financial Assurance information provides the necessary coverage for the Agilent site located at 350 West Trimble Road in San Jose, California.

The enclosed information includes:
1. CFO Letter & Financial Test (DSTC Form 1159)
2. A letter from PriceWaterhouseCoopers verifying the data used in the financial test
3. DTSC Form 1232
4. A copy of the 1999 Annual Report
5. A copy of the 1999 SEC Form 10-K

If you have any questions regarding this submittal, please call me at (408) 435-4151.

Sincerely,

Rebecca Bond

Rebecca Maddex Bond
Environmental Engineer

cc: Ms. Bonnie Griffith, Cal/EPA, Department of Toxic Substances Control

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

LYNNE REARDON
HEWLETT-PACKARD
350 W. TRIMBLE ROAD
SAN JOSE, CA 95134

4a. Article Number

P 196 860 249

4b. Service Type

☐ Registered ☐ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

10-1-99

5. Received By: *(Print Name)*

6. Signature: *(Addressee or Agent)*

X

8. Addressee's Address *(Only if requested and fee is paid)*

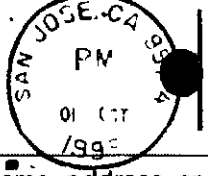
PS Form **3811**, December 1994

Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

Santa Clara County
Dept. of Environmental Health
HAZARDOUS MATERIALS COMPLIANCE DIV
P.O. BOX 28070
SAN JOSE, CA 95159-8070

NP

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health

Hazardous Materials Compliance Division
2220 Moorpark Avenue, East Wing, Room 204
San Jose, California 95128-2690
(408) 299-6930 FAX 280-6479

Mailing Address
Department of Environmental Health
Hazardous Materials Compliance Division
P.O. Box 28070
San Jose, California 95159-8070

September 27, 1999

Lynne Reardon
Hewlett-Packard
350 W. Trimble Road
San Jose, CA 95134

RE: Risk Management Plan submission

Dear Ms. Reardon:

Your registration for regulated substances under the California Accidental Release Prevention (CalARP) program has been received. You are required to comply with Title 19, Chapter 4.5 of the California Code of Regulations (CCR) and submit a Risk Management Plan (RMP) to Santa Clara County.

Based on the information provided to this department it was determined that your process(es) is subject to **Program 1**. You are requested to submit an RMP to this department within three years of receipt of this letter. If you feel your process does not require submittal of an RMP, prepare your information and contact this department as soon as practical.

The RMP must cover all processes that have regulated substances above threshold quantity as listed in Table 3 of Section 2770.5 and must include the information required by Sections 2745.3 through 2745.9. Copy of the regulations in Title 19 can be found on web site: www.oes.ca.gov.

If you have any questions, please contact Nicole Pullman or George Carson at (408) 299-6930.

Sincerely,

Gordon McPhaill, R.E.H.S.
Hazardous Materials Program Manager
Hazardous Materials Compliance Division

Board of Supervisors: Donald F. Gage, Blanca Alvarado, Pete McHugh, James T. Beall Jr., S. Joseph Simitian
County Executive: Richard Wittenberg

PROJECT REVIEW/UPDATE LOG

Staff: Ruben

General Information:

Facility Name: Lumileds Lighting Facility Phone No.: (408) 435-4205

Site Address: 370 West Trimble City: San Jose Zip: ____

Project Contact Person: Mitch Cole Title: Environ Spec. Company: Lumileds

Contact Phone No.: (408) ~~435-4205~~ 435-7400 Cell No.: (____) ____ Fax No.: (____) ____

SR# 819021 PE 2359 Project Description: Cal ARP Review

Date/Time	Activity
7/05/05	Recieved Lumileds Lighting CAL ARP
8/27/05	1st Public Notice in Paper # 304.01
6/06/06	Review Lumileds Lighting CAL ARP 2 Hours
7/11/06	Review Lumileds Lighting CAL APP 3 Hours
7/12/06	Review Lumileds Lighting CAL ARP 2 Hours
7/13/06	2nd Public Notice in Paper - # 304.01

COUNTY OF SANTA CLARA
DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Resources Agency

Administrative Offices – 1555 Berger Drive, San Jose, CA 95112
408-918-3400 – voice 408-298-6261 – fax
www.EHinfo.org

FAX

To:	Gwen Robinson	**From:**	Ruben Williams 408-918-1885
Fax:	408-920-5271	**Pages:**	1 Cover plus 2 pages
Phone:	408-920-5332	**Date:**	8/23/2005
Re:	Public Notice	**CC:**	Nicole Pullman

x **Urgent** ☐ **For Review** ☐ **Please Comment** x **Please Reply** ☐ **Please Recycle**

• **Comments:**

Gwen

Please call me back with date of publication and cost.

Thanks

Ruben Williams

Department of Environmental Health
Purchasing Request

Requestor Name: Ruben Williams **Division/Program:** 1198

To be provided by purchasing support staff.

Check One: ☒ **Purchase Request** ☐ **Contract Release** ☐ **Direct Pay** ☐ **P-Card**
Cost Center: 1198 - HazMat **GLA:** 5255100 - Professional Special Services **Internal Order:**

Vendor: San Jose Mercury News **Phone #:** 408-9205332
Address: 750 Ridder Park Drive, San Jose, CA
Contact Person: Swen Robinson **Phone #:** ###-###-####
Date Req'd: ASAP

1.	**Qty:** 1	**Units:** EA	**Cost/Unit:** $500.00	**Page:**	
	Model / Catalog #:	Public notification ad to be placed at earliest date. Ad to be placed			
	Description:	once. Send proof of publication with invoice.			
2.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
3.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
4.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
5.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
6.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				

Comments or Special Instructions: Newspaper Public article for Cal ARP submittal for the following facilities: Variet Metal Finishing, Inc. 1166 Campbell Avenue, San Jose CA, Jennings Technology, 970 McLaughlin Avenue, San Jose, CA and Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA.

1

Requested By: Ruben Williams Ruben D. Williams **Date:** 8-22-05
Approved By: Nicole Pullman Nicole E Pullman **Date:** 8/23/05

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Variety Metal Finishing, Inc., 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

Santa Clara County
Hazardous Materials Compliance Division
March 3, 1999

RISK MANAGEMENT PLAN REVIEW PROCESS

(CCR - Title 19 Section 2745.2)

1. INITIAL PUBLIC NOTICE

2. DEFICIENCY NOTICE

3. FORMAL PUBLIC REVIEW

4. EVALUATION REVIEW

Note that "RISK MANAGEMENT PLAN REVIEW PROCESS" tracking form will be kept in facility file. Copy of tracking form is attached.

INITIAL PUBLIC NOTICE

Santa Clara County Hazardous Materials Compliance Division (SCCHMCD) will publish a public notice in a local newspaper of general circulation that the RMP has been submitted and that we have initiated the process for government and public review. The following steps will be followed:

A copy of the public notice is submitted to Clerical Staff with a Direct Pay request of a purchase order to the San Jose Mercury and any additional newspapers after approval by Program Manager.

The newspaper's contact person is called and faxed a copy of the public notice with a copy of the purchase order. The following contact person has been established:

San Jose Mercury
Gwen Robinson
ph (408) 920-5332
fax (408) 920-5271

The public notice is published within 3 to 4 working days. The newspaper's contact person informs us on the day of publication. The facility who submitted the RMP is called and informed on the date of the publication and the local newspaper used.

A copy of the public notice is received from the local newspaper and is filed in the facility's file.

PUBLIC NOTICE

Risk Management Plan Notification

Santa Clara County has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program for ----------,(location)-------, California for the chemical(s)----------. After a review for completion of the RMP by Santa Clara County, the RMP will be made available to the public for review and comment. Individuals and organizations may request notification from our department in addition to the published public notice.

Santa Clara County Environmental Resources Agency
Hazardous Materials Compliance Division
2220 Moorpark Avenue
(408) 299-6930

DEFICIENCY NOTICE

The RMP is reviewed for all elements pursuant to Sections 2745.3 through 2745.9 by SCCHMCD staff assigned to the facility. A checklist with RMP components and submission requirements has been developed and is used for reviewing RMP.

SCCHMCD provides a written notice to owner or operator of a facility of any deficiencies. SCCHMCD may authorize the Bay Area air quality management district (AQMD) to conduct a technical review of the RMP.

The owner or operator of the facility has 60 calendar days from receipt of the notification of RMP deficiencies to make any corrections. A one-time 30 calendar day extension to correct deficiencies may be granted, if request in writing is received from the owner or operator of the facility. At the end of the 60 calendar days, and any extension period, the facility shall resubmit the corrected, revised RMP to SCCHMCD. Failure to correct deficiencies during the specified time frame shall subject the owner or operator to penalties specified in Sections 25540 and 25541 of HSC.

If no deficiencies are identified, SCCHMCD shall accept the RMP as complete and submit the RMP for formal review.

FORMAL PUBLIC REVIEW

SCCHMCD will publish a public notice in a local newspaper of general circulation that the RMP has been reviewed and found to be complete and the RMP is submitted for formal public review. The following steps will be followed:

A copy of the public notice is submitted to Clerical Staff with a Direct Pay request of a purchase order to the San Jose Mercury and any additional newspapers after approval by Program Manager..

The newspaper's contact person is called and faxed a copy of the public notice with a copy of the purchase order. The following contact person has been established:

San Jose Mercury
Gwen Robinson
ph (408) 920-5332
fax (408) 920-5271

The pubic notice is published with 3 to 4 working days. The newspaper's contact person informs us on the day of publication. The facility who submitted the RMP is called and informed on the date of the publication and the local newspaper used.

A copy of the public notice is received from the local newspaper and is filed in the facility's file.

EVALUATION REVIEW

After the formal public review period, the SCCHMCD will begin the evaluation review. SCCHMCD will take the public comments into consideration during the evaluation review. The following items will also be considered:

Standard application of engineering and scientific principles
Site Characteristics
Technical accuracy
Severity of offsite consequences
Other information

The evaluation review may include inspections and onsite document review of records and data not previously submitted to our department.

The evaluation review will be completed by SCCHMCD as follow:

Within 24 months, for RMP which includes Program 3 processes

Within 36 months, for RMP which includes only Program 1 or Program 2 processes

RISK MANAGEMENT PLAN
COMPLIANCE CHECKLIST

FACILITY INFORMATION

EPA ID # _____ PR# _____

Facility Name _____

Facility Address 370 W. Trimble Rd City _____ Zip _____

Contact Person Mitch Cole Telephone # (408) 435-4205

Contact Person _____ Telephone # (____) _____

Reviewed By Ruben Williams **Date** 7/13/2006

Inspected By _____ **Date** _____

REGISTRATION

- [x] Business Name, Address, Latitude/Longitude
- [x] Dun & Bradstreet number
- [x] Name, telephone and address of owner/operator
- [ ] Name of responsible RMP person
- [ ] Name, telephone number, and 24 hour phone number of emergency contact
- [ ] Regulated substances: chemical name, maximum quantity in a process, CAS number, program level and NAICS code
- [ ] Stationary source USEPA identifier
- [x] Number of full-time employees
- [x] Whether source is subject to 5189 Title 8 CCR
- [x] Whether source is subject to part 355 Title 40 CFR
- [x] Whether source is subject to operating permit under Title V of CAA
- [x] Date of last safety inspection by a Federal, State or Local government agency and identify agency

EXECUTIVE SUMMARY 2745.3

A brief description of the following elements should be included:

- [x] Accidental release prevention and emergency response policies at the facility.
- [x] Facility and regulated substances handled.
- [x] Worst-case release scenario(s) and alternate release scenario(s), including administrative controls and mitigation measures to limit the distances for each reported scenario.
- [x] General accidental release prevention program and chemical-specific prevention steps.
- [ ] Five-year accident history. None
- [x] Emergency response program.
- [ ] Planned changes to improve safety.

OFFSITE CONSEQUENCE ANALYSIS 2745.4

Process: a Ammonia Anhydrous b. Ammonia Anhydrous, c. Chlorine Gas

PROGRAM 1 PROCESSES

a.	b.	c.	
☐	☐	☐	One worst-case release scenario for each Program 1 process.

PROGRAM 2 AND 3 PROCESSES

- [x] One worst-case release scenario to represent all regulated toxic substances held above the threshold quantity.
- [x] One worst-case release scenario to represent all regulated flammable substances held above threshold quantity.
- [ ] Additional worst-case scenarios for toxics or flammables if required by Section 2750.3(a)(2)(C).
- [x] One alternative release scenario for each regulated toxic substance held above the threshold quantity.
- [x] One alternative release scenario to represent all regulated flammable substances held above the threshold quantity.

FOR EACH SCENARIO THE FOLLOWING INFORMATION SHOULD BE SUBMITTED:

Chemical Name	Physical Sate (toxics only)	Basis of Results (give model name if used)	Scenario (explosion, fire, toxic gas release, or liquid spill and vaporization)	Quantity Released in Pounds	Release Rate/Min	Release Duration/Min	Wind Speed and Atmospheric Stability class (toxics only) m/sec	Distance to Endpoint/miles	Public and Environmental Receptors Within the Distance	Passive Mitigation Considered
a. Ammonia Anhydrous	Gas		Toxic							
b. Ammonia Anhydrous	Gas		Toxic							
c. Chlorine Gas	Gas		Toxic							
d.										
e.										

FIVE-YEAR ACCIDENT HISTORY **2745.5 AND 2750.9**

☒ No accidents history

If Yes, provide the following information for each accidental release:

☐ Date, time, and approximate duration of the release;

☐ Regulated substance(s) released;

☐ Estimated quantity released in pounds;

☐ Type of release event and its source;

☐ Weather conditions, if known;

☐ On-site impacts;

☐ Known offsite impacts;

☐ Initiating event and contributing factors if known;

☐ Whether offsite responders were notified if known;

☐ Operational or process changes that resulted from investigation of the release;

The owner or operator shall provide the following information:

☐ Do they have a written emergency response plan?

☐ Does the plan include specific actions to be taken in response to an accidental release of a regulated substance?

☐ Does the plan include procedures for informing the public and local agencies responsible for responding to accidental releases?

☐ Does the plan include information on emergency health care?

☐ Date of the most recent review or update of the emergency response plan.

☐ Date of the most recent emergency response training for employees.

☐ Name and telephone number of the primary local emergency response agency with which the plan is coordinated.

☐ List of other federal or state emergency plan requirements to which the facility is subject.

EMERGENCY RESPONSE PROGRAM Article 7

Section 2765.1 Emergency Response Applicability.

☐ (a) Except as provided in section (b), the owner or operator of a stationary source with Program 2 and Program 3 processes shall comply with the requirements of Section 2765.2.

☐ (b) The owner or operator of a stationary source whose employees will not respond to accidental releases of regulated substances need not comply with Section 2765.2 provided that they meet the following:

☐ (1) For stationary sources with any regulated toxic substance held in a process above the threshold quantity, the stationary source is included in the community emergency response plan developed under Section 11003 of Title 42 of the United States Code (USC);

☐ (2) For stationary sources with only regulated flammable substances held in a process above the threshold quantity, the owner or operator has coordinated response actions with the local fire department;

☐ (3) Appropriate mechanisms are in place to notify emergency responders when there is a need for a response.

Section 2765.2 Emergency Response Program.

☐ The owner or operator shall develop and implement an emergency response program for the purpose of protecting public health and the environment. The emergency response program shall include the following elements:

☐ An emergency response plan, which shall be maintained at the stationary source and contain at least the following elements:

☐ Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response;

☐ Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures;

☐ Procedures and measures for emergency response after an accidental release of a regulated substance;

☐ Procedures for the use of emerg3ency response equipment and for its inspection, testing, and maintenance;

☐ Training for all employees in relevant procedures and relevant aspects of the Incident Command System;

☐ Procedures to review and update, as appropriate, the emergency response plan to reflect changes at the stationary source and ensure that employees are informed of changes.

☐ A written plan that complies with the contingency plan format developed pursuant to Section 25503.4 of HSC and that, among other matters, includes the elements provided in section (a), shall satisfy the requirements of this section if the owner or operator also complies with section (c). The contingency plan format shall be provided by OES upon request.

☐ The emergency response plan developed under section (a)(1) shall be coordinated with the community emergency response plan developed under Section 11003 of Title 42 of USC. Upon request of the local emergency planning committee or emergency response officials, the owner or operator shall promptly provide to the local emergency response officials information necessary for developing and implementing the community emergency response plan.

☐ The owner or operator is not required to meet the business plan requirements if the emergency response plan developed under this section is consistent with the business plan requirements pursuant to Sections 2731 and 2732 of Title 19 of CCR. This does not exempt the owner or operator from requirements which relate to the annual inventory or emergency response planning for hazardous materials which are not regulated substances.

CERTIFICATION

2745.9

☐ For Program 1 processes the RMP certification statement provided in Section 2735.5(d)(4) should be submitted.

☐ For all other covered processes, a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete.

☐ RMP certified complete by a qualified person and the owner/operator (2745.2)

RMP UPDATES

Section 2745.10

The owner or operator of a stationary source shall revise and update the RMP submitted under Section 2745.1 as follows:

☐ Within five years of its initial submission or most recent update required by Sections (a)(2) through (a)(7), whichever is later.

☐ No later than three years after a newly regulated substance is first listed by USEPA;

☐ No later than the date on which a new regulated substance is first present in an already covered process above a threshold quantity;

☐ No later than the date on which a regulated substance is first present above a threshold quantity in a new process

☐ Within six months of a change that requires a revised PHA or hazard review;

☐ Within six months of a change that requires a revised offsite consequence analysis as provided in section 2750.7; and,

☐ Within six months of a change that alters the Program level that applied to any covered process.

☐ The owner or operator of a stationary source which has regulated substances in a process listed in Section 2770.5 in quantities greater than Table 3 thresholds and less than thresholds in Tables 1 or 2 shall revise and update the RMP submitted under Section 2745.1. The updated RMP shall be submitted to the AA as follows:

☐ Within five years of its initial submission or most recent update required by sections (b)(2) through (b)(7),

☐ No later than three years after a newly regulated substance is first listed by OES.

☐ No later than the date on which a new regulated substance is first present in an already covered process above a threshold quantity;

☐ No later than the date on which a regulated substance is first present above a threshold quantity in a new process;

☐ Within six months of a change that requires a revised PHA or hazard review;

☐ Within six months of a change that requires a revised offsite consequence analysis as provided in Section *2750.7;* and,

☐ Within six months of a change that alters the Program level that applied to any covered process.

☐ If a stationary source is no longer subject to the applicability requirements of Section 2735.4(a)(1), the owner or operator shall submit a revised registration pursuant to Section 2740.1(a) to USEPA within six months indicating that the stationary source is no longer covered. A copy of the revised registration shall also be submitted to the AA.

☐ If a stationary source is no longer subject to the applicability requirements of Section 273 5.4(a)(2) the owner or operator shall submit a revised registration pursuant to Section 2740.1(b) to the AA within six months indicating that the stationary source is no longer covered.

☐ Revised RMPs shall be subject to the public review process outlined in Section 2745.2.

☐ Within 30 days of a change in the owner or operator, the new owner or operator shall contact the AA to update registration information. The new owner or operator shall determine if RMP changes are necessary.

COVERED PROCESS MODIFICATION — Section 2745.11

When an owner or operator intends to make a modification to a stationary source relating to a covered process and the modification may result in a significant increase in either: the amount of regulated substances handled at the stationary source as compared to the amount of regulated substances identified in the stationary source's RMP, or the risk of handling a regulated substance as compared to the amount of risk identified in the stationary source's RMP, then the owner or operator shall do all of the following:

☐ Where reasonably possible, notify the AA in writing of the owner or operator's intent to modify the stationary source at least five calendar days before implementing any modifications. As part of the notification process, the owner or operator shall consult with the AA when determining whether the RMP should be reviewed and revised. Where prenotification is not reasonably possible, the owner or operator shall provide written notice to the AA no later than 48 hours following the modification.

☐ Establish procedures to manage the proposed modification, which shall be substantially similar to the procedures specified in Sections 2760.6 and 2760.7 .and notify the AA that the procedures have been established.

☐ The owner or operator of the stationary source shall revise the appropriate documents, as required pursuant to section (a), expeditiously, but not later than 60 days from the date of the stationary source modification.

CERTIFICATE OF OCCUPANCY — Section 2745.12

☐ New or modified stationary sources shall comply with Section 65850.2(b) of the Government Code prior to the issuance of a certificate of occupancy.

PROJECT REVIEW/UPDATE LOG

Staff: _____

General Information:

Facility Name: _____ Facility Phone No.: (____) _____

Site Address: _____ City: _____ Zip: _____

Project Contact Person: _____ Title: _____ Company: _____

Contact Phone No.: (____) _____ Cell No.: (____) _____ Fax No.: (____) _____

SR _____ PE _____ Project Description: _____

Date/Time	Activity

COUNTY OF SANTA CLARA
DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Resources Agency

Administrative Offices – 1555 Berger Drive, San Jose, CA 95112
408-918-3400 – voice 408-298-6261 – fax
www.EHinfo.org

FAX

To:	Gwen Robinson	**From:**	Ruben Williams 408-918-1885
Fax:	408-920-5271	**Pages:**	1 Cover plus 2 pages
Phone:	408-920-5332	**Date:**	8/23/2005
Re:	Public Notice	**CC:**	Nicole Pullman

x **Urgent** ☐ **For Review** ☐ **Please Comment** x **Please Reply** ☐ **Please Recycle**

• **Comments:**

Gwen

Please call me back with date of publication and cost.

Thanks

Ruben Williams

Department of Environmental Health
Purchasing Request

Requestor Name: Ruben Williams **Division/Program:** 1198

To be provided by purchasing support staff.

Check One: ☒ **Purchase Request** ☐ **Contract Release** ☐ **Direct Pay** ☐ **P-Card**
Cost Center: 1198 - HazMat **GLA:** 5255100 - Professional Special Services **Internal Order:**

Vendor: San Jose Mercury News **Phone #:** 408-9205332
Address: 750 Ridder Park Drive, San Jose, CA
Contact Person: Swen Robinson **Phone #:** ###-###-####
Date Req'd: ASAP

1.	**Qty:** 1	**Units:** EA	**Cost/Unit:** $500.00	**Page:**	
	Model / Catalog #:	Public notification ad to be placed at earliest date. Ad to be placed			
	Description:	once. Send proof of publication with invoice.			
2.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
3.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
4.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
5.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				
6.	**Qty:**	**Units:**	**Cost/Unit:**	**Page:**	
	Model / Catalog #:				
	Description:				

Comments or Special Instructions: Newspaper Public article for Cal ARP submittal for the following facilities: Variet Metal Finishing, Inc. 1166 Campbell Avenue, San Jose CA, Jennings Technology, 970 McLaughlin Avenue, San Jose, CA and Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA.

Requested By: Ruben Williams Ruben D. Williams **Date:** 8-22-05
Approved By: Nicole Pullman Nicole P Ullman **Date:** 8/23/05

PUBLIC NOTICE

Risk Management Plan Notification

The County of Santa Clara has received a Risk Management Plan (RMP) under the California Accidental Release Prevention (CalARP) program from the following facilities: Variety Metal Finishing, Inc., 1166 Campbell Avenue, San Jose, CA 95126 for the chemicals Potassium Cyanide and Nitric Acid; Jennings Technology, 970 McLaughlin Avenue, San Jose, CA 95112 for the chemical Potassium Cyanide; Lumileds Lighting, LLC, 370 West Trimble Road, San Jose CA 95131 for the chemicals Anhydrous Ammonia and Chlorine Gas. After the County of Santa Clara reviews the RMP and finds it complete, the RMP will be made available to the public for review and comments. Individuals and organizations may request notification from our department in addition to the published public notice.

County of Santa Clara Department of Environmental Health
Hazardous Materials Compliance and Solid Waste Enforcement
1555 Berger Drive, Suite 300
San Jose, CA 95112
(408) 918-3400

Application Coding and Computer Input Document (ACCID)

APPROVED
By Jennifer Kaahaaina at 7:24 pm, Apr 22, 2015

(Information in Red Font or Otherwise Highlighted Requires Data Entry)

☐ Ownership Change ☐ New Facility ☐ Facility Closed ☐ Add Record(s) ☒ Modify Record(s) ☐ Invoice Adjustment

Facility Name: **PHILIPS LUMILEDS LIGHTING CO** Facility ID: **FA0252744**

Site Address: **370 W TRIMBLE RD BLDG 90** City: **SAN JOSE**

MODIFY OWNER RECORD: Owner ID: OW0153753 ☐Add/Remove Co-Owner

Bus Code:

Owner Name: DBA:

Care of: eMail:

Postal Address:

MODIFY FACILITY RECORD: Jurisdiction: City Code:

Last HMIRRP: CERS ID: 10132666

ADD OR MODIFY GENERAL HEALTH PROGRAM & GENERAL PERMIT:

Designated Employee (Inspector):

Set Date of Last Billing as: for effective

Program (PR) or Tank (TA) Record ID	PE	Current Status	Discount Code	License	Make	Year	VIN	Vehicle Type
PR0399589	2011	01 - Active						

Permit is Valid from: Permit is Valid to: Bill/Rebill Now?

PERMIT CONDITIONS:

SWITCH RECORDS:

Switch Facility Record from Owner to Owner .

Switch the following PRs to Facility :

MODIFY ACCOUNTING RECORDS: Account ID: Mailing Code:

Responsible Party: Care of:

Postal Address: eMail:

Fiscal Adjustment Information:

Invoice ID: Credit Amount: Invoice ID: Credit Amount:

Invoice ID: Credit Amount: Invoice ID: Credit Amount:

Reasons for Adjustment: *(Check all that apply)*

☐ Close Account; ☐ Delete Charge; ☐ Ownership Change; ☐ Refer to DOR; ☐ Refund; ☐ Waive Delinquency;

☐ Transfer Payment FROM Invoice ID TO Invoice ID

☐ Other (describe):

COMMENTS: Changed program element from 2012 to 2011 APSA facility less then 10,000 Gallons pf Petroleum

Prepared by: Ruben Williams **Date:** 4/20/2015 ☐ Label/Relabel File Folder(s)

Senior/Manager Initials: _____ **Date:** _____ **Input by:** _____ **Date:** _____

FAO 252744

County of Santa Clara
Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

RECEIVED BY:
SANTA CLARA COUNTY
HEALTH
2015 MAR -6 PM 1:48

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Lumileds LLC

Name of Corporate Parent Company (if applicable):

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 124998217

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 625

E-Mail Address of Primary Emergency Contact: mitchell.cole@philips.com new email format in development

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: September 23, 2014

Name of Agency Which Conducted Safety Inspection: County of Santa Clara

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute

Contractor Mailing Address: 1026 Folsom Street, Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	110,000 (bulk tanks)	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: [signature] Date Executed: March 3, 2015

Section 1. Registration Information

1.1 Source Identification	
1.1.a. Facility Name	Lumileds, LLC
1.1.b. Parent Company #1 Name	Apollo Global Management
1.1.c. Parent Company #2 Name	
1.2 EPA Facility Identifier	100000195601
1.3 Other EPA Systems Facility Identifier	CAR000058081
1.4 Dun and Bradstreet Numbers (DUNS)	
1.4.a. Facility DUNS	124998217
1.4.b. Parent Company #1 DUNS	962519000
1.4.c. Parent Company #2 DUNS	
1.5 Facility Location	
1.5.a. Street - Line 1	370 West Trimble Road
1.5.b. Street - Line 2	
1.5.c. City	San Jose
1.5.d. State	CA
1.5.e. Zip Code - Zip +4 Code	95131
1.5.f. County	SANTA CLARA
1.5.g. Facility Latitude (in decimal degrees)	37.379542
1.5.h. Facility Longitude (in decimal degrees)	-121.935556
1.5.i. Method for determining Lat/Long	GPS - Unspecified
1.5.j. Description of location identified by Lat/Long	Storage Tank
1.5.k. Horizontal Accuracy Measure (meters)	3
1.5.l. Horizontal Reference Datum Code	North American Datum of 1983
1.5.m. Source Map Scale Number	
1.6 Owner or Operator	
1.6.a. Name	Lumileds, LLC
1.6.b. Phone	(408) 964-5300
1.6.c. Street - Line 1	370 W. Trimble Road
1.6.d. Street - Line 2	
1.6.e. City	San Jose
1.6.f. State	CA
1.6.g. Zip Code - Zip +4 Code	95131
Foreign Country	
Foreign State/Province	
Foreign Zip/Postal Code	
1.7 Name, title and email address of person or position responsible for RMP (part 68) implementation	
1.7.a. Name of person	Mitch Cole
1.7.b. Title of person or position	Environmental Engineer
1.7.c. Email address of person or position	mitchell.cole@lumileds.com

Section 1. Registration Information

1.8 Emergency Contact	
1.8.a. Name	Joe Xie
1.8.b. Title of person or position	Health and Safety Manager
1.8.c. Phone	(408) 964-2625
1.8.d. 24-Hour Phone	(408) 964-5300
1.8.e. 24-Hour Phone Extension/PIN #	
1.8.f. Email address for emergency contact	Joe.xie@lumileds.com
1.9 Other Points of Contact	
1.9.a. Facility or Parent Company E-mail Address	MITCHELL.COLE@LUMILEDS.COM
1.9.b. Facility Public Contact Phone Number	(408) 964-3000
1.9.c. Facility or Parent Company WWW Homepage Address	www.lumileds.com
1.10 Local Emergency Planning Committee (LEPC)	Region II LEPC
1.11 Number of fulltime equivalent (FTEs) employees on site	650
1.12 Covered by	
1.12.a. OSHA PSM	Y
1.12.b. EPCRA section 302	Y
1.12.c. CAA Title V Air Operating Permit Program	
1.12.d. Air Operating Permit ID #	
1.13 OSHA Star or Merit Ranking	
1.14 Last Safety Inspection (by an External Agency) Date	07/23/2018
1.15 Last Safety Inspection Performed by an External Agency	Fire Department
1.16 Will this RMP involve Predictive Filing?	Y
1.18 RMP Preparer Information	
1.18.a. Name	Mitch Cole
1.18.b. Phone	(408) 964-2562
1.18.c. Street - Line 1	370 West Trimble Road
1.18.d. Street - Line 2	
1.18.e. City	San Jose
1.18.f. State	CA
1.18.g. Zip	95131
Foreign Country	
Foreign State/Province	
Foreign Zip Code	

Section 1. Registration Information

Section 1.17 Process Specific Information

Process 1

Process ID #	1000090680		
Process Description	ISO Ammonia System		
1.17.a. Program Level	3		
1.17.b. NAICS Code(s)			
334419 (Other Electronic Component Manufacturing)			
1.17.c. Chemical(s)			
	Chemical Name	CAS Number	Quantity
	Ammonia (anhydrous)	7664-41-7	105600

Section 1. Registration Information

Section 1.17 Process Specific Information

Process 2

Process ID #	1000090681		
Process Description	Bulk Liquid Hydrogen Syst		
1.17.a. Program Level	3		
1.17.b. NAICS Code(s)			
334413 (Semiconductor and Related Device Manufacturing)			
1.17.c. Chemical(s)			
	Chemical Name	CAS Number	Quantity
	Hydrogen	1333-74-0	10656

Section 2. Toxics: Worst Case

Scenario 1

Process Name	ISO Ammonia System
2.1 Chemical	
2.1.a. Name	Ammonia (anhydrous)
2.1.b. Percent Weight of Chemical	100
2.2 Physical State	Gas liquified by pressure
2.3 Model Used	RMP Comp Version 1.07 Version; "Technical Background Document for Offsite Consequence Analysis for Anhydrous Ammonia, Aqueous Ammonia, Chlorine and Sulfur Dioxide" EPA-550-B99-017.
2.4 Scenario	Liquid spill and vaporization
2.5 Quantity Released (lbs)	26000
2.6 Release Rate (lbs/min)	2600
2.7 Release Duration (mins)	10
2.8 Wind Speed (meters/sec)	1.5
2.9 Atmospheric stability class	F
2.10 Topography	Urban
2.11 Distance to endpoint (miles)	1.9
2.12 Estimated residential population within distance to endpoint (numbers)	28773
2.13 Public receptors within distance to endpoint	
2.13.a. Schools	Y
2.13.b. Residences	Y
2.13.c. Hospitals	Y
2.13.d. Prison/Correctional Facilities	
2.13.e. Recreational Areas	
2.13.f. Major commercial, office or industrial areas	Y
2.13.g. Other	parks, airport and churches
2.14 Environmental receptors within distance to endpoint	
2.14.a. National or State Parks, Forests or Monuments	
2.14.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
2.14.c. Federal Wilderness Area	
2.14.d. Other	Guadalupe River and Coyote Creek
2.15 Passive mitigation considered	
2.15.a. Dikes	
2.15.b. Enclosures	
2.15.c. Berms	
2.15.d. Drains	
2.15.e. Sumps	
2.15.f. Other	
2.16 Graphic file	*Graphic file exists*

Section 3. Toxics: Alternative Release

Scenario 1

Process Name	ISO Ammonia System
3.1 Chemical	
3.1.a. Name	Ammonia (anhydrous)
3.1.b. Percent Weight of Chemical	
3.2 Physical State	Gas liquified by pressure
3.3 Model Used	RMP Comp Version 1.07 program; "Technical Background Document for Offiste Consequence Analysis for Anhydrous Ammoni, Aqueous Ammonia, Chlorine, and Sulfur Dioxide," EPA-550-B99-017
3.4 Scenario	Pipe leak
3.5 Quantity Released (lbs)	26400
3.6 Release Rate (lbs/min)	13
3.7 Release Duration (mins)	2028
3.8 Wind Speed (meters/sec)	3
3.9 Atmospheric stability class	D
3.10 Topography	Urban
3.11 Distance to endpoint (miles)	0.1
3.12 Estimated residential population within distance to endpoint (numbers)	0
3.13 Public receptors within distance to endpoint	
3.13.a. Schools	
3.13.b. Residences	
3.13.c. Hospitals	
3.13.d. Prison/Correctional Facilities	
3.13.e. Recreational Areas	
3.13.f. Major commercial, office or industrial areas	
3.13.g. Other	
3.14 Environmental receptors within distance to endpoint	
3.14.a. National or State Parks, Forests or Monuments	
3.14.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
3.14.c. Federal Wilderness Area	
3.14.d. Other	
3.15 Passive mitigation considered	
3.15.a. Dikes	
3.15.b. Enclosures	
3.15.c. Berms	
3.15.d. Drains	
3.15.e. Sumps	
3.15.f. Other	
3.16 Active mitigation considered	
3.16.a. Sprinkler systems	
3.16.b. Deluge systems	
3.16.c. Water curtain	

Section 3. Toxics: Alternative Release

3.16.d. Neutralization	
3.16.e. Excess flow valve	
3.16.f. Flares	
3.16.g. Scrubbers	
3.16.h. Emergency shutdown systems	
3.16.i. Other	
3.17 Graphic file	*Graphic file exists*

Section 4. Flammables: Worst Case

Scenario 1

Process Name	Bulk Liquid Hydrogen Syst
Chemical	Hydrogen
4.1.a. Chemical Name	Hydrogen
4.2 Model Used	EPA's RMP*Comp(TM)
4.3 Scenario	Vapor Cloud Explosion
4.4 Quantity Released (lbs)	10656
4.5 Endpoint Used	1 PSI
4.6 Distance to endpoint (miles)	0.2
4.7 Estimated residential population within distance to endpoint (numbers)	0
4.8 Public receptors within distance to endpoint	
4.8.a. Schools	
4.8.b. Residences	
4.8.c. Hospitals	
4.8.d. Prison/Correctional Facilities	
4.8.e. Recreational Areas	
4.8.f. Major commercial, office or industrial areas	Y
4.8.g. Other	
4.9 Environmental receptors within distance to endpoint	
4.9.a. National or State Parks, Forests or Monuments	
4.9.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
4.9.c. Federal Wilderness Area	
4.9.d. Other	Guadalupe River
4.10 Passive mitigation considered	
4.10.a. Blast Walls	
4.10.b. Other	
4.11 Graphic file	*Graphic file exists*

Section 5. Flammables: Alternative Release

Scenario 1

Process Name	Bulk Liquid Hydrogen Syst
Chemical	Hydrogen
5.1.a. Chemical Name	Hydrogen
5.2 Model Used	EPA's RMP*Comp(TM)
5.3 Scenario	BLEVE
5.4 Quantity Released (lbs)	10656
5.5 Endpoint Used	1 PSI
5.6 Distance to endpoint (miles)	0.2
5.7 Estimated residential population within distance to endpoint (numbers)	0
5.8 Public receptors within distance to endpoint	
5.8.a. Schools	
5.8.b. Residences	
5.8.c. Hospitals	
5.8.d. Prison/Correctional Facilities	
5.8.e. Recreational Areas	
5.8.f. Major commercial, office or industrial areas	Y
5.8.g. Other	
5.9 Environmental receptors within distance to endpoint	
5.9.a. National or State Parks, Forests or Monuments	
5.9.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
5.9.c. Federal Wilderness Area	
5.9.d. Other	Guadalupe River
5.10 Passive mitigation considered	
5.10.a. Dikes	
5.10.b. Fire walls	
5.10.c. Blast walls	
5.10.d. Enclosures	
5.10.e. Other	
5.11 Active mitigation considered	
5.11.a. Sprinkler systems	
5.11.b. Deluge systems	
5.11.c. Water curtain	
5.11.d. Excess flow valve	
5.11.e. Other	
5.12 Graphic file	*Graphic file exists*

Section 5. Flammables: Alternative Release

Scenario 2

Process Name	Bulk Liquid Hydrogen Syst
Chemical	Hydrogen
5.1.a. Chemical Name	Hydrogen
5.2 Model Used	EPA's RMP*Comp(TM)
5.3 Scenario	Vapor Cloud Explosion
5.4 Quantity Released (lbs)	10656
5.5 Endpoint Used	1 PSI
5.6 Distance to endpoint (miles)	0.2
5.7 Estimated residential population within distance to endpoint (numbers)	0
5.8 Public receptors within distance to endpoint	
5.8.a. Schools	
5.8.b. Residences	
5.8.c. Hospitals	
5.8.d. Prison/Correctional Facilities	
5.8.e. Recreational Areas	
5.8.f. Major commercial, office or industrial areas	Y
5.8.g. Other	
5.9 Environmental receptors within distance to endpoint	
5.9.a. National or State Parks, Forests or Monuments	
5.9.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
5.9.c. Federal Wilderness Area	
5.9.d. Other	Guadalupe River
5.10 Passive mitigation considered	
5.10.a. Dikes	
5.10.b. Fire walls	
5.10.c. Blast walls	
5.10.d. Enclosures	
5.10.e. Other	
5.11 Active mitigation considered	
5.11.a. Sprinkler systems	
5.11.b. Deluge systems	
5.11.c. Water curtain	
5.11.d. Excess flow valve	
5.11.e. Other	
5.12 Graphic file	*Graphic file exists*

Section 5. Flammables: Alternative Release

Scenario 3

Process Name	Bulk Liquid Hydrogen Syst
Chemical	Hydrogen
5.1.a. Chemical Name	Hydrogen
5.2 Model Used	Aloha
5.3 Scenario	Flammable Area of Vapor Cloud (60%)
5.4 Quantity Released (lbs)	9960
5.5 Endpoint Used	Lower flammability limit
5.6 Distance to endpoint (miles)	0.07
5.7 Estimated residential population within distance to endpoint (numbers)	0
5.8 Public receptors within distance to endpoint	
5.8.a. Schools	
5.8.b. Residences	
5.8.c. Hospitals	
5.8.d. Prison/Correctional Facilities	
5.8.e. Recreational Areas	
5.8.f. Major commercial, office or industrial areas	
5.8.g. Other	
5.9 Environmental receptors within distance to endpoint	
5.9.a. National or State Parks, Forests or Monuments	
5.9.b. Officially Designated Wildlife Sanctuaries, Preserves or Refuges	
5.9.c. Federal Wilderness Area	
5.9.d. Other	
5.10 Passive mitigation considered	
5.10.a. Dikes	
5.10.b. Fire walls	
5.10.c. Blast walls	
5.10.d. Enclosures	
5.10.e. Other	
5.11 Active mitigation considered	
5.11.a. Sprinkler systems	
5.11.b. Deluge systems	
5.11.c. Water curtain	
5.11.d. Excess flow valve	
5.11.e. Other	
5.12 Graphic file	*Graphic file exists*

Section 6. Five-Year Accident History

Accident 1

6.1 Date of accident		10/17/2013		
6.2 Time accident began		5:42 AM		
6.3 NAICS Code of process involved		334413 (Semiconductor and Related Device Manufacturing)		
6.4 Release duration		0 Hours 40 Mins		
6.5 Chemicals involved				
	Chemical Name	**CAS Number**	**Quantity released (lbs)**	**Percent weight of chemical**
	Hydrogen	1333-74-0	1	
6.6 Release Event				
6.6.a. Gas release		Y		
6.6.b. Liquid spills/evaporation				
6.6.c. Fire		Y		
6.6.d. Explosion		Y		
6.6.e. Uncontrolled/Runaway reaction				
6.7 Release Source				
6.7.a. Storage vessel				
6.7.b. Piping				
6.7.c. Process vessel				
6.7.d. Transfer hose				
6.7.e. Valve				
6.7.f. Pump				
6.7.g. Joint				
6.7.h. Other		Valves opened that where supposed to be closed - High H2 in exhaust system		
6.8 Weather conditions at time of event				
6.8.a. Wind speed and direction				
6.8.b. Temperature (F)				
6.8.c. Atmospheric stability class				
6.8.d. Precipitation present				
6.8.e. Unknown weather conditions		Y		
6.9 On-site Impacts				
	Employees or contractors	**Public responders**	**Public**	
6.9.a. Deaths	0	0	0	
6.9.b. Injuries	0	0	0	
6.9.c. Property damage ($)	10000			
6.10 Known off-site impacts				
6.10.a. Deaths		0		
6.10.b. Hospitalizations		0		
6.10.c. Other medical treatments		0		
6.10.d. Evacuated		0		
6.10.e. Sheltered-in-place		0		
6.10.f. Property damage ($)		0		

Section 6. Five-Year Accident History

6.10.g. Environmental damage	
6.10.g.1. Fish or animal kills	
6.10.g.2. Tree, lawn, shrub or crop damage	
6.10.g.3. Water contamination	
6.10.g.4. Soil contamination	
6.10.g.5. Other	
6.11 Initiating event	Human error
6.12 Contributing factors	
6.12.a. Equipment failure	
6.12.b. Human error	
6.12.c. Improper procedures	Y
6.12.d. Overpressurization	
6.12.e. Upset condition	
6.12.f. By-pass condition	
6.12.g. Maintenance activity/inactivity	
6.12.h. Process design failure	Y
6.12.i. Unsuitable equipment	
6.12.j. Unusual weather conditions	
6.12.k. Management error	
6.12.l. Other	
6.13 Off-site responders notified	Notified and Responded
6.14 Changes introduced as a result of the accident	
6.14.a. Improved/upgraded equipment	Y
6.14.b. Revised maintenance	Y
6.14.c. Revised training	Y
6.14.d. Revised operating procedures	Y
6.14.e. New process controls	
6.14.f. New mitigation systems	Y
6.14.g. Revised emergency response plan	
6.14.h. Changed process	Y
6.14.i. Reduced inventory	
6.14.j. None	
6.14.k. Other	

Section 7. Prevention Program: Program Level 3

Program 1

Prevention Program Description: Bulk Liquid Hydrogen System	
7.1 NAICS Code for process	
7.1.a. Process Name	1000090681 (Bulk Liquid Hydrogen Syst)
7.1.b. NAICS	334413 (Semiconductor and Related Device Manufacturing)
7.2 Chemicals	
Hydrogen	
7.3 Date on which the safety information was last reviewed or revised	08/28/2018
7.4 Process Hazard Analysis (PHA)	
7.4.a. Date of last PHA or PHA update	08/01/2018
7.4.b. Technique used	
7.4.b.1. What if	Y
7.4.b.2. Checklist	
7.4.b.3. What if/Checklist Combined	
7.4.b.4. HAZOP	Y
7.4.b.5. Failure mode & effects analysis	
7.4.b.6. Fault tree analysis	
7.4.b.7. Other	
7.4.c. Expected or actual date of completion of all changes resulting from last PHA or PHA update	08/28/2018
7.4.d. Major hazards identified	
7.4.d.1. Toxic release	
7.4.d.2. Fire	Y
7.4.d.3. Explosion	Y
7.4.d.4. Runaway reaction	
7.4.d.5. Polymerization	
7.4.d.6. Overpressurization	Y
7.4.d.7. Corrosion	
7.4.d.8. Overfilling	Y
7.4.d.9. Contamination	
7.4.d.10. Equipment failure	Y
7.4.d.11. Loss of cooling, heating, electricity, instrument air	
7.4.d.12. Earthquake	Y
7.4.d.13. Floods	
7.4.d.14. Tornado	
7.4.d.15. Hurricanes	
7.4.d.16. Other	
7.4.e. Process controls in use	
7.4.e.1. Vents	Y
7.4.e.2. Relief valves	Y
7.4.e.3. Check valves	Y
7.4.e.4. Scrubbers	

Section 7. Prevention Program: Program Level 3

7.4.e.5. Flares	
7.4.e.6. Manual shutoffs	Y
7.4.e.7. Automatic shutoffs	Y
7.4.e.8. Interlocks	Y
7.4.e.9. Alarms and procedures	Y
7.4.e.10. Keyed bypass	
7.4.e.11. Emergency air supply	
7.4.e.12. Emergency power	Y
7.4.e.13. Backup pump	
7.4.e.14. Grounding equipment	Y
7.4.e.15. Inhibitor additions	
7.4.e.16. Rupture disks	Y
7.4.e.17. Excess flow device	Y
7.4.e.18. Quench system	
7.4.e.19. Purge system	
7.4.e.20. None	
7.4.e.21. Other	
7.4.f. Mitigation systems in use	
7.4.f.1. Sprinkler system	
7.4.f.2. Dikes	
7.4.f.3. Fire walls	
7.4.f.4. Blast walls	
7.4.f.5. Deluge system	
7.4.f.6. Water curtain	
7.4.f.7. Enclosure	
7.4.f.8. Neutralization	
7.4.f.9. None	Y
7.4.f.10. Other	
7.4.g. Monitoring/detection systems in use	
7.4.g.1. Process area detectors	Y
7.4.g.2. Perimeter monitors	
7.4.g.3. None	
7.4.g.4. Other	
7.4.h. Changes since last PHA update	
7.4.h.1. Reduction in chemical inventory	
7.4.h.2. Increase in chemical inventory	
7.4.h.3. Change in process parameters	
7.4.h.4. Installation of process controls	
7.4.h.5. Installation of process detection systems	
7.4.h.6. Installation of perimeter monitoring systems	
7.4.h.7. Installation of mitigation systems	
7.4.h.8. None recommended	
7.4.h.9. None	Y
7.4.h.10. Other	
7.5 Date of most recent review or revision of operating procedures	08/28/2018

Section 7. Prevention Program: Program Level 3

7.6 Training	
7.6.a. Date of most recent review or revision of training programs	08/28/2018
7.6.b. Type of training provided	
7.6.b.1. Classroom	Y
7.6.b.2. On the job	
7.6.b.3. Other	
7.6.c. Type of competency testing used	
7.6.c.1. Written test	
7.6.c.2. Oral test	
7.6.c.3. Demonstration	
7.6.c.4. Observation	Y
7.6.c.5. Other	
7.7 Maintenance	
7.7.a. Date of most recent review or revision of maintenance procedures	08/28/2018
7.7.b. Date of most recent equipment inspection or test	08/28/2018
7.7.c. Equipment most recently inspected or tested (equipment list)	Daily Rounds
7.8 Management of change	
7.8.a. Date of most recent changes that triggered management of change procedures	
7.8.b. Date of most recent review or revision of management of change procedures	10/01/2016
7.9 Date of most recent pre-startup review	12/12/2013
7.10 Compliance audits	
7.10.a. Date of most recent compliance audits	08/28/2018
7.10.b. Expected or actual date of completion of all changes resulting from the most recent compliance audits	08/28/2018
7.11 Incident investigation	
7.11.a. Date of most recent incident investigation	11/11/2013
7.11.b. Expected or actual date of completion of all changes resulting from the incident investigation	12/31/2013
7.12 Date of most recent review or revision of employee participation plans	08/28/2018
7.13 Date of most recent review or revision of hot work permit procedures	06/04/2015
7.14 Date of most recent review or revision of contractor safety procedures	06/19/2017
7.15 Date of most recent evaluation of contractor safety performance	08/28/2018

Section 7. Prevention Program: Program Level 3

Program 2

Prevention Program Description: Bulk (ISO) ammonia system	
7.1 NAICS Code for process	
7.1.a. Process Name	1000090680 (ISO Ammonia System)
7.1.b. NAICS	334419 (Other Electronic Component Manufacturing)
7.2 Chemicals	
Ammonia (anhydrous)	
7.3 Date on which the safety information was last reviewed or revised	08/28/2018
7.4 Process Hazard Analysis (PHA)	
7.4.a. Date of last PHA or PHA update	08/06/2015
7.4.b. Technique used	
7.4.b.1. What if	Y
7.4.b.2. Checklist	Y
7.4.b.3. What if/Checklist Combined	
7.4.b.4. HAZOP	Y
7.4.b.5. Failure mode & effects analysis	
7.4.b.6. Fault tree analysis	
7.4.b.7. Other	
7.4.c. Expected or actual date of completion of all changes resulting from last PHA or PHA update	12/31/2015
7.4.d. Major hazards identified	
7.4.d.1. Toxic release	Y
7.4.d.2. Fire	Y
7.4.d.3. Explosion	
7.4.d.4. Runaway reaction	
7.4.d.5. Polymerization	
7.4.d.6. Overpressurization	Y
7.4.d.7. Corrosion	
7.4.d.8. Overfilling	
7.4.d.9. Contamination	
7.4.d.10. Equipment failure	Y
7.4.d.11. Loss of cooling, heating, electricity, instrument air	Y
7.4.d.12. Earthquake	Y
7.4.d.13. Floods	Y
7.4.d.14. Tornado	
7.4.d.15. Hurricanes	
7.4.d.16. Other	human error
7.4.e. Process controls in use	
7.4.e.1. Vents	Y
7.4.e.2. Relief valves	Y
7.4.e.3. Check valves	Y
7.4.e.4. Scrubbers	Y

Section 7. Prevention Program: Program Level 3

7.4.e.5. Flares	
7.4.e.6. Manual shutoffs	Y
7.4.e.7. Automatic shutoffs	Y
7.4.e.8. Interlocks	Y
7.4.e.9. Alarms and procedures	Y
7.4.e.10. Keyed bypass	
7.4.e.11. Emergency air supply	
7.4.e.12. Emergency power	Y
7.4.e.13. Backup pump	
7.4.e.14. Grounding equipment	Y
7.4.e.15. Inhibitor additions	
7.4.e.16. Rupture disks	Y
7.4.e.17. Excess flow device	Y
7.4.e.18. Quench system	
7.4.e.19. Purge system	Y
7.4.e.20. None	
7.4.e.21. Other	Pressure relief valves
7.4.f. Mitigation systems in use	
7.4.f.1. Sprinkler system	Y
7.4.f.2. Dikes	
7.4.f.3. Fire walls	
7.4.f.4. Blast walls	
7.4.f.5. Deluge system	
7.4.f.6. Water curtain	
7.4.f.7. Enclosure	
7.4.f.8. Neutralization	
7.4.f.9. None	
7.4.f.10. Other	Enclosure around bulk ammonia system area; emergency abatement equipment
7.4.g. Monitoring/detection systems in use	
7.4.g.1. Process area detectors	Y
7.4.g.2. Perimeter monitors	
7.4.g.3. None	
7.4.g.4. Other	alarms
7.4.h. Changes since last PHA update	
7.4.h.1. Reduction in chemical inventory	
7.4.h.2. Increase in chemical inventory	
7.4.h.3. Change in process parameters	
7.4.h.4. Installation of process controls	
7.4.h.5. Installation of process detection systems	
7.4.h.6. Installation of perimeter monitoring systems	
7.4.h.7. Installation of mitigation systems	
7.4.h.8. None recommended	
7.4.h.9. None	Y
7.4.h.10. Other	

Section 7. Prevention Program: Program Level 3

7.5 Date of most recent review or revision of operating procedures	08/28/2018
7.6 Training	
7.6.a. Date of most recent review or revision of training programs	08/28/2018
7.6.b. Type of training provided	
7.6.b.1. Classroom	Y
7.6.b.2. On the job	Y
7.6.b.3. Other	
7.6.c. Type of competency testing used	
7.6.c.1. Written test	
7.6.c.2. Oral test	
7.6.c.3. Demonstration	Y
7.6.c.4. Observation	Y
7.6.c.5. Other	
7.7 Maintenance	
7.7.a. Date of most recent review or revision of maintenance procedures	08/28/2018
7.7.b. Date of most recent equipment inspection or test	08/28/2018
7.7.c. Equipment most recently inspected or tested (equipment list)	Bulk Ammonia: Training event - includes the run through of the equipment with maintenance.
7.8 Management of change	
7.8.a. Date of most recent changes that triggered management of change procedures	09/21/2017
7.8.b. Date of most recent review or revision of management of change procedures	10/01/2016
7.9 Date of most recent pre-startup review	04/03/2017
7.10 Compliance audits	
7.10.a. Date of most recent compliance audits	08/28/2018
7.10.b. Expected or actual date of completion of all changes resulting from the most recent compliance audits	09/14/2018
7.11 Incident investigation	
7.11.a. Date of most recent incident investigation	
7.11.b. Expected or actual date of completion of all changes resulting from the incident investigation	
7.12 Date of most recent review or revision of employee participation plans	08/28/2018
7.13 Date of most recent review or revision of hot work permit procedures	06/04/2016
7.14 Date of most recent review or revision of contractor safety procedures	06/19/2017
7.15 Date of most recent evaluation of contractor safety performance	08/28/2018

Section 9. Emergency Response

9.1 Written emergency response (ER) plan	
9.1.a. Is your facility included in the written community emergency response plan?	Y
9.1.b. Does your facility have its own written emergency response plan?	Y
9.2 Does your facility's ER plan include specific actions to be taken in response to accidental releases of regulated substances?	Y
9.3 Does your facility's ER plan include procedures for informing the public and local agencies responding to accidental releases?	Y
9.4 Does your facility's ER plan include information on emergency health care?	Y
9.5 Date of most recent review or update of your facility's ER plan	08/27/2018
9.6 Date of most recent ER training for your facility's employees	08/28/2018
9.7 Local agency with which your facility's ER plan or response activities are coordinated	
9.7.a. Name of agency	San Jose Fire Department
9.7.b. Phone number	(408) 227-8950
9.8 Subject to	
9.8.a. OSHA Regulations at 29 CFR 1910.38	Y
9.8.b. OSHA Regulations at 29 CFR 1910.120	Y
9.8.c. Clean Water Act Regulations at 40 CFR 112	Y
9.8.d. RCRA Regulations at 40 CFR 264, 265, 279.52	Y
9.8.e. OPA-90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, 30 CFR 254	Y
9.8.f. State EPCRA Rules of Laws	Y
9.8.g. Other	8 CCR 3220, 22 CCR 66265.50-.56

Executive Summary

Accidental release prevention and emergency response policies:
Philips Lumileds maintains a high degree of surety and preventive design in handling hazardous materials related to our operations. Philips has global policies related to the Health and Safety of employees, sustainable operations within the community both locally and globally, as well as Environmental Policies outlining the commitment to pollution prevention
Philips Lumileds is committed to maintaining a safe work environment. The EHS Department for the Philips Lumileds San Jose site ensures that safe practices are followed in operations involving hazardous materials. This site has well-established emergency procedures and an active Emergency Response Team to ensure rapid and appropriate response to hazardous material emergencies, including response to emergencies related to the regulated substances covered by this RMP. This team has participated with the gas supplier in joint drills to practice the use of the emergency response equipment that is specific to the bulk ammonia ISO modules and bulk liquid hydrogen system. On a periodic basis, Philips hosted the local engine companies, as well as the San Jose Hazardous Incidence Team to tour the facility and become familiar with the operations, emergency equipment and response capabilities from the on-site response team. The site has written evacuation, reporting, and response procedures in place to protect Philips Lumileds employees, the public, and the environment in the event of a hazardous material release.

Facility Description and Regulated Substances Handled:
This facility is located at 370 West Trimble Road in San Jose, California. With operations in two buildings and an additional support building, the overall facility consists of a little over half a million square feet on a campus of 84 acres.
This facility is a light emitting diode (LED) manufacturing and R&D operation with the production capacity for billions of lamps annually. Supporting this end, significant quantities of anhydrous ammonia are used in the process of growing Indium Gallium Nitride upon sapphire substrates. The InGaN is the basis for the green to blue frequencies of light as well as the phosphor converted white, soft white and amber colors. The ammonia is the nitrogen source for this process. The hydrogen is used as a carrier gas.

Accidental release prevention steps:
The operations of this facility are regulated by agencies across the spectrum of jurisdiction: City, County, Special Districts, State, and Federal. From local building & fire codes, to California hazardous waste treatment and storage requirements up to Federal transportation, OSHA, and EPA requirements. The bulk of the engineering and effort have been in the upfront preventive measures to minimize the release of and control release emissions of all hazardous materials, but with particular attention paid to the bulk ammonia distribution system and bulk hydrogen distribution systems. Some of the engineering controls built into the system include fully welded lines, exhausted enclosures for all mechanical fittings, gas monitoring, excess flow shutoff, restrictive flow orifices, emergency ammonia abatement equipment, dedicated specialized emergency response equipment, as well as training, operational procedures and a preventive maintenance program.

Five year accident history:
There has been one incident involving hydrogen in the last 5 years, resulting in an explosion of 0.2 lbs of hydrogen, this incident was contained onsite with no off-site consequences. There have been no accidental releases related to the ammonia processes covered by this RMP.

Emergency response program:
In addition to engineering controls designed to avoid single component point of failure leading to a release, and the stand by emergency abatement solution, this facility maintains an on-site emergency response team (ERT) trained and equipped to deal with a failure of the containment. The team has been trained by the manufacturer on how to install the emergency containment cap to contain any leaks from the valve assembly at the top of the tank. Because the operations are working 24/7, all shifts are represented on the ERT, with fully functional response capabilities at any time of day or night. The team is trained on a monthly basis with drills conducted once a quarter.

County of Santa Clara

Environmental Resources Agency
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300, San Jose, CA 95112-2716
(408) 918-3400; Fax (408) 280-6479; www.EHinfo.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM REGISTRATION FORM

This form supplements information collected on the Unified Program Consolidated Form (UPCF) Business Activities and Business Owner/Operator Identification pages of your facility's Hazardous Materials Business Plan (HMBP). Please include copies of those two pages from your current HMBP when you submit this form.

A. Facility Information

Facility Name (DBA): Lumileds LLC

Name of Corporate Parent Company (if applicable): Apollo Global Management

Dun & Bradstreet Number of Corporate Parent Company (if applicable): 962-51-9000

Facility Latitude: 37:22:58 764N Longitude: 121:56:1 810E Number of Full Time Employees at Facility: 625

E-Mail Address of Primary Emergency Contact: mitchell.cole@lumileds.com

Date of Last Safety Inspection by a Federal, State, or Local Government Agency: July 23, 2018

Name of Agency Which Conducted Safety Inspection: San Jose Fire Department

Name of Contractor Who Helped or Will Help Prepare RMP: Otis Institute & Air Products

Contractor Mailing Address: 1026 Folsom Street, Unit 10, San Francisco, CA 94103 Phone No.: (415) 992-7458

Person or Position with Overall Responsibility for RMP Elements and Implementation

Name: Mitch Cole

Title/Position: Environmental Engineer

Phone No.:(408) 964-2562

- Is This Facility Subject to Section 5189 of Title 8, California Code of Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to Part 355 of Title 40, Code of Federal Regulations? ☒ Yes; ☐ No
- Is This Facility Subject to an Operating Permit Under Title V of the Clean Air Act? ☐ Yes; ☒ No

B. Regulated Substance List

(Note: Additional space is provided on reverse of this page.)

Name of Regulated Substance Held Above the Threshold Quantity in the Process	CAS Number	Maximum Quantity in Pounds (to 2 significant digits)*	SIC Code	Program Level of Process
Ammonia (anhydrous)	7664-41-7	110,000 (bulk tanks)	3674	3
Hydrogen	4368-28-9	11,245**	3674	3

* Only the weight of the regulated toxic substance in the mixture is considered, not the weight of the entire mixture.

**** At Zero PSI (11245# = the maximum the tank can hold). At operational pressure: 96 psi: 8764 Pounds total.**

C. Certification

I, the owner or operator of the aforementioned facility, hereby certify that the registration information provided above and in the attached Unified Program Consolidated Form pages is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name *(Print)*: Mitch Cole

Owner/Operator Signature: _____ Date Executed: August 29, 2018

San Jose Business Activity Document (SJ BAD)

Facility Information FA 0752744 ☐ New ☐ Update All ☑ Update Highlighted

Facility Name: Philips Lumileds Lighting Company LLC

Site Address: 370 W. Trimble Rd. San Jose, CA 95131 Bldg 90

Emerg/Environ Contact: Mitch Cole Phone: (408) 964-2562

Title: ENVIRONMENTAL ENGINEER Email:

Business Owner OW 0153753 ☐ New ☐ Update All ☑ Update Highlighted

Owner Name: Philips Lumileds Lighting Company LLC Phone: (408) 964-5300

Mailing Address: 370 W. Trimble Rd. San Jose, CA 95131

Business Code: ☐ Individual ☐ Partnership ☑ Corp/LLC ☐ Local Agency ☐ Other:

Billing and Permit Information AR _____ ☐ New ☐ Update All ☑ Update Highlighted

Send invoices/permits to mailing address of: ☐ Facility ☐ Owner ☐ Billing Address (below)

Billing Care of: Mitch Cole Phone: (408) 964-2562

Billing Address: 370 W. Trimble Rd. San Jose, CA 95131

Program Information Permit Exp. Date _____

☑ HMBP #Rpt Chemicals: 47 Last HMIRRP Date: 3/5/10 PE BP05 PR 0397494

2/01/13 PE BP09 #Units 4

☑ APSA Fac. Type: ☐ SPCC Exempt ☐ <10K gal ☑ 10-50K gal ☐ 50K+ gal PE 2012 PR 379589

☑ UST #Tanks: 1 PE 2359

☐ Cal APR PE _____ PR _____

☑ HW Generator Qty/yr: 110 tons ☑ RCRA LQG PE LQ08 PR 367434

☑ HW Treatment Tier: ☐ PBR ☐ CA ☐ CE PE 2201 PR _____

☐ HW Recycler Qty/mo: _____ PE _____ PR _____

Paperwork

☑ Scan attached HMBP[1] ☐ Split / merge / rename HMBP in Unprocessed eDocs[1]

☐ HMBP already processed and available at[2]: ☐ eDocs ☐ File ☐ Other:

Files: ☐ No file currently exists for this facility ☐ Existing file(s) attached ☐ Please locate existing file(s)

[1] Clerical staff responsible for making and mailing ER copy of HMBP.

[2] Inspection staff responsible for making ER copy of HMBP and placing it in the appropriate basket for mailing.

Comments: _____

Prepared by: Ric Gatdula **Date:** 3/2/2012

Senior/Manager Initials: _____ **Date:** 3/5/12

Input by: _____ **Date:** MAR 08 2012

FA0252744_CORRES_2014-02-13

Governor's Office Emergency Services

Hazardous Materials Spill Report

DATE: 02/13/2014 TIME: 0651	RECEIVED BY:	CONTROL#: Cal OES - **14-0871** NRC -

1.a. PERSON NOTIFYING Cal OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
	Phillips Lumileds Lighting Co			

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<*Amount*	*Measure*	c. TYPE:	d. OTHER:	e. PIPELINE	f. VESSEL >= 300 Tons
1. Water Vapor	< 1	Lbs.	OTHER	Water	No	No
2.	=				No	No
3.	=				No	No

g. DESCRIPTION: ** HISTORICAL ** 10/17/2013 An unanticipated combustion of hydrogen caused a release of water vapor. This was in the process of diluting the hydrogen. A couple of grams of Trimethyl Gallium sparked due to operator error, a valve was not used properly. The building was evacuated as a precaution for about an hour, no injuries or exposures reported.

h. CONTAINED:	i. WATER INVOLVED:	j. WATERWAY:	k. DRINKING WATER IMPACTED
Unknown	No		

l. KNOWN IMPACT

3. a. INCIDENT LOCATION: 370 West Trimble Road

b. CITY:	c. COUNTY:	d. ZIP:	
San Jose	Santa Clara County	95131	BAY AREA AQMD

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME *(Military)*:	c. SITE:	d. CAUSE
10/17/2013	0542	Other **Description for Other :** Semi conductor Manufacturing	Human Error

e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
No	No	Yes Evacs #: 50	Unrecoverable

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:
Fire Dept.		911

d. ADMIN. AGENCY: Santa Clara County Department of Environmental Health

e. SEC. AGENCY:

f. ADDITIONAL COUNTY:

g. ADMIN. AGENCY:

h. NOTIFICATION LIST:

DOG Unit:

RWQCB Unit: 2

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, Co/E-Hlth

********* Control No: 14-0871 *********

Created by: Warning Center on: 02/13/2014 06:51:53 AM Last Modified by: Warning Center on: 02/13/2014 07:04:21 AM

Incident Report - Philips Lumileds Lighting – San Jose, CA
Explosion – Scrubbed Exhaust System

Date of Incident: 10/17/13
Revision: 007
Revision Date: 2/4/14
Incident: **Explosion – Scrubbed Exhaust System**

10.0 Team Members:

Mitch Cole, Joyce Gee, Mike Frey, Mike Ansberry, Steven Wolf, Ramnath Pai, Dan Janowski, Eric Dugdale, Allan Mattson, Jeff Kindred, Line Maintenance Team

2.0 Define Problem:

An explosion occurred in the scrubbed exhaust ductwork system, at the interstitial level which resulted in damage to the scrubbed exhaust ductwork, adjacent supply air, and general exhaust ductwork. Significant damage to large sections of ductwork resulted causing a drop in Scrubbed Exhaust (SE) system static pressure, aborts on a number of AlInGaP Reactors. This resulted in two scrapped lots and approximately 16 hours of downtime to all AlInGaP epi production and longer on two additional reactors.

3.0 Problem Statement:

Hydrogen and OM source levels within the scrubbed exhaust ductwork reached combustive and explosive levels which resulted in a sudden release of energy.

4.0 Goals of Problem Investigation:

- Describe the incident – what exactly happened
- Determine root cause of incident
- Take immediate action to minimize risk of a recurrence
- Identify and implement (failsafe if possible) solution
- Standardize and propagate solution to entire organization / facility

5.0 Current Situation:

- Scrubbed exhaust system repaired and back to previous static pressure level as of 8:00PM 10/17
- All AlInGap reactors released to production with exception of P1 & P2.
- Reactors P1 & P2 expected release by 4:00 PM 10/18 (100% operational)
- Damaged Supply air system ductwork capped and 70% of supply air restored by 4:00PM 10/17.
- Supply air duct repairs will be complete by 2:30PM 10/18 and 100% of supply air restored.

6.0 Chronology:

- **10/17 0542** – SRC received alarm on the Life Safety System for BB reactor. The alarm was for B1274 BB EXHAUST 1 FLOW SWITCH (PHOTHELIC), B1275 BB EXHAUST 2 FLOW SWITCH (PHOTHELIC) and B11959 B91 FIRE SYSTEM witch evacuated the first floor fab
- **Simultaneously** – the fire panel for building 91 went into alarm for 20 different smoke detectors . The detectors are L2M06 1ME6, L2S13 1MF9, L2SO6 1MFD9, L2S11 1MF6, L2S12 1MF7, L2S20 1MG9, L2S19 1MG7, L2S04 1MD6, L2S05 1MD7, L2S21 1MG10, L2S26 1MJ7, L2S18 1MG6, L2S25 1MJ6, L2S28 1MJ10, L2S32 IMK7, L2S17 IMG5, L2S33 1MK9, L2S09 1MF4. Security Officer Fred Arredondo contacted Lead Technician Danny Ramirez and informed him of

the alarms with the BB reactor.S/O Arredondo then immediately called emergency line 2222 to report the alarms.

- **10/17 0545** – S/O Arredondo called EHS engineer Mitch Cole and Facilities manager Eric Dugdale and informed them of the situation.
- **10/17 0602** – Mitch Cole requested for S/O Arredondo to contact 911 to have San Jose Fire Department dispatched to site. S/O Arredondo then dispatched security officer Myo Htoo to the main gate entry of site to direct SJFD to B6 employee entrance of building 91.
- **10/17 0614** – S/O Htoo reported to SRC that SJFD engine T29 was arriving on site and he will be escorting them to B6 employee entrance to meet with Mitch Cole and Eric Dugdale. Att approximately 0620 S/O Htoo and Fire Captain Doan arrived at B6 employee entrance and walk through to area of incident at column 11F8.
- **10/17 0657** – S/O Htoo reported to the SRC that SJFD was leaving the site.
- **10/17 0700** – Automatic Hydrogen shut down to most reactors, remaining H2 shut down to other reactors in area.
- **10/17 0800** – Smoke in interstitial mostly dissipated, damage assessment initiated, root cause analysis initiated.

7.0 Summary of Initial Containment:

- Determined no impact to personnel
- Shut off Hydrogen supplies to equipment venting into the duct system
- Confirmed no active fire
- Determined no immediate or on-going health hazards to personnel and contractors
- Completed damage assessment
- Began root cause analysis

8.0 Root Cause Analysis:

8.1 Investigation Factors:

- Investigation of scrubbed exhaust ductwork system and locations of damage
- Determination of equipment feeding into duct system
- Determination of the configuration of ductwork which exploded (lack of dilution air)
- Determination of what activities were underway prior to the event
- Review of life safety system data logging (scrubbed exhaust pressure)
- Review of equipment logs and error alarms

8.2 Root Cause Determination "5-Why" Technique:

Q1: **Why did the duct explode?**
A1: There was a significant build-up of flammable/explosive materials in the duct

Q2: **Why was there a significant build-up of flammable/explosive materials in the duct?**
A2: There were multiple vent lines feeding into a duct in the interstitial.

Q3: **Why would multiple vent lines feeding into a duct in the interstitial be problematic?**
A3: In almost every situation this would not be a problem, but in this case there was a deadleg in the duct allowing for accumulation of materials.

Q4: **Why was there a deadleg?**

A4: After equipment demolitions the duct which used to ventilate that equipment was capped disrupting the airflow.

Q5: **This deadleg has existed for many years with no issues. What was different about this event?**
A5: There was a source change on P2 in which two valves were incorrectly opened at the same time.

Q6: **Why did this lead to an explosion?**
A6: With these two valves open at the same time there is a potential for metal organic to flow to the interstitial ductwork. This would normally not cause significant damage. However with duct configuration having a deadleg with the potential for the collection of flammable/explosive materials we were open to the possible of severe damage.

Q7: **Why were the two valves opened at the same time?**
A7: Technician thought he closed the valves that were supposed to be closed. This was confirmed with employee meeting after the event. However, the valves were NOT closed.

Q8: **Why did the technician forget? Were procedures in place to make sure the closing the valves is not left up to solely having someone remember to close them?**
A8: Procedures are in place that have been followed many (thousands) of times over the years. These procedures include a checklist with a line item calling for all valves to be closed. This line item was checked off by the technician performing the job. The technician doing the job knows he checked this line item off as complete and fully believes that we did close the valves. However we know the valves were open.

8.3 Root Cause Determination:

The team determined that this was a two part root cause, as the explosion could not have occurred without both of the following factors being present:

Item	Possible Root Cause	Probability	Evidence / Reasons / Findings
1A	Inadequate dilution air supply to duct section which Hydrogen was being vented into. (See Appendix 12.1)	High / Confirmed	Inspection of ductwork confirmed "dead leg", end of duct had been capped off after tool removal some time ago (several years earlier).
1B	TMGa bubbler valves not closed during evacuation for a source change maintenance activity.	High / Confirmed	Valve positions checked and source valves confirmed open.

9.0 Action Items during the Investigation:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Complete repairs in order to restore supply air and exhaust systems to full operation	No	Steven Wolf	10/18/13	**COMPLETE** 10/18/13	Partial restoration in 24 hrs, full restoration – 48 hrs.
2	All facilities personnel informed of the significance of these issues	No	Dan Janowski	10/18/13	**COMPLETE** 10/18/13	Emergency department meeting held to discuss & brainstorm solutions
3	Review incident with all shifts – focusing on what happened and what could have happened	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	Day2/Night2 done same day as event. Phone calls made to Night1. D1/N1 done as soon as they returned the following week.
4	No shift is allowed to perform a bubbler change until the debrief mentioned above is complete	No	Mike Frey	10/22/13	**COMPLETE** 21OCT2013	This was the first meeting with all shifts as they came on-site.
5	Implement immediate ELCO to Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older updates: ELCO submitted same day and active over the weekend Cannot list as complete since ELCO must be re-issued until Permanent LCO is signed off	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.

Incident Report - Philips Lumileds Lighting – San Jose, CA
Explosion – Scrubbed Exhaust System

10.0 Standardization and Future Plans:

Item	Action Required	Failsafe Solution?	Owner	Forecast Completion	Actual Completion	Comments
1	Survey of all vent lines, dilution boxes, and supporting air flows will be completed and maintained by the facilities engineering group.	No	Steven Wolf	12/31/13	**COMPLETE**	North and south sides of fab surveyed, dead legs identified at two locations, one corrected , 2nd by end Feb. (Rx C2 - OOS)
1A	Tracking of Dilution box vent flows and connected equipment to be included along with capacity tracking effort (Pete picked up from Elly)	No	Peter Christia nson	3/28/14	**CLOSED** Tracking of connected load to DBs will be added to capacity tracking SS.	On-going effort needed to ensure we maintain visibility on DB flows and connected equipment.
1B	Abandoned ductwork identified during survey to be demo'd. Develop plan to remove abandoned ductwork over next 4 quarters.	No	Steven Wolf, Eric Dugdale	12/31/13	**COMPLETE** Much abandoned ductwork has been removed from SW corner of interstitial.	Further activity tracked on Facilities project tracking schedule
1C	Review Dilution box minimum air flows and connected load (PM Greene) to ensure proper flows	No	Peter Christia nson	3/28/14	**CLOSED** Along with 1A above, proposal from PM Greene in progress, This survey will be completed	PMG proposal pending. Will track this to completion via project SS.
1D	Determine which reactors still flow Hydrogen through vent / bleed lines when exhaust is interrupted.	No	Mike Frey	2/1/14	**COMPLETE** Determined all reactors continue to flow H2 through vents after abort.	This risk will be managed through identification of improved labeling of all dilution sources. (see below)
2	All dilution air streams not already labeled will be labeled.	No	Steven Wolf	12/31/13	**CLOSED** All labeling will be complete by end of April	This will be tracked to completion on PM project tracking schedule

3	Investigate Continuous monitoring of critical dilution air flows with alarms to SOC	No	Dan Janowski Steven Wolf	11/15/13 investigation 03/01/14 completion	**COMPLETE** Investigation complete, Plan underway. Steven Wolf is PM for this project.	Continuous DB air flow monitoring will be completed in Q1. Completion of this activity will be tracked via PM project tracking SS
4	Implement Permanent LCO with Work Instruction Update to include double check by second technician on valve position verification	No	Mike Frey	11/30/13	**COMPLETE** Permanent LCO is on floor as of 10/22 Older notes: LCO submitted day after event and is awaiting approval signatures	We will not just look at AlInGaP. We will review source change procedures for all platforms using bubblers.
5	Technician who performed the bubbler change must complete the on-line source training before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (on-line) 10/28	
6	Technician who performed the bubbler change must be recertified by the Lead Technician via OJT before being released to change bubblers again.	No	Mike Frey	10/30/13	**COMPLETE** Technician retrained (OJT) 10/30	
7	Create CAPA in LumiLink for tracking by QA	No	Mike Frey	10/30/13	**COMPLETE** CAPA created and incident report uploaded	10/28 Update: Mike F. has submitted CAPA in Lumilink
8	Investigate feasibility of adding OM Source valve position indicators on valve stems. (See Appendix 13.2)	No	Mike Frey	10/31/13	**COMPLETE** Unfortunately as of 10/13 no solution found	Requested assistance from bubbler manufacturer's
9	Create tool demo coordination checklist to include review of dilution air provided by equipment to be removed	No	Peter Christiansen	10/28/13 11/11/13	**COMPLETE 01NOV2013** including procedural updates	10/28 Update: Pete has submitted first draft. Reviewed by team and comments sent by for revision.

10	Maintain readily available updated drawings and tool connection matrix in facilities office, shop, and employee entrance.	No	Eric Dugdale (Trinae Pauley)	12/15/13	**CLOSED** Initial drawing set to be in place shortly, this will be an ongoing effort to update these drawing.	This will be an ongoing effort to maintain updated and accurate hard-copy documents in these locations going forward.
11	Include hazards of OM source handling in Chem Safety Training sessions	No	Mitch Cole	December 2013 and ongoing	**COMPLETE** (for recert. Training – see below)	Module to be added to existing training to enhance awareness of hazards related to OM source handling.
11B	Hazards of OM sources to be included in initial safety training as well.	No	Joyce Gee		**COMPLETE**	**06NOV2013 update:** Add to annual recert for EHS module
12	Reinforce with PMs and facilities maint. proper investigation of deadlegs and flow prior to cutting into any exhaust ductwork.	No	Dan J	1/22/13	**COMPLETE**	This has been added to the equipment install punchlist.
12	Ensure standardization of and training to work instruction documents via LumiLink.	No	Mike Frey	Ongoing	**COMPLETE** in that systems already in place ensure this will continue to happen	This happens automatically within LumiLink

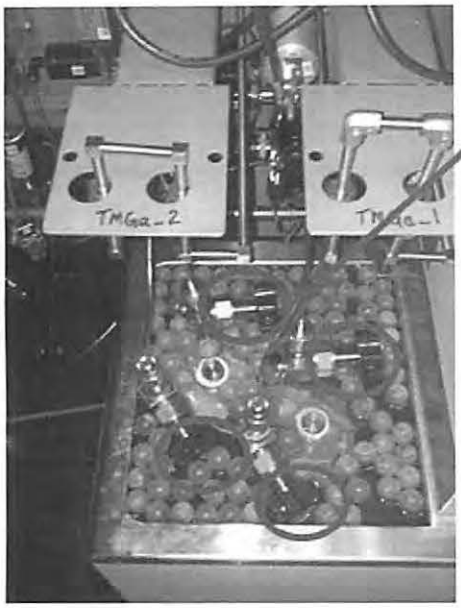
11.0 Check Results:

~~Follow up meeting to review action item status – 1/21/14~~ - CANCELLED

Appendix 12.2

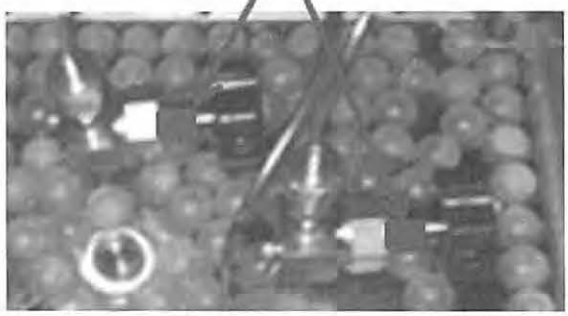
Investigate Valve Position Visual Indicators

TMGa Bubbler valves accidentally left open during evacuation for source change.



Determine if feasible to add valve stem position visual indicators to OM source valves.

Red exposed = "Valve Open"



PHILIPS

CAPAR # 13 091 02 033
YY Year | BBB Bldg. | CC Code | RRR Report

Corrective Action Program

Instructions can be found on the EHS Webpage

Philips Lumileds Corrective and Preventative Action Report

1. Description of Circumstances:
On 10/17/13, at approximately 0542 hoursrs SRC received alarm on the Life Safety System for BB reactor. The alarm was for B1274 BB EXHAUST 1 FLOW SWITCH (PHOTHELIC), B1275 BB EXHAUST 2 FLOW SWITCH (PHOTHELIC) and B11959 B91 FIRE SYSTEM witch evacuated the first floor fabs. Simultaneously the fire panel for building 91 went into alarm for 20 different smoke detectors . The detectors are L2M06 1ME6, L2S13 1MF9, L2SO6 1MFD9, L2S11 1MF6, L2S12 1MF7, L2S20 1MG9, L2S19 1MG7, L2S04 1MD6, L2S05 1MD7, L2S21 1MG10, L2S26 1MJ7, L2S18 1MG6, L2S25 1MJ6, L2S28 1MJ10, L2S32 IMK7, L2S17 IMG5, L2S33 1MK9, L2S09 1MF4. Security Officer Fred Arredondo contacted Lead Technician Danny Ramirez and informed him of the alarms with the BB reactor. S/O Arredondo then immediately called emergency line 2222 to report the alarms. There was no responder available. At 0545 hours S/O Arredondo called EHS engineer Mitch Cole and Facilities manager Eric Dugdale and informed them of the situation. At 0602 hours Mitch Cole requested for S/O Arredondo to contact 911 to have San Jose Fire Department dispatched to site. S/O Arredondo then dispatched security officer Myo Htoo to the main gate entry of site to direct SJFD to B6 employee entrance of building 91.At 0614 hours S/O Htoo reported to SRC that SJFD engine T29 was arriving on site and he will be escorting them to B6 employee entrance to meet with Mitch Cole and Eric Dugdale. Att approximately 0620 S/O Htoo and Fire Captain Doan arrived at B6 employee entrance and walk through to area of incident at column 11E8. At 0657 hours S/O Htoo reported to the SRC that SJFD was leaving the site.

2. Date of Incident:	3.Time of Incident:	4. Location (Bldg., Column #, etc.):
10/17/2013	10/27/2013 5:44	Epi Fab 11F8
5. Report Completed By:		**6. Position:**
Cenobio Madriz		SRC
7. Date of Report:	**8. Telnet:**	**9. Mailstop:**
10/17/2013	964-5300	90LM

10. Downtime greater than 1 hour? ☐ Yes ☐ No (If yes, list the affected areas and/or tools and the amount of time down):

Areas, Equipment, Tools or Processes	Hours	Minutes	Areas, Equipment, Tools or Processes	Hours	Minutes

11. Probable root cause(s). Include information on how the cause was determined.
The ducting involved with the incident had a connection to the purifier bleeds. At 1 lpm, the flow is very low, but at some point in the distant past, this trunk of the exhaust was disconnected from any workstations in the fab. As a dead leg, it simply filled with hydrogen until it reached airflow upstream. Fuel, and oxygen, but no spark. The N2 shift was changing a bubbler on one of the affected reactors, failed to shut all of the bubbler valves. The contents of a bubbler were pulled by vacuum pump and discharged up the vent line. This was the ignition source which detonated the existing hydrogen in the ducting.

12. Corrective action(s).
The explosion ended immediately - as all the fuel was used in an instant. The purifier bleed was discovered at about 9:30 and was still combusting inside of the broken ductwork. The H2 was turned off entirely for Reactor P1 and P2. This terminated the flame.

13. Responsible Person: Allan Mattson 14.Due Date: 10/17/2013 15. Actual Date Completed: 10/17/2013

16. Work Order #, Exception code, or Capar Code:

17. Preventative actions to prevent re-occurrence.
Two parts:
1. Facilities team evaluated all of the exhaust trunks acting as dilutional air for pruge lines, etc to assure the dead leg issue was a fluke. Facilities will also maintain an inventory of dilution air needs and sources within a matrix to assure that concentrations of flammable gases do not exceed 25% of LEL. To prevent the loss of dilutional airflow, the supporting ducts were labeled below the ceiling in the fab.
2. Retraining of personnel regarding the change out of OM sources.

18. Responsible Person: Dan Janowski 19. Due Date: 12/31/2013 20. Actual Date Completed:

Verification of corrective and preventative action(s).

21. Verification Owner: 22. Date:

FA0252744

PHILIPS

Mr. Ruben Williams
Senior Hazardous Materials Specialist
County of Santa Clara
1555 Berger Drive, Suite 300
San Jose, CA 95112

Subject: Company Name Change Date: 2015-03-03

Mr. Williams,

The purpose of this letter is to notify the County of Santa Clara of the name and ownership change associated with the operations at this facility.

The operations at this location will be the same. The date for this change is currently planned for 4/1/2015. The new company name is: Lumileds, LLC. Ownership has not been defined as of the date of this letter.

If there is anything further that you need or have any questions, please send me an email at mitchell.cole@philips.com or give me a call at 408-964-2562.

Best Regards,

Mitchell Cole
Environmental Engineer

Philips Lumileds Lighting Company
370 West Trimble Road, San Jose, California 95131, USA, Tel +1 (408) 964-2562 Fax www.philipslumileds.com

County of Santa Clara

Department of Environmental Health
Hazardous Materials Compliance Division (HMCD)
Hazardous Materials Program
1555 Berger Drive, Suite 300
San Jose, California 95112-2716
(408)918-3400; Fax (408)280-6479
www.EHinfo.org/hazmat

February 18, 2020

Mr. Mitch Cole
Lumileds Lighting Company LLC
370 West Trimble Road
San Jose CA 95131

Reference: 5-Year Updated Risk Management Plan

Dear Mr. Cole:

Your facility currently has an active Risk Management Plan (RMP) on file with our agency for California Accidental Release Prevention Program 3 for the chemical Anhydrous Ammonia and Hydrogen Gas used or stored at your facility that exceeds the Federal threshold and as part of this program under the California Code of Regulations (CCR), Title 19, Section 2745.10 the owner or operator of a stationary source shall revise and update the RMP submitted under Section 2745.1 within 5 years of its last submission.

Your last Program 3 RMP submission date was on December 16, 2013 with amendments submitted in Fiscal year 2015 and your next 5-year updated RMP submission was due on May 27, 2018.

Do not forget to update the Process Hazard Analysis (PHA) and the Seismic Assessment for your facility.

Let us know in 10 days advance when you are going to do the PHA for your facility so we may attend.

This letter serves as reminder of your above requirements. If you have any questions please contact Senior Hazardous Materials Specialist Ruben Williams at 408-918-1985 or e-mail: ruben.williams@cep.sccgov.org.

Sincerely yours,

Ruben Williams

Ruben Williams
Senior Hazardous Materials Specialist
Hazardous Materials Compliance Division

Board of Supervisors: Mike Wasserman, Cindy Chavez, Dave Cortese, Ken Yeager, S. Joseph Simitian
County Executive: Jeffrey V. Smith

County of Santa Clara
Department of Environmental Health
Hazardous Materials Compliance Division
1555 Berger Drive Suite 300
San Jose California 95112
Attn: California Accidental Release Program
(408) 918-3400

CAL-ARP PROGRAM REGISTRATION FORM

I. Registration:

Registration Type:	Revision Type:	
☐ New ☐ Revision	☐ Updates and Re-Submissions per 2745.10 (a) and (b) ☐ De-registration per 2745.10 (c) or (d)	☐ Corrections per 2745.10.5 ☐ Withdrawals

II. Business Owner/Operator Information:

Business Name/dba:					
Street:	City:	State:	Zip Code:	County:	
Latitude:	Longitude:	Method for Obtaining Lat./Long:	Description of Location Lat./Long. Represents:		
Owner/Operator Name:	Dun & Bradstreet Number:	Parent Company Name and Dun & Bradstreet Number:		Phone Number:	
Mailing Address Street:	Name & Title of Person/Position with Overall RMP Responsibility:	City:	State:	Zip Code:	
24-Hr. Emergency Contact Name and Title:	Emergency Contact E-mail address:	24 Hr Emergency Phone Number:			
SS USEPA Identifier:	Number of Full-Time Employees:	8CCR § 5189? Yes: ☐ No: ☐	40 CFR Part 355? Yes: ☐ No: ☐		
CAA Title V operating permit? Yes: ☐ No: ☐	CAA Permit Number:				
Last Safety Inspection Date and Name of Agency:					

III. RMP Contractor Information:

RMP Contractor Name:			Phone Number:
RMP Contractor Mailing Address- Street:	City:	State:	Zip Code:

IV. Cal ARP Registration Certification:

I, the owner or operator of the aforementioned facility, hereby certify that the registration information herein is true, accurate, and complete to the best of my knowledge, based upon reasonable inquiry. I am fully aware that this certification, executed on the date indicated below, is made under penalty of perjury under the laws of the State of California.

Owner/Operator Name (Print)	
Owner /Operator Signature	Date:

V. Regulated Substances List (per covered process)

Process Number	1			
Process Description:				
Program Level:				
NAICS Code:				
Chemical:	Name	CAS #	Concentration (%)	Quantity (lbs.)

Process Number	2			
Process Description:				
Program Level:				
NAICS Code:				
Chemical:	Name	CAS #	Concentration (%)	Quantity (lbs.)

Process Number	3			
Process Description:				
Program Level:				
NAICS Code:				
Chemical:	Name	CAS #	Concentration (%)	Quantity (lbs.)

RCRA HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

FOR OFFICE USE ONLY	
APPLICATION #: 374	
☑ APPROVED	EXP. DATE: 5/6/2020
☐ DENIED (COMMENTS ON FOLLOWING PAGE)	
PREPARED BY: Matt McCarron	DATE: 4/6/20

Please type the following information

Generator Name			EPA ID #
Lumileds LLC			CAR000058081
Site Address	**City**	**State**	**Zip Code**
370 West Trimble Road	San Jose	CA	95131
Mailing Address	**City**	**State**	**Zip Code**
same			
Name of Applicant		**Title**	
Mitch Cole		Environmental Engineer	
Email Address			**Telephone Number**
mitchell.cole@lumileds.com			408-592-3222

A. DESCRIPTION OF RCRA WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Composition	RCRA Waste Code	Concentration of Constituents (if known)	Gal, Lbs, Cubic Yards
1.	Solvent debris	F003		1000 p
2.	Arsenic debris	D004, D007		750 p
3.	Flammable solvent	D001		165 g
4.	Wastewater sludge	D004		22,500 p

B. DESCRIPTION OF STORAGE:

☑	Drums	Quantity and Type:	30, 55, poly and steel open and closed DOT containers.
☐	Tanks	Quantity and Type:	
☐	Bins	Quantity and Type:	
☑	Other (specify)	Quantity and Type:	Cubic yard triwall boxes.

C. DESCRIPTION OF STORAGE AREA :
(i.e., hazardous waste container/tank labeling/marking, containment system, berms, warning signs, etc.):

Covered, isolated, secured, labeled storage area. sump containment design, standard warning signs as outlined by law.

D. INITIAL ACCUMULATION START DATE: 1/7/2020

E. DATE OF 90-DAY ACCUMULATION LIMIT: 4/7/2020

F. NUMBER OF ADDITIONAL DAYS REQUESTED: 30
(30-DAY MAXIMUM)

G. DETAILED REASON FOR STORAGE EXTENSION REQUEST:

COVID 19 Shelter in place order from County of Santa Clara as well as the State of California. Per DTSC phone call with applicant on 4/6/2020, access to facility has been restricted since mid. March. Pick up set for 4/14/2020. Part one of two submissions.

Signature of Applicant

Date

04/06/2020

If you have any questions or concerns regarding the RCRA HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact 30DAYEXTENSION@DTSC.CA.GOV. The completed application can either be submitted by hard copy or electronically using the "Submit via Email" button below. Submitting the application electronically will expedite the review process.

Department of Toxic Substances Control
Enforcement and Emergency Response Division
700 Heinz Avenue
Berkeley, California 94710 – 2721
Attention: 30 DAY EXTENSION REQUEST

Submit via Email

FOR OFFICE USE ONLY	
Reason for Denial:	
☐ Does not meet California Code of Regulations, title 22, section 66262.34(c)	
☐ Other (Specify):	

RCRA HAZARDOUS WASTE STORAGE EXTENSION APPLICATION

FOR OFFICE USE ONLY	
APPLICATION #: 374	
☑ APPROVED	EXP. DATE: 5/6/2020
☐ DENIED (COMMENTS ON FOLLOWING PAGE)	
PREPARED BY: Matt McCarron	DATE: 4/6/20

Please type the following information

Generator Name			EPA ID #
Lumileds LLC			CAR000058081
Site Address	**City**	**State**	**Zip Code**
370 West Trimble Road	San Jose	CA	95131
Mailing Address	**City**	**State**	**Zip Code**
same			
Name of Applicant		**Title**	
Mitch Cole		Environmental Engineer	
Email Address			**Telephone Number**
mitchell.cole@lumileds.com			408-592-3222

A. DESCRIPTION OF RCRA WASTE:

(Note: A separate application must be used for wastes with different accumulation start dates)

	Waste Composition	RCRA Waste Code	Concentration of Constituents (if known)	Gal, Lbs, Cubic Yards
1.	Solvent debris	F003		1000 p
2.	Arsenic debris	D004, D007		750 p
3.	Flammable solvent	D001		165 g
4.	Wastewater sludge	D004		22,500 p

B. DESCRIPTION OF STORAGE:

☑	Drums	Quantity and Type:	30, 55, poly and steel open and closed DOT containers.
☐	Tanks	Quantity and Type:	
☐	Bins	Quantity and Type:	
☑	Other (specify)	Quantity and Type:	Cubic yard triwall boxes.

C. DESCRIPTION OF STORAGE AREA :
(i.e., hazardous waste container/tank labeling/marking, containment system, berms, warning signs, etc.):

Covered, isolated, secured, labeled storage area. sump containment design, standard warning signs as outlined by law.

D. INITIAL ACCUMULATION START DATE: 1/7/2020

E. DATE OF 90-DAY ACCUMULATION LIMIT: 4/7/2020

F. NUMBER OF ADDITIONAL DAYS REQUESTED: 30
(30-DAY MAXIMUM)

G. DETAILED REASON FOR STORAGE EXTENSION REQUEST:

COVID 19 Shelter in place order from County of Santa Clara as well as the State of California. Per DTSC phone call with applicant on 4/6/2020, access to facility has been restricted since mid. March. Pick up set for 4/14/2020. Part one of two submissions.

Signature of Applicant

Date

04/06/2020

If you have any questions or concerns regarding the RCRA HAZARDOUS WASTE STORAGE EXTENSION APPLICATION contact 30DAYEXTENSION@DTSC.CA.GOV. The completed application can either be submitted by hard copy or electronically using the "Submit via Email" button below. Submitting the application electronically will expedite the review process.

Department of Toxic Substances Control
Enforcement and Emergency Response Division
700 Heinz Avenue
Berkeley, California 94710 – 2721
Attention: 30 DAY EXTENSION REQUEST

Submit via Email

FOR OFFICE USE ONLY	
Reason for Denial:	
☐ Does not meet California Code of Regulations, title 22, section 66262.34(c)	
☐ Other (Specify):	

From: Ward, Robin
To: "Cole, Mitchell"
Subject: RE: Lumileds UST Inspection Response
Date: Monday, April 27, 2020 3:42:00 PM

Hello Mr. Cole,
Thank you for your patience as I reviewed the enclosed materials. I have closed all violations except for the violation noted below. There is also 1 additional follow-up action required in CERS, which is detailed in the CERS comments.
Regarding your report response:
Please note that our agency cannot accept and reject individual components in a UST CERS submission. If the entire submittal is not reasonably compliant, then the entire submittal must be rejected and resubmitted. Our inspectors do not remove specific elements of a submittal, and each submittal must provide all required elements. As shown in the most recent submittal on 9/11/19, this information was not included.

For each subsequent submittal, please ensure all required elements are included. There is one document still missing from your CERS submittal, which is required for the submittal to be entirely completed. I have conditionally accepted the submittal with a comment, but the missing document needs to be uploaded as soon as possible and the full UST submittal must be resubmitted.

To close out the final violation, please forward a copy of the Overfill Prevention Inspection Report for 4/23/19 so that I can file the report in our archives.

With the challenges posed by the COVID-19 crisis and the current restrictions set by the Public Health Order, we understand that corrective actions might be delayed. While we cannot modify regulatory requirements, please document any compliance efforts.

If you have questions or require assistance, please give me a call or send me an email. Thank you so much for your continued assistance.

Kind Regards,

Rob Ward
Hazardous Materials Specialist

County of Santa Clara Dept. of Environmental Health | Hazardous Materials Compliance Division
1555 Berger Drive, Suite 300 | San Jose, CA 95112
Office 408-918-1945 | Schedule: Mon - Thurs
https://www.sccgov.org/sites/harmat/Pages/hmp.aspx

NOTICE: *This email message and/or its attachments may contain information that is confidential or restricted. It is intended only for the individuals named as recipients in the message. If you are NOT an authorized recipient, you are prohibited from using, delivering, distributing, printing, copying, or disclosing the message or content to others and must delete the message from your computer. If you have received this message in error, please notify the sender by return mail.*

From: Cole, Mitchell <mitchell.cole@lumileds.com>
Sent: Thursday, March 12, 2020 9:54 AM
To: Ward, Robin <robin.ward@cep.sccgov.org>
Cc: Cooper, James <james.cooper@lumileds.com>; Janowski, Daniel <dan.janowski@lumileds.com>; Dugdale, Eric <eric.dugdale@lumileds.com>
Subject: [EXTERNAL] Lumileds UST Inspection Response

Robin,

The hard copy is in the mail - but here a scan of the response.
Let me know if you have any questions.

Best Regards,

Mitch Cole
Environmental Engineer

408-964-2562 desk
408-592-3222 mobile

Lumileds LLC
370 West Trimble Road
San Jose, California 95131

From: MFD@lumileds.com <MFD@lumileds.com>
Sent: Wednesday, March 11, 2020 12:38 PM
To: Cole, Mitchell
Subject: Scanned from a Xerox multifunction device

Please open the attached document. It was scanned and sent to you using a Xerox multifunction device.

Sent by: CORP\usb09091 [mitchell.cole@lumileds.com]
Attachment File Type: pdf/a, Multi-Page

multifunction device Location: US-397 San Jose
Device Name: GLBEHVXRX1PRENU

For more information on Xerox products and solutions, please visit https://eur03.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.xerox.com&data=02%7C01%7Cmitchell.cole%40lumileds.com%7C9908f254991246fc0cda08d7c5f380d7%7C5c2be51b4109461da0e7521be6237ce2%7C0%7C0%7C637195522029610006&sdata=p44lkA2b65pnBR9eW5%2F%2Fhi6VSkrTWvFamtCg4twhXb4%3D&reserved=0

FA0252744

UNDERGROUND STORAGE TANK SYSTEM
OWNER STATEMENTS OF DESIGNATED UST OPERATOR AND UNDERSTANDING OF AND COMPLIANCE WITH UST REQUIREMENTS

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction
Authority Cited: Title 23, Div. 3, Ch. 16 California Code of Regulations (CCR)

FACILITY NAME	FACILITY PHONE
Lumileds Lighting	(408) 435-4316
FACILITY SITE ADDRESS	CITY
370 W. Trimble	San Jose

REASON FOR SUBMITTING THIS FORM *(Check One)*: ☐ Change of Designated Operator ☒ Update of ICC Certification Expiration Date(s)

PRIMARY DESIGNATED UST OPERATOR FOR THIS FACILITY

DESIGNATED OPERATOR NAME: Elmer Mortera	RELATION TO UST FACILITY *(Check One)*
BUSINESS NAME *(If different from above)*: Balch Petroleum	☐ Owner ☐ Operator ☐ Employee
DESIGNATED OPERATOR PHONE: (408) 942-8686 ext.	☐ Service Technician ☒ Third-Party
INTERNATIONAL CODE COUNCIL CERTIFICATION NO.: 5248052-UC	EXPIRATION DATE: 5/3/2013

ALTERNATE 1 DESIGNATED UST OPERATOR FOR THIS FACILITY *(Optional)*

DESIGNATED OPERATOR NAME: Ryan Lipert	RELATION TO UST FACILITY *(Check One)*
BUSINESS NAME *(If different from above)*: Balch Petroleum	☐ Owner ☐ Operator ☐ Employee
DESIGNATED OPERATOR PHONE: (408) 942-8686 ext.	☐ Service Technician ☒ Third-Party
INTERNATIONAL CODE COUNCIL CERTIFICATION NO.: 5295268-UC	EXPIRATION DATE: 10/17/2014

ALTERNATE 2 DESIGNATED UST OPERATOR FOR THIS FACILITY *(Optional)*

DESIGNATED OPERATOR NAME: Rolando Urbina	RELATION TO UST FACILITY *(Check One)*
BUSINESS NAME *(If different from above)*: Balch Petroleum	☐ Owner ☐ Operator ☐ Employee
DESIGNATED OPERATOR PHONE: (408) 942-8686 ext.	☐ Service Technician ☒ Third-Party
INTERNATIONAL CODE COUNCIL CERTIFICATION NO.: 8009631-UC	EXPIRATION DATE: 10/24/2014

ALTERNATE 3 DESIGNATED UST OPERATOR FOR THIS FACILITY *(Optional)*

DESIGNATED OPERATOR NAME: Robert Henninger	RELATION TO UST FACILITY *(Check One)*
BUSINESS NAME *(If different from above)*: Balch Petroleum	☐ Owner ☐ Operator ☐ Employee
DESIGNATED OPERATOR PHONE: (408) 942-8686 ext.	☐ Service Technician ☒ Third-Party
INTERNATIONAL CODE COUNCIL CERTIFICATION NO.: 5252265-UC	EXPIRATION DATE: 2/25/2014

I certify that, for the facility indicated at the top of this page, the individual(s) listed above will serve as Designated UST Operator(s). The individual(s) will conduct and document monthly facility inspections and annual facility employee training in accordance with California Code of Regulations, Title 23, Section 2715(c) through (f). Furthermore, I understand and am in compliance with the requirements (statutes, regulations, and local ordinances) applicable to underground storage tanks.

TANK OWNER NAME: Mitch Cole

TANK OWNER TITLE: Environmental Eng OWNER PHONE: (408)964-2562

TANK OWNER SIGNATURE: [signature] DATE: 4/4/13

INSTRUCTIONS

1. Report the name(s) of the Designated UST Operator(s) as registered with the International Code Council (ICC). ICC certification information is available on-line at: **www.iccsafe.org/e/certsearch.html**. Search for "California UST System Operators."
2. Submit this completed form to the local agency that regulates this facility's USTs. Unidocs member agency jurisdictions and contact information are listed on-line at: **www.unidocs.org/members/whoregulateswhat.html**. Contact information for other local agencies within California is available at: **www.swrcb.ca.gov/cwphome/ust/contacts/docs/local_agency_list.xls.**
3. 23 CCR §2715(a) requires that you notify the local agency of any changes to this information within 30 days of the date of change.

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION

BUSINESS OWNER/OPERATOR IDENTIFICATION

Page of

I. IDENTIFICATION

FACILITY ID # (Agency Use Only)	1.	BEGINNING DATE	100.	ENDING DATE	101.
		01/01/2009		12/31/2009	

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As)	3.	BUSINESS PHONE	102.
Philips Lumileds Lighting Company LLC		(408) 964-5300	

BUSINESS SITE ADDRESS			103.
370 West Trimble Road			
CITY 104.		ZIP CODE	105.
San Jose	CA	95131	
DUN & BRADSTREET 106.		SIC CODE (4 digit #)	107.
		3674	
COUNTY			108.
Santa Clara			
BUSINESS OPERATOR NAME 109.		BUSINESS OPERATOR PHONE	110.
Philips Lumileds Lighting Company LLC		(408) 964-5300	

II. BUSINESS OWNER

OWNER NAME 111.		OWNER PHONE	112.
Philips Lumileds Lighting Company LLC		(408) 964-5300	
OWNER MAILING ADDRESS			113.
370 West Trimble Road			
CITY 114.	STATE 115.	ZIP CODE	116.
San Jose	CA	95131	

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117.	CONTACT PHONE	118.
Mitch Cole	408-964-2562	
CONTACT MAILING ADDRESS		119.
370 West Trimble Road		
CITY 120.	STATE 121.	ZIP CODE 122.
San Jose	CA	95131

IV. EMERGENCY CONTACTS

-PRIMARY-		-SECONDARY-	
NAME 123.		NAME	128.
Mitch Cole		Dan Janowski	
TITLE 124.		TITLE	129.
Environmental Engineer		Facilities Manager	
BUSINESS PHONE 125.		BUSINESS PHONE	130.
408-964-2562		408-964-2665	
24-HOUR PHONE* 126.		24-HOUR PHONE*	131.
408-964-5300		408-964-5300	
PAGER # 127.		PAGER #	132.
408-592-3222		n/a	

ADDITIONAL LOCALLY COLLECTED INFORMATION: 133.

Property Owner: Philips Lumileds Lighting Company LLC Phone No.: 408-964-5300

Billing Address: 370 West Trimble Road, San Jose, California 95131

Certification: Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted and believe the information is true, accurate, and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134.	NAME OF DOCUMENT PREPARER	135.
	1/26/2010	Mitch Cole	
NAME OF SIGNER (print) 136.	TITLE OF SIGNER		137.
Dan Janowski	Facilities Manager		

* See Instructions on next page.

UNIFIED PROGRAM CONSOLIDATED FORM
FACILITY INFORMATION
BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	1.	EPA ID # (Hazardous Waste Only)	2.
		CAR 000 058 081	

BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) 3.

Philips Lumileds Lighting, Company LLC

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page (OES Form 2730).

Does your facility…	If Yes, please complete these pages of the UPCF…	
A. HAZARDOUS MATERIALS Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4.	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION (OES 2731)
B. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☒ YES ☐ NO 5.	UST FACILITY (Formerly SWRCB Form A) UST TANK (one page per tank) (Formerly Form B)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO 6.	UST FACILITY UST TANK (one per tank) UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)
3. Need to report closing a UST?	☐ YES ☒ NO 7.	UST TANK (closure portion – one page per tank)
C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: ---any tank capacity is greater than 660 gallons, or ---the total capacity for the facility is greater than 1,320 gallons?	☐ YES ☒ NO 8.	NO FORM REQUIRED TO CUPAs
D. HAZARDOUS WASTE 1. Generate hazardous waste?	☒ YES ☐ NO 9.	EPA ID NUMBER – provide at the top of this page
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per H&SC §25143.2)?	☐ YES ☒ NO 10.	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☒ YES ☐ NO 11.	ONSITE HAZARDOUS WASTE TREATMENT – FACILITY (Formerly DTSC Forms 1772) ONSITE HAZARDOUS WASTE TREATMENT – UNIT (one page per unit) (Formerly DTSC Forms 1772 A,B,C,D and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☒ YES ☐ NO 12.	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13.	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)
6. Need to report the closure/removal of a tank that was classified as hazardous waste and cleaned onsite?	☐ YES ☒ NO 14.	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS (You may also be required to provide additional information by your CUPA or local agency.) 15.

Hazardous Materials Inventory Statement

For use by Unidocs Member Agencies or where approved by your Local Jurisdiction

Date: 9/19/2011

Business Name: AVAGO TECHNOLOGIES **MAP ID:** Building 90 Basement Level **Facility ID#:**

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.2: NONFLAMMABLE GASES	B,3	Halon 1301 (Bromotrifluoromethane) CAS#: 75-63-8	name bromotrifluoromethane	ehs N	% 100	cas 75-63-8	LIQUID (PURE)	MAX 75 LBS AVG 75 LBS LC 75 LBS WST 0 LBS DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE, ACUTE HEALTH
2.2: NONFLAMMABLE GASES	C,4	Nitrogen (Nitrogen) CAS#: 7727-37-9	name nitrogen	ehs N	% 100	cas 7727-37-9	GAS (PURE)	MAX 304 CUFT AVG 304 CUFT LC 304 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	C,5	Waste Stripper Transfer Tank (not in use) CAS#: NONE	name waste stripper transfer tank	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 250 GAL AVG 0 GAL LC 250 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
2.2: NONFLAMMABLE GASES	E,4	Nitrogen (Nitrogen) CAS#: 7727-37-9	name nitrogen	ehs N	% 100	cas 7727-37-9	GAS (PURE)	MAX 608 CUFT AVG 608 CUFT LC 304 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.2: NONFLAMMABLE GASES	H, 3	Argon () CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	GAS (PURE)	MAX 280 CUFT AVG 280 CUFT LC 280 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Carbon Dioxide () CAS#: 124-38-9	name carbon dioxide	ehs N	% 100	cas 124-38-9	GAS (PURE)	MAX 341 CUFT AVG 341 CUFT LC 341 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Helium () CAS#: 7440-59-7	name helium	ehs N	% 100	cas 7440-59-7	GAS (PURE)	MAX 488 CUFT AVG 244 CUFT LC 244 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Nitrogen (Nitrogen) CAS#: 7727-37-9	name nitrogen	ehs N	% 100	cas 7727-37-9	GAS (PURE)	MAX 608 CUFT AVG 608 CUFT LC 304 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Oxygen () CAS#: 7782-44-7	name oxygen	ehs N	% 100	cas 7782-44-7	GAS (PURE)	MAX 498 CUFT AVG 498 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE

Business Name: **Philips Lumileds** ***MAP ID:*** **Building 90 Basement Level** ***Facility ID#:***

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.2: NONFLAMMABLE GASES	H, 3	Silane 1% in Nitrogen () CAS#: NONE	name silane nitrogen	ehs N N	% 1 99	cas 7803-62-5 7727-37-9	GAS (MIXTURE)	MAX 207 CUFT AVG 207 CUFT LC 207 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Sulfur Hexafluoride () CAS#: 2551-62-4	name sulfur hexafluoride	ehs N	% 100	cas 2551-62-4	GAS (PURE)	MAX 261 CUFT AVG 261 CUFT LC 261 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Tetrafluoromethane (Halocarbon 14) CAS#: 75-73-0	name tetrafluoromethane	ehs N	% 100	cas 75-73-0	GAS (PURE)	MAX 616 CUFT AVG 616 CUFT LC 308 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	H, 3	Trifluoromethane () CAS#: 75-46-7	name trifluoromethane	ehs N	% 100	cas 75-46-7	GAS (PURE)	MAX 387 CUFT AVG 387 CUFT LC 387 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
NONE	J,2	Avago Industrial Wastewater (AWN Collection Tank) CAS#: NONE	name avago industrial wastewater	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 1000 GAL AVG 1000 GAL LC 1000 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	ACUTE HEALTH

Acronyms: MAX: Maximum Daily Amount; AVG: Average Daily Amount; DAYS: Days On Site; LC: Largest Container; CUR: Curies

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	J,2	AWN Collection Tank (AWN Tank) CAS#: NONE	*name* awn collection tank	*ehs* N	*%* 100	*cas*	LIQUID (MIXTURE)	*MAX* 500 GAL *AVG* 500 GAL *LC* 500 GAL *WST* 0 GAL *DAYS* 365 *CUR* N/A	TANK INSIDE BUILDING	*pres:* AMB *temp:* AMB	ACUTE HEALTH
8: CORROSIVES	J,2	AWN Collection Tank (AWN Collection Tank) CAS#: NONE	*name* awn collection tank	*ehs* N	*%* 100	*cas*	LIQUID (MIXTURE)	*MAX* 500 GAL *AVG* 500 GAL *LC* 500 GAL *WST* 0 GAL *DAYS* 365 *CUR* N/A	TANK INSIDE BUILDING	*pres:* AMB *temp:* AMB	ACUTE HEALTH
8: CORROSIVES	k,2	Waste HF Holding Tank (not in use) CAS#: NONE	*name* water hydrofluoric acid ammonium hydroxide potassium permanganate	*ehs* N n n n	*%* 97 1 1 1	*cas* 7732-18-5 7664-39-3 1336-21-6 7722-64-7	LIQUID (MIXTURE)	*MAX* 4800 GAL *AVG* 0 GAL *LC* 1200 GAL *WST* N/A *DAYS* 365 *CUR* N/A	TANK INSIDE BUILDING	*pres:* AMB *temp:* AMB	ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	01G4 Chase	Corrosive liquid waste container () CAS#: NONE	name mixture of inorganic acids	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 5 GAL AVG 5 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	01G4 Chase	Flammable liquid waste container () CAS#: NONE	name mixture of organic solvents	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 5 GAL AVG 5 GAL LC 5 GAL WST N/A DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
2.2: NONFLAMMABLE GASES	01G4 Chase	Oxygen () CAS#: 7782-44-7	name oxygen	ehs N	% 100	cas 7782-44-7	GAS (PURE)	MAX 249 CUFT AVG 249 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	01G4 Chase	Oxygen 8% in Halocarbon 14 () CAS#: NONE	name oxygen carbon tetrafluoride	ehs N N	% 8 92	cas 7782-44-7 75-73-0	GAS (MIXTURE)	MAX 249 CUFT AVG 249 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	01H6A Chase	Argon () CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	GAS (PURE)	MAX 248 CUFT AVG 248 CUFT LC 248 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.2: NONFLAMMABLE GASES	01H6A Chase	Helium () CAS#: 7440-59-7	name helium	ehs N	% 100	cas 7440-59-7	GAS (PURE)	MAX 244 CUFT AVG 244 CUFT LC 244 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	01H6A Chase	Oxygen () CAS#: 7782-44-7	name oxygen	ehs N	% 100	cas 7782-44-7	GAS (PURE)	MAX 249 CUFT AVG 249 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	01H6A Chase	Oxygen 5% in Nitrogen () CAS#: NONE	name oxygen nitrogen	ehs N N	% 5 95	cas 7782-44-7 7727-37-9	GAS (MIXTURE)	MAX 210 CUFT AVG 210 CUFT LC 210 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	01J6A chase	Carbon Dioxide () CAS#: 124-38-9	name carbon dioxide	ehs N	% 100	cas 124-38-9	GAS (PURE)	MAX 60 LBS AVG 60 LBS LC 60 LBS WST 0 LBS DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
8: CORROSIVES	Device Developme nt	Acetic Acid () CAS#: 64-19-7	name acetic acid water	ehs N N	% 90 10	cas 64-19-7 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	Acetone () CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 16 GAL AVG 16 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	Adhesion Promoter () CAS#: 999-97-3	name hexamethyl disilazane	ehs N	% 100	cas 999-97-3	LIQUID (MIXTURE)	MAX 0.5 GAL AVG 0.5 GAL LC 0.125 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, REACTIVE, ACUTE HEALTH
2.2: NONFLAMMABLE GASES	Device Development	Ammonia 100% () CAS#: 7664-41-7	name ammonia 100%	ehs Y	% 100	cas 7664-41-7	LIQUID (PURE)	MAX 1243 CUFT AVG 1243 CUFT LC 1243 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: > AMB	PRESSURE RELEASE, ACUTE HEALTH
8: CORROSIVES	Device Development	Ammonium Hydroxide 30% () CAS#: 1336-21-6	name ammonium hydroxide water	ehs N N	% 30 70	cas 1336-21-6 7732-18-5	LIQUID (MIXTURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Device Development	AZ 3:2 developer () CAS#: NONE	name sodium metasilicate water	ehs N N	% 1 99	cas 6834-92-0 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	AZ EBR 70/30 () CAS#: NONE	name 1-methoxy-2-propanol 1-methoxy-2-propanol acetate	ehs N N	% 70 30	cas 107-98-2 108-65-6	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	CAN	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
5.1: OXIDIZING SUBSTANCES	Device Development	C-35 Gold Etch (C-35 Gold Etch 8:1) CAS#: NONE	name iodine potassium iodide	ehs N N	% NA NA	cas 7553-56-2 7681-11-0	SOLID (MIXTURE)	MAX 1 LBS AVG 1 LBS LC 0.22 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	EBR 2 () CAS#: NONE	name cyclohexanone	ehs N	% 100	cas 108-94-1	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	CAN	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	Device Development	EKC 265 Photoresist Stripper () CAS#: NONE	name 2-(2-aminoethoxy) ethanol catechol hydroxylamine	ehs N N N	% 100	cas 929-06-6 120-80-9 7803-49-8	LIQUID (MIXTURE)	MAX 10 GAL AVG 10 GAL LC 1 GAL WST N/A DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, PRESSURE RELEASE
8: CORROSIVES	Device Development	Hydrofluoric Acid 49% () CAS#: 7664-39-3	name hydrofluoric acid water	ehs Y N	% 49 51	cas 7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 13 GAL AVG 13 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
5.1: OXIDIZING SUBSTANCES	Device Development	Hydrogen Peroxide 30% (HYDROGEN PEROXIDE 30%) CAS#: 7722-84-1	name hydrogen peroxide water	ehs Y N	% 30 70	cas 7722-84-1 7732-18-5	LIQUID (MIXTURE)	MAX 9 GAL AVG 9 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	Isopropyl Alcohol () CAS#: 67-63-0	name isopropyl alcohol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 28 GAL AVG 28 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	Methanol (METHANOL) CAS#: 67-56-1	name methanol	ehs N	% 100	cas 67-56-1	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
8: CORROSIVES	Device Development	Nickel Vanadium Etch () CAS#: NONE	name nitric acid sulfuric acid acetic acid water	ehs N N N N	% 34 17 17 34	cas 7697-37-2 7664-93-9 64-19-7 7732-18-5	LIQUID (MIXTURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Device Development	Nophenol EKC 922 () CAS#: NONE	name dodecyl benzene sulfonic acid heavy aromatic solvent naptha catechol naphthalene	ehs N N N N	% NA NA NA NA	cas 27176-87-0 64742-94-5 120-80-9 91-20-3	LIQUID (MIXTURE)	MAX 15 GAL AVG 15 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	NR7 6000P () CAS#: NONE	name cyclohexanone resins sensitizers	ehs N	% NA NA NA	cas 108-94-1	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	Device Development	Potassium Hydroxide Pellets () CAS#: 1310-58-3	name potassium hydroxide pellets	ehs N	% 100	cas 1310-58-3	SOLID (PURE)	MAX 10 LBS AVG 10 LBS LC 5 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
NONE	Device Development	PRS 3000 () CAS#: NONE	name 1-methyl-2-pyrrolidinone thiophene, tetrahydro-, 1,1-dioxide monoisopropanol amine	ehs N N N	% 50 40 10	cas 872-50-4 126-33-0 78-96-6	LIQUID (MIXTURE)	MAX 4 GAL AVG 4 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
9: MISC HAZARDOUS MATERIAL	Device Development	Resist Developer RD6 () CAS#: NONE	name tetramethylammonium hydroxide water	ehs N N	% 3 97	cas 75-59-2 7732-18-5	LIQUID (MIXTURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Device Development	Resist Remover RR5 () CAS#: NONE	name dimethyl gluterate dimethyl adipate dimethyl succinate	ehs N n N	% -------- -------- --------	cas 1119-40-0 627-93-0 106-65-0	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 395 CUR N/A	CAN	pres: AMB temp: AMB	CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.1: FLAMMABLE GASES	Device Development	Silane 25% ppm in Helium () CAS#: NONE	name silane helium	ehs N N	% 25 75	cas 7803-62-5 7440-59-7	GAS (MIXTURE)	MAX 302 CUFT AVG 302 CUFT LC 302 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	FIRE, PRESSURE RELEASE, ACUTE HEALTH
8: CORROSIVES	Device Development	Sodium Hydroxide () CAS#: 1310-73-2	name sodium hydroxide water	ehs N N	% 30 70	cas 1310-73-2 7732-18-5	LIQUID (PURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
8: CORROSIVES	Device Development	Sulfuric Acid 81% (SULFURIC ACID 81%) CAS#: 7664-93-9	name sulfuric acid 81% water	ehs N N	% 81 19	cas 7664-93-9 7732-18-5	LIQUID (PURE)	MAX 9 GAL AVG 9 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	Device Development	Sulfuric Acid, 96% () CAS#: 7664-93-9	name sulfuric acid water	ehs Y N	% 96 4	cas 7664-93-9 7732-18-5	LIQUID (PURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Device Development	WNRD Negative Resist Developer,VBF A III () CAS#: 64742-48-9	name isoparaffinic hydrocarbon	ehs N	% 100	cas 64742-48-9	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Environmental Lab	Acetone (ACETONE) CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 2 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
NONE	Environmental Lab	Analysis Standards () CAS#: NONE	name water various metals	ehs N N	% 99 1	cas 7732-18-5	LIQUID (MIXTURE)	MAX 30 GAL AVG 20 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	NONE
2.2: NONFLAMMABLE GASES	Environmental Lab	Argon (ARGON) CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	LIQUID (PURE)	MAX 9972 CUFT AVG 4986 CUFT LC 4986 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: CRYO	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	Environmental Lab	Carbon Dioxide () CAS#: 124-38-9	name carbon dioxide	ehs N	% 100	cas 124-38-9	GAS (PURE)	MAX 341 CUFT AVG 341 CUFT LC 341 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
8: CORROSIVES	Environmental Lab	Hydrochloric Acid 38% (HYDROCHLORIC ACID 38%) CAS#: 7647-01-0	name hydrochloric acid water	ehs N N	% 38 62	cas 7647-01-0 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Environmental Lab	Isopropyl Alcohol (ISOPROPYL ALCOHOL) CAS#: 67-63-0	name isopropyl alcohol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 2 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
8: CORROSIVES	Environmental Lab	Nitric Acid 70% (NITRIC ACID 70%) CAS#: 7697-37-2	name nitric acid water	ehs Y N	% 70 30	cas 7697-37-2 7732-18-5	LIQUID (MIXTURE)	MAX 2 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
2.2: NONFLAMMABLE GASES	F1 Chase	Argon () CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	GAS (PURE)	MAX 280 CUFT AVG 280 CUFT LC 280 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	F1 Chase	Helium () CAS#: 7440-59-7	name helium	ehs N	% 100	cas 7440-59-7	GAS (PURE)	MAX 244 CUFT AVG 244 CUFT LC 244 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	F1 Chase	Oxygen () CAS#: 7782-44-7	name oxygen	ehs N	% 100	cas 7782-44-7	GAS (PURE)	MAX 29 CUFT AVG 249 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	FOPD Test Lab	Acetic Acid () CAS#: 64-19-7	name acetic acid water	ehs N N	% 90 10	cas 64-19-7 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	Acetone () CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
NONE	FOPD Test Lab	Alconox Cleanser () CAS#: NONE	name sodium dodecylbenzene sulfonate carbonate tetrasodium pyrophosphate sodium phosphate	ehs N N N N	% 30 13 30 30	cas 25155-30-0 497-19-8 7722-88-5 7758-29-4	SOLID (MIXTURE)	MAX 4 LBS AVG 4 LBS LC 4 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	NONE
8: CORROSIVES	FOPD Test Lab	Ammonium Hydroxide 30% () CAS#: 1336-21-6	name ammonium hydroxide water	ehs N N	% 30 70	cas 1336-21-6 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AP3000 Adhesion Promoter () CAS#: NONE	name propylene glycol monomethyl ether water	ehs N N	% 98 2	cas 107-98-2 7732-18-5	LIQUID (MIXTURE)	MAX 1 LIT AVG 1 LIT LC 1 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AZ 1512 Photoresist () CAS#: NONE	name 1-methoxy-2-propanol acetate cresol novolak resin diazonaphtoquin esulfonic esters	ehs N N N	% 75 20 5	cas 108-65-6 117520-84-(5610-94-6	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: < AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	FOPD Test Lab	AZ 351 Developer () CAS#: NONE	name sodium hydroxide	ehs N	% <1	cas 1310-73-2	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AZ 5214E Photoresist () CAS#: NONE	name 1-methoxy-2-propanol acetate cresol novolak resin	ehs N N	% 71 29	cas 108-65-6 117520-84-(	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: < AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AZ 9260 Photoresist () CAS#: NONE	name 1-methoxy-2-propanol acetate cresol novolak resin diazonaphtoquin esulfonic esters	ehs N N N	% 62 35 5	cas 108-65-6 117520-84-(5610-94-6	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: < AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AZ P4330-RS () CAS#: NONE	name 1-methoxy-2-propanol acetate cresol novolak resin diazonaphtoquin esulfonic esters	ehs N N N	% 67 29 4	cas 108-65-6 117520-84-(5610-94-6	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: < AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	AZ P4620 Photoresist () CAS#: NONE	name 1-methoxy-2-propanol acetate cresol novolak resin diazonaphtoquinesulfonic esters	ehs N N N	% 62 35 5	cas 108-65-6 117520-84-(5610-94-6	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: < AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
9: MISC HAZARDOUS MATERIAL	FOPD Test Lab	BCB Cyclotene 4022-35 () CAS#: NONE	name 1,3,5 - trimethylbenzene divinylsiloxane-bis-benzocyclobutene	ehs N N	% 73 39	cas 108-67-8 124221-30-3	LIQUID (MIXTURE)	MAX 1 LIT AVG 1 LIT LC 1 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	CHRONIC HEALTH
9: MISC HAZARDOUS MATERIAL	FOPD Test Lab	BCB Cyclotene 4024-40 () CAS#: NONE	name 1,3,5 - trimethylbenzene divinylsiloxane-bis-benzocyclobutene	ehs N N	% 73 39	cas 108-67-8 124221-30-3	LIQUID (MIXTURE)	MAX 1 LIT AVG 1 LIT LC 1 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	CHRONIC HEALTH
2.3: TOXIC GASES	FOPD Test Lab	Boron Trichloride () CAS#: 10294-34-5	name boron trichloride	ehs N	% 100	cas 10294-34-5	GAS (PURE)	MAX 0.081 CUFT AVG 0.081 CUFT LC 0.081 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	FOPD Test Lab	Buffered Oxide Etch 6:1 (BOE Etch 6:1) CAS#: NONE	name ammonium fluoride hydrogen fluoride water	ehs N Y N	% 30-50 0.5-1 40-70	cas 12124-01-8 07664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
5.1: OXIDIZING SUBSTANCES	FOPD Test Lab	Ceric Ammonium Nitrate () CAS#: 16774-21-3	name ceric ammonium nitrate	ehs N	% 100	cas 16774-21-3	SOLID (MIXTURE)	MAX 500 GR AVG 500 GR LC 500 GR WST 0 GR DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
2.3: TOXIC GASES	FOPD Test Lab	Chlorine 100% () CAS#: 7782-50-5	name chlorine 100%	ehs Y	% 100	cas 7782-50-5	GAS (PURE)	MAX 0.081 CUFT AVG 0.081 CUFT LC 0.081 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	FIRE, PRESSURE RELEASE, ACUTE HEALTH
5.1: OXIDIZING SUBSTANCES	FOPD Test Lab	Chromium Trioxide flakes () CAS#: 1333-82-0	name chromium trioxide flakes	ehs N	% 100	cas 1333-82-0	SOLID (PURE)	MAX 500 GR AVG 500 GR LC 500 GR WST 0 GR DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
NONE	FOPD Test Lab	Citric Acid Monohydrate Granular () CAS#: 5949-29-1	name citric acid monohydrate granular	ehs N	% 100	cas 5949-29-1	SOLID (PURE)	MAX 4.4 GR AVG 4.4 GR LC 1.1 GR WST 0 GR DAYS 365 CUR N/A	N/A	pres: > AMB temp: CRYO	NONE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS	ehs	%	cas	PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	DS2100 Immersion Developer () CAS#: NONE	1,3,5-tris benzene 1,2,4-triisopropylbenzene	N N	95 4	717-74-8 948-32-3	LIQUID (MIXTURE)	MAX 4 LIT AVG 4 LIT LC 1 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	DS3000 Immersion Developer () CAS#: NONE	1,3,5-tris benzene 1,2,4-triisopropylbenzene	N N	95 4	717-74-8 948-32-3	LIQUID (MIXTURE)	MAX 4 LIT AVG 4 LIT LC 1 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
8: CORROSIVES	FOPD Test Lab	Hydrochloric acid 38% () CAS#: 7647-01-0	hydrochloric acid water	N N	38 62	7647-01-0 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	FOPD Test Lab	Hydrofluoric Acid 49% () CAS#: 7664-39-3	hydrofluoric acid water	Y N	49 51	7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH, CHRONIC HEALTH
5.1: OXIDIZING SUBSTANCES	FOPD Test Lab	Hydrogen Peroxide 30% (HYDROGEN PEROXIDE 30%) CAS#: 7722-84-1	hydrogen peroxide water	Y N	30 70	7722-84-1 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	Isopropyl Alcohol () CAS#: 67-63-0	name isopropyl alcohol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	Negative Resist NR1-3000PY () CAS#: NONE	name cyclohexanone resins sensitizers	ehs N	% NA NA NA	cas 108-94-1	LIQUID (MIXTURE)	MAX 0.25 GAL AVG 0.25 GAL LC 0.25 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	FOPD Test Lab	Nitric Acid 70% (NITRIC ACID 70%) CAS#: 7697-37-2	name nitric acid water	ehs Y N	% 70 30	cas 7697-37-2 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	N-Methyl-2-Pyrrolidone () CAS#: 872-50-4	name n-methyl-2-pyrrolidone	ehs N	% 100	cas 872-50-4	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
8: CORROSIVES	FOPD Test Lab	Phosphoric Acid 85% () CAS#: 7664-38-2	name phosphoric acid water	ehs N N	% 80 20	cas 7664-38-2 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
5.1: OXIDIZING SUBSTANCES	FOPD Test Lab	Potassium Dichromate Solution () CAS#: 7778-50-9	name potassium dichromate water	ehs N N	% 100 	cas 7778-50-9 7732-18-5	LIQUID (PURE)	MAX 0.275 GAL AVG 0.275 GAL LC 0.275 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	FOPD Test Lab	Potassium Hydroxide Pellet () CAS#: 1310-58-3	name potassium hydroxide water	ehs N N	% 90 10	cas 1310-58-3 7732-18-5	UNKNOWN (PURE)	MAX 500 GR AVG 500 GR LC 500 GR WST 0 GR DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
9: MISC HAZARDOUS MATERIAL	FOPD Test Lab	Resist Developer RD6 () CAS#: NONE	name tetramethylammonium hydroxide water	ehs N N	% 3 97	cas 75-59-2 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
5.1: OXIDIZING SUBSTANCES	FOPD Test Lab	Silver Nitrate Crystal (Silver Salt) CAS#: 7761-88-8	name silver nitrate crystal	ehs Y	% 100	cas 7761-88-8	SOLID (PURE)	MAX 100 GR AVG 100 GR LC 100 GR WST 0 GR DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	FOPD Test Lab	Sodium Hydroxide (solid) (CAUSTIC SODA PELS) CAS#: 1310-73-2	name sodium hydroxide	ehs N	% 100	cas 1310-73-2	SOLID (PURE)	MAX 500 Gr AVG 500 Gr LC 500 Gr WST 0 Gr DAYS 365 CUR N/A	BAG	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	FOPD Test Lab	Sulfuric Acid 98% (SULFURIC ACID 98%) CAS#: 7664-93-9	name sulfuric acid 98% water	ehs N N	% 98 2	cas 7664-93-9 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD Test Lab	T1100 Rinse Solvent () CAS#: NONE	name 1,3,5-trimethylbenzene 1,2,4-trimethylbenzene	ehs N N	% 98 2	cas 108-67-8 95-63-6	LIQUID (MIXTURE)	MAX 4 LIT AVG 4 LIT LC 4 LIT WST 0 LIT DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	1-Methyl-2-Pyrrolidinone () CAS#: 872-50-4	name 1-methyl-2-pyrrolidinone	ehs N	% 100	cas 872-50-4	LIQUID (PURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
8: CORROSIVES	Gas Vault	Acetic Acid Glacial () CAS#: 64-19-7	name acetic acid water	ehs N N	% 90 10	cas 64-19-7 7732-18-5	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	Acetone (ACETONE) CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 12 GAL AVG 12 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	Gas Vault	Ammonium Hydroxide 30% () CAS#: 1336-21-6	name ammonium hydroxide water	ehs N N	% 30 70	cas 1336-21-6 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Gas Vault	AZ 351 Developer () CAS#: NONE	name sodium hydroxide	ehs N	% <1	cas 1310-73-2	LIQUID (MIXTURE)	MAX 4 GAL AVG 4 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
2.3: TOXIC GASES	Gas Vault	Boron Trichloride () CAS#: 10294-34-5	name boron trichloride	ehs N	% 100	cas 10294-34-5	GAS (PURE)	MAX 82 CUFT AVG 82 CUFT LC 82 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: > AMB	PRESSURE RELEASE, ACUTE HEALTH
8: CORROSIVES	Gas Vault	Buffered Oxide Etch 6:1 (BOE Etch 6:1) CAS#: NONE	name ammonium fluoride hydrogen fluoride water	ehs N Y N	% 30-50 0.5-10 40-70	cas 12124-01-8 7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
2.2: NONFLAMMABLE GASES	Gas Vault	Carbon Dioxide () CAS#: 124-38-9	name carbon dioxide	ehs N	% 100	cas 124-38-9	GAS (PURE)	MAX 120 LBS AVG 120 LBS LC 60 LBS WST 0 LBS DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.3: TOXIC GASES	Gas Vault	Chlorine 100% () CAS#: 7782-50-5	name chlorine 100%	ehs Y	% 100	cas 7782-50-5	GAS (PURE)	MAX 378 CUFT AVG 378 CUFT LC 378 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	FIRE, PRESSURE RELEASE, ACUTE HEALTH
NONE	Gas Vault	Citric Acid Monohydrate Granular () CAS#: 5949-29-1	name citric acid monohydrate granular	ehs N	% 100	cas 5949-29-1	SOLID (PURE)	MAX 1.1 LBS AVG 1.1 LBS LC 1.1 LBS WST 0 LBS DAYS 365 CUR N/A	N/A	pres: > AMB temp: CRYO	NONE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	DS3000 Immersion Developer () CAS#: NONE	name 1,3,5-tris benzene 1,2,4-triisopropylbenzene	ehs N N	% 95 4	cas 717-74-8 948-32-3	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
NONE	Gas Vault	EDTA Disodium Salt () CAS#: 13*-33-3	name edta disodium salt	ehs N	% 100	cas 13*-33-3	SOLID (PURE)	MAX 4.4 LBS AVG 4.4 LBS LC 1.1 LBS WST 0 LBS DAYS 365 CUR N/A	N/A	pres: > AMB temp: CRYO	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	Ethylene Glycol () CAS#: 107-21-1	name ethylene glycol	ehs N	% 100	cas 107-21-1	LIQUID (PURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	Gas Vault	Hydrochloric acid 38% () CAS#: 7647-01-0	name hydrochloric acid water	ehs N N	% 38 62	cas 7647-01-0 7732-18-5	LIQUID (PURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Gas Vault	Hydrofluoric Acid 49% () CAS#: 7664-39-3	name hydrofluoric acid water	ehs Y N	% 49 51	cas 7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH, CHRONIC HEALTH
2.3: TOXIC GASES	Gas Vault	Hydrogen Bromide () CAS#: 10036-10-6	name hydrogen bromide	ehs Y	% 100	cas 10036-10-6	GAS (PURE)	MAX 82 CUFT AVG 82 CUFT LC 82 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	FIRE, PRESSURE RELEASE, ACUTE HEALTH
5.1: OXIDIZING SUBSTANCES	Gas Vault	Hydrogen Peroxide 30% () CAS#: 7722-84-1	name hydrogen peroxide water	ehs Y N	% 30 70	cas 7722-84-1 7732-18-5	LIQUID (MIXTURE)	MAX 4 GAL AVG 4 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	Isopropyl Alcohol (ISOPROPYL ALCOHOL) CAS#: 67-63-0	name isopropyl alcohol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 19 GAL AVG 19 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	Gas Vault	Methanol (METHANOL) CAS#: 67-56-1	name methanol	ehs N	% 100	cas 67-56-1	LIQUID (PURE)	MAX 5 GAL AVG 5 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
8: CORROSIVES	Gas Vault	Phosphoric Acid 85% () CAS#: 7664-38-2	name phosphoric acid water	ehs N N	% 80 20	cas 7664-38-2 7732-18-5	LIQUID (PURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
5.1: OXIDIZING SUBSTANCES	Gas Vault	Potassium Dichromate Crystal () CAS#: 7778-50-9	name potassium dichromate crystal	ehs N	% 100	cas 7778-50-9	SOLID (PURE)	MAX 1.37 LBS AVG 1.37 LBS LC 0.275 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
9: MISC HAZARDOUS MATERIAL	Gas Vault	Resist Developer RD6 () CAS#: NONE	name tetramethylammonium hydroxide water	ehs N N	% 3 97	cas 75-59-2 7732-18-5	LIQUID (MIXTURE)	MAX 4 GAL AVG 4 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	Gas Vault	Silicon Tetrachloride () CAS#: 10026-04-7	name silicon tetrachloride	ehs N	% 100	cas 10026-04-7	GAS (PURE)	MAX 228 CUFT AVG 228 CUFT LC 228 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	REACTIVE, PRESSURE RELEASE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
9: MISC HAZARDOUS MATERIAL	Gas Vault	Sodium Phosphate, Dibasic, 12-hydrate, Crystal () CAS#: 10039-32-4	name sodium phosphate, dibasic, 12-hydrate, crystal	ehs N	% 100	cas 10039-32-4	SOLID (PURE)	MAX 4.4 LBS AVG 4.4 LBS LC 1.1 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	NONE
NONE	Gas Vault	Succinic Acid, Granular AR () CAS#: 110-15-6	name succinic acid, granular ar	ehs N	% 100	cas 110-15-6	SOLID (PURE)	MAX 500 GR AVG 500 GR LC 500 GR WST 0 GR DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	CHRONIC HEALTH
8: CORROSIVES	Gas Vault	Sulfuric Acid 98% (SULFURIC ACID 98%) CAS#: 7664-93-9	name sulfuric acid 98% water	ehs N N	% 98 2	cas 7664-93-9 7732-18-5	LIQUID (PURE)	MAX 4 GAL AVG 4 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
2.2: NONFLAMMABLE GASES	WSD NPI Lab	Nitrogen, Liquid (NITROGEN, LIQUID) CAS#: 7727-37-9	name nitrogen, liquid	ehs N	% 100	cas 7727-37-9	LIQUID (PURE)	MAX 5593 CUFT AVG 5593 CUFT LC 5593 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: CRYO	PRESSURE RELEASE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	WSD Packaging Lab	2-Propanol (ISOPROPYL ALCOHOL) CAS#: 67-63-0	name 2-propanol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	WSD Packaging Lab	Acetone (ACETONE) CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 3 GAL AVG 3 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
2.2: NONFLAMMABLE GASES	WSD Packaging Lab	Argon () CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	GAS (PURE)	MAX 248 CUFT AVG 248 CUFT LC 248 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.1: FLAMMABLE GASES	WSD Packaging Lab	Forming Gas, 3% H2 balance N2 (Forming Gas) CAS#: NONE	name hydrogen nitrogen	ehs N n	% 3 97	cas 1333-74-0 7727-37-9	GAS (MIXTURE)	MAX 208 CUFT AVG 208 CUFT LC 208 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	NONE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	WSD Packaging Lab	Kester 1544 Soldering Flux () CAS#: NONE	name ethanol methanol isopropyl alcohol	ehs N N N	% 20 5 5	cas 64-17-5 17-56-1 67-63-0	LIQUID (MIXTURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	WSD Packaging Lab	Kester 951 Soldering Flux () CAS#: NONE	name ethanol isopropyl alcohol n-butyl acetate	ehs N N N	% 60 30 10	cas 64-17-5 67-63-0 123-86-4	LIQUID (MIXTURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
NONE	WSD Packaging Lab	Miscellaneous Epoxies (Miscellaneous Epoxies) CAS#: NONE	name miscellaneous epoxies	ehs N	% 100	cas	LIQUID (PURE)	MAX 2 LBS AVG 2 LBS LC 10 LBS WST 0 LBS DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
NONE	WSD Packaging Lab	PF Degreaser (PF Degreaser) CAS#: proprietary	name proprietary	ehs N	% 100	cas	LIQUID (PURE)	MAX 2 GAL AVG 2 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
NONE	WSD Packaging Lab	Vitrex Ultra () CAS#: NONE	name vitrex ultra	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 5 GAL AVG 5 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	NONE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	WSD Packaging Lab	Waste Solvent (Waste Solvents) CAS#: NONE	name isopropyl alcohol acetone	ehs N N	% 50 50	cas 67-63-0 67-64-1	LIQUID (MIXTURE)	MAX 10 GAL AVG 5 GAL LC 10 GAL WST 0 GAL DAYS 365 CUR N/A	CAN	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
5.1: OXIDIZING SUBSTANCES	Scrubber Bay East	Calcium Hypochlorite, Hydrated () CAS#: 7778-54-3	*name* calcium hypochlorite, hydrated	*ehs* N	*%* 100	*cas* 7778-54-3	SOLID (PURE)	*MAX* 55 Lbs *AVG* 55 Lbs *LC* 55 Lbs *WST* 0 Lbs *DAYS* 365 *CUR* N/A	PLASTIC / NONMETALLIC DRUM	*pres:* AMB *temp:* AMB	FIRE, REACTIVE, ACUTE HEALTH
5.1: OXIDIZING SUBSTANCES	Scrubber Bay West	Calcium Hypochlorite, Hydrated () CAS#: 7778-54-3	*name* calcium hypochlorite, hydrated	*ehs* N	*%* 100	*cas* 7778-54-3	SOLID (PURE)	*MAX* 55 Lbs *AVG* 55 Lbs *LC* 55 Lbs *WST* 0 Lbs *DAYS* 365 *CUR* N/A	PLASTIC / NONMETALLIC DRUM	*pres:* AMB *temp:* AMB	FIRE, REACTIVE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	A.9', 6.3	Diesel Fuel (DIESEL) CAS#: 68476-34-6	name: diesel fuel	ehs: N	%: 100	cas: 68476-34-6	LIQUID (PURE)	MAX 150 GAL AVG 150 GAL LC 150 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	AA 8.2	Diesel Fuel (DIESEL) CAS#: 68476-34-6	name: diesel fuel	ehs: N	%: 100	cas: 68476-34-6	LIQUID (PURE)	MAX 250 GAL AVG 250 GAL LC 250 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
2.1: FLAMMABLE GASES	AA, 5	Hydrogen, Liquid (Hydrogen, Liquid) CAS#: 1333-74-0	name: hydrogen	ehs: N	%: 100	cas: 1333-74-0	LIQUID (MIXTURE)	MAX 7200 GAL AVG 7200 GAL LC 3600 GAL WST 0 GAL DAYS 365 CUR N/A	ABOVEGROUND TANK	pres: > AMB temp: CRYO	FIRE, PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	BB, 14.1	Argon (ARGON) CAS#: 7440-37-1	name: argon	ehs: N	%: 100	cas: 7440-37-1	LIQUID (PURE)	MAX 310 CUFT AVG 310 CUFT LC 310 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	CC,10.5	Diesel Fuel (DIESEL) CAS#: 68476-34-6	name: diesel fuel	ehs: N	%: 100	cas: 68476-34-6	LIQUID (PURE)	MAX 275 GAL AVG 275 GAL LC 275 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	Cooling Towers	Bleach (Cooling tower treatment) CAS#: 7681-52-9	name sodium hyopchlorite water	ehs N N	% 12.5 87.50	cas 7681-52-9 7732-18-5	LIQUID (MIXTURE)	MAX 235 GAL AVG 235 GAL LC 235 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	ACUTE HEALTH
2.2: NONFLAMMABLE GASES	D, 3.9	Oxygen, Liquid (Oxygen, liquid) CAS#: 7782-44-7	name oxygen, liquid	ehs N	% 100	cas 7782-44-7	LIQUID (PURE)	MAX 127000 CUFT AVG 127000 CUFT LC 127000 CUFT WST 0 CUFT DAYS 365 CUR N/A	ABOVEGROUND TANK	pres: > AMB temp: CRYO	REACTIVE, PRESSURE RELEASE
8: CORROSIVES	DI Area	Calcium Hydroxide (CALCIUM HYDROXIDE) CAS#: 1305-62-0	name calcium hydroxide	ehs N	% 100	cas 1305-62-0	SOLID (PURE)	MAX 3000 LBS AVG 2000 LBS LC 50 LBS WST 0 LBS DAYS 365 CUR N/A	BAG	pres: AMB temp: AMB	NONE
9: MISC HAZARDOUS MATERIAL	DI Area	Filter Press Waste (Filter Press Waste) CAS#: NONE	name calcium fluoride arsenic water	ehs N N N	% 80 1 20	cas 7789-75-5 7440-38-2 7732-18-5	SOLID (MIXTURE)	MAX 2000 LBS AVG 1000 LBS LC 2000 LBS WST 0 LBS DAYS 365 CUR N/A	BAG, BOX	pres: AMB temp: AMB	NONE
8: CORROSIVES	DI Area	Hydrochloric Acid 38% (HYDROCHLORIC ACID 38%) CAS#: 7647-01-0	name hydrochloric acid water	ehs N N	% 38 62	cas 7647-01-0 7732-18-5	LIQUID (PURE)	MAX 300 GAL AVG 200 GAL LC 300 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
8: CORROSIVES	DI Area	Lime Slurry Tank (CALCIUM HYDROXIDE) CAS#: NONE	name calcium hydroxide calcium chloride water	ehs N n n	% 6 4 10	cas 1305-62-0 10043-52-4 7732-18-5	LIQUID (PURE)	MAX 300 GAL AVG 0 GAL LC 300 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	NONE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	DI Area	Miscellaneous Combustible Liquids (MISCELLANEOUS COMBUSTIBLE OILS) CAS#: NONE	name miscellaneous combustible liquids	ehs N	% 100	cas	LIQUID (PURE)	MAX 40 GAL AVG 30 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	DI Area	Press Plate Cleaning tank (HYDROCHLORIC ACID 38%) CAS#: NONE	name hydrochloric acid water	ehs N N	% 4 96	cas 7647-01-0 7732-18-5	LIQUID (PURE)	MAX 200 GAL AVG 200 GAL LC 200 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	DI Area	Sodium Hydroxide () CAS#: 1310-73-2	name sodium hydroxide water	ehs N N	% 50 50	cas 1310-73-2 7732-18-5	LIQUID (MIXTURE)	MAX 600 GAL AVG 450 GAL LC 300 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH
8: CORROSIVES	DI Area	Sodium Hydroxide (solid) (CAUSTIC SODA PELS) CAS#: 1310-73-2	name sodium hydroxide	ehs N	% 100	cas 1310-73-2	SOLID (PURE)	MAX 3000 LBS AVG 2000 LBS LC 50 LBS WST 0 LBS DAYS 365 CUR N/A	BAG	pres: AMB temp: AMB	ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
9: MISC HAZARDOUS MATERIAL	DI Area	Sodium Metabisulfite (SODIUM METABISULFITE) CAS#: 7681-57-4	name sodium metabisulfite water	ehs N N	% 30 50	cas 7681-57-4 7732-18-5	LIQUID (PURE)	MAX 80 GAL AVG 50 GAL LC 80 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	NONE
8: CORROSIVES	DI Area	Sulfuric Acid 96% (SULFURIC ACID 96%) CAS#: 7664-93-9	name sulfuric acid 98% water	ehs N N	% 96 4	cas 7664-93-9 7732-18-5	LIQUID (PURE)	MAX 110 GAL AVG 110 GAL LC 110 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	DI Area	Waste Acidic Solution (Misc. Corrosive Liquids) CAS#: NONE	name waste acidic solution	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 10000 GAL AVG 10000 GAL LC 5000 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	ACUTE HEALTH
8: CORROSIVES	DI Area	Waste HF Treatment Tank (Fluoride Treatment Tank) CAS#: NONE	name hydrofluoric acid arsenic water	ehs N N N	% 1 1 99	cas 7664-39-3 7440-38-2 7732-18-5	LIQUID (MIXTURE)	MAX 5600 GAL AVG 5600 GAL LC 5600 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	NONE
9: MISC HAZARDOUS MATERIAL	DI Area	Waste Sludge Holding Tanks (Sludge Holding Tank) CAS#: NONE	name calcium fluoride arsenic water	ehs N N N	% 10 1 90	cas 7789-75-5 7440-38-2 7732-18-5	SOLID (MIXTURE)	MAX 5200 GAL AVG 4000 GAL LC 2600 GAL WST 0 GAL DAYS 365 CUR N/A	TANK INSIDE BUILDING	pres: AMB temp: AMB	NONE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
9: MISC HAZARDOUS MATERIAL	HazWaste Storage	Debris contaminated with Arsenic (Debris Contaminated with Arsenic) CAS#: NONE	name debris contaminated with arsenic	ehs N	% 100	cas	SOLID (PURE)	MAX 55 GAL AVG 55 GAL LC 55 GAL WST 5800 GAL DAYS 365 CUR N/A	STEEL DRUM	pres: AMB temp: AMB	ACUTE HEALTH
NONE	HazWaste Storage	Klebosol 1501 (Klebosol 1501-50) CAS#: NONE	name silicon dioxide water	ehs N N	% 30 70	cas 63231-67-4 7732-18-5	LIQUID (MIXTURE)	MAX 120 GAL AVG 120 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	NONE
NONE	HazWaste Storage	Lab Pack (Lab Pack) CAS#: NONE	name lab pack	ehs N	% 100	cas	SOLID (MIXTURE)	MAX 800 LBS AVG 200 LBS LC 10 LBS WST 3000 LBS DAYS 365 CUR N/A	STEEL DRUM, PLASTIC / NONMETALLIC DRUM, CAN, FIBER DRUM, BAG, BOX, GLASS BOTTLE OR JUG, PLASTIC	pres: AMB temp: AMB	NONE
8: CORROSIVES	HazWaste Storage	Sulfuric Acid 96% () CAS#: 7664-93-9	name sulfuric acid 96%	ehs N	% 100	cas 7664-93-9	LIQUID (PURE)	MAX 288 GAL AVG 288 GAL LC 1 GAL WST 288 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH
9: MISC HAZARDOUS MATERIAL	HazWaste Storage	Waste Aluminum Oxide 481706 (Waste Aluminum Oxide 481706) CAS#: NONE	name aluminum oxide arsenic chromium cadmium	ehs N N N N	% 99 1 1 1	cas 1344-28-1 7440-38-2 7440-47-3 7440-43-9	SOLID (MIXTURE)	MAX 3900 LBS AVG 0 LBS LC 500 LBS WST 5325 LBS DAYS 365 CUR N/A	STEEL DRUM, PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
9: MISC HAZARDOUS MATERIAL	HazWaste Storage	Waste Arsenic Contaminated Debris CD 5548 (Waste Arsenic Contaminated Debris CD 5548) CAS#: NONE	name arsenic	ehs N	% 1	cas 7440-38-2	SOLID (MIXTURE)	MAX 4000 LBS AVG 2000 LBS LC 4000 LBS WST 30000 LBS DAYS 365 CUR N/A	TOTE BIN	pres: AMB temp: AMB	CHRONIC HEALTH
8: CORROSIVES	HazWaste Storage	Waste Chromium Trioxide (Waste Chromium Trioxide) CAS#: NONE	name chromic acid hydrofluoric acid water	ehs N N	% 75 10 15	cas 1333-82-0 7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 200 LBS AVG 0 LBS LC 200 LBS WST 800 LBS DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	FIRE, REACTIVE, ACUTE HEALTH, CHRONIC HEALTH
8: CORROSIVES	HazWaste Storage	Waste Ductwork Condensate (from baghous ductwork Phosphate decomposition) CAS#: NONE	name arsenic phosphoric acid water	ehs N 	% 2 78 20	cas 7440-38-2 7664-32-2 7732-18-5	LIQUID (MIXTURE)	MAX 165 GAL AVG 55 GAL LC 55 GAL WST 440 GAL DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	ACUTE HEALTH
2.1: FLAMMABLE GASES	HazWaste Storage	Waste Flammable Aerosols (Waste Flammable Aerosols) CAS#: NONE	name waste flammable aerosols	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 40 LBS AVG 0 LBS LC 1 LBS WST 80 LBS DAYS 365 CUR N/A	STEEL DRUM	pres: AMB temp: AMB	FIRE
8: CORROSIVES	HazWaste Storage	Waste Lead Acid Batteries (Waste Lead Acid Batteries) CAS#: NONE	name lead sulfuric acid	ehs N Y	% 50 50	cas 7439-92-1 7664-93-9	SOLID (MIXTURE)	MAX 20 LBS AVG 0 LBS LC 20 LBS WST 20 LBS DAYS 365 CUR N/A	BOX	pres: AMB temp: AMB	REACTIVE, ACUTE HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
9: MISC HAZARDOUS MATERIAL	HazWaste Storage	Waste Nickel Cadmium Batteries (Waste Nickel Cadmium Batteries) CAS#: NONE	name cadmium nickel	ehs N N	% 50 50	cas 7440-43-9 7440-02-0	SOLID (MIXTURE)	MAX 5 LBS AVG 0 LBS LC 5 LBS WST 10 LBS DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	REACTIVE, CHRONIC HEALTH
4.2: SPONTANEOUSLY COMBUSTIBLE	HazWaste Storage	Waste Pyrophoric debris (Pyrophoric Waste) CAS#: NONE	name waste pyrophoric debris	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 665 LBS AVG 200 LBS LC 200 LBS WST 1640 LBS DAYS 365 CUR N/A	STEEL DRUM, PLASTIC / NONMETALLIC DRUM	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	HazWaste Storage	Waste Solvent () CAS#: NONE	name waste solvent	ehs N	% 100	cas	LIQUID (MIXTURE)	MAX 165 GAL AVG 55 GAL LC 55 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
9: MISC HAZARDOUS MATERIAL	HazWaste Storage	Waste Solvent Contaminated Debris (Waste Solvent Contaminated Debris) CAS#: NONE	name acetone xylene propanol n-methyl pyrrolidone	ehs N N N N	% 1 1 1 1	cas 67-64-1 1330-20-7 67-63-0 872-50-4	SOLID (MIXTURE)	MAX 1250 LBS AVG 500 LBS LC 250 LBS WST 4000 LBS DAYS 365 CUR N/A	STEEL DRUM	pres: AMB temp: AMB	NONE
NONE	HazWaste Storage	Wastewater Treatment Sludge (Wastewater Treatment Sludge) CAS#: NONE	name calcium fluoride water aluminum oxide	ehs N N N	% 50 50 5	cas 7789-75-5 7732-18-5 1344-28-1	SOLID (MIXTURE)	MAX 38000 LBS AVG 20000 LBS LC 2000 LBS WST 83500 LBS DAYS 365 CUR N/A	BOX	pres: AMB temp: AMB	NONE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Acetone (ACETONE) CAS#: 67-64-1	name acetone	ehs N	% 100	cas 67-64-1	LIQUID (PURE)	MAX 6 GAL AVG 6 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
2.2: NONFLAMMABLE GASES	FOPD R&D	Argon (ARGON) CAS#: 7440-37-1	name argon	ehs N	% 100	cas 7440-37-1	GAS (PURE)	MAX 280 CUFT AVG 280 CUFT LC 280 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	FOPD R&D	Carbon Dioxide () CAS#: 124-38-9	name carbon dioxide	ehs N	% 100	cas 124-38-9	GAS (PURE)	MAX 24 LBS AVG 24 LBS LC 24 LBS WST 0 LBS DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
9: MISC HAZARDOUS MATERIAL	FOPD R&D	Envi-ro-tech 1676 Defluxor (Envi-ro-tech 1676 Defluxer) CAS#: NONE	name dichlorofluoroethane ethyl-s(-)-hydroxypropionat ethanol chlorodifluoromethane	ehs N n n n	% 85 2 3.8 16	cas 1717-00-6 97-64-3 67-56-1 75-45-6	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE
8: CORROSIVES	FOPD R&D	Formaldehyde 37% in water (Formaldehyde 37% in water) CAS#: 50-00-0	name formaldehyde water	ehs N N	% 37 63	cas 50-00-0 7732-18-5	LIQUID (MIXTURE)	MAX 0.132 GAL AVG 0.132 GAL LC 0.132 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Hexane (HEXANE) CAS#: 38661-72-2	name hexane	ehs N	% 100	cas 38661-72-2	LIQUID (PURE)	MAX 0.25 GAL AVG 0.25 GAL LC 0.25 GAL WST 0 GAL DAYS 365 CUR N/A	GLASS BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
8: CORROSIVES	FOPD R&D	Hydrofluoric Acid 49% (HYDROFLUORIC ACID 49%) CAS#: 7664-39-3	name hydrofluoric acid water	ehs Y N	% 49 51	cas 7664-39-3 7732-18-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	ACUTE HEALTH, CHRONIC HEALTH
2.2: NONFLAMMABLE GASES	FOPD R&D	Hydrogen 3.8% Balance Argon () CAS#: NONE	name hydrogen argon	ehs N N	% 3.8 96.2	cas 1333-74-0 7440-37-1	GAS (MIXTURE)	MAX 280 CUFT AVG 280 CUFT LC 280 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
5.1: OXIDIZING SUBSTANCES	FOPD R&D	Hydrogen Peroxide 30% (HYDROGEN PEROXIDE 30%) CAS#: 7722-84-1	name hydrogen peroxide water	ehs Y N	% 30 70	cas 7722-84-1 7732-18-5	LIQUID (MIXTURE)	MAX 8 GAL AVG 8 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Isopropyl Alcohol (ISOPROPYL ALCOHOL) CAS#: 67-63-0	name isopropyl alcohol	ehs N	% 100	cas 67-63-0	LIQUID (PURE)	MAX 6 GAL AVG 6 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
6.1: TOXIC SUBSTANCES	FOPD R&D	Jasco Speedomatic Paint Remover (Jasco Speedomatic Paint Remover) CAS#: NONE	name methylene chloride methyl alcohol aliphatic petroleum distillates	ehs N N N	% 81 15 4	cas 75-09-2 67-56-1 64742-96-7	LIQUID (MIXTURE)	MAX 0.125 GAL AVG 0.125 GAL LC 0.125 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	KESTER 2331-ZX ORGANIC FLUX (KESTER 2331-ZX ORGANIC FLUX) CAS#: NONE	name 2-propanol glycerol	ehs N N	% 64 15	cas 78-91-1 56-81-5	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Methanol (METHANOL) CAS#: 67-56-1	name methanol	ehs N	% 100	cas 67-56-1	LIQUID (PURE)	MAX 3 GAL AVG 3 GAL LC 3 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH
NONE	FOPD R&D	Miscellaneous Epoxies (Miscellaneous Epoxies) CAS#: NONE	name miscellaneous epoxies	ehs N	% 100	cas	LIQUID (PURE)	MAX 5 GAL AVG 5 GAL LC 0.25 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Organo-Flux 3355-11 (Organo-Flux 3355-11) CAS#: NONE	name 2-propanol hexylene glycol water	ehs N N	% 45 3 52	cas 67-63-0 107-41-5 7732-18-5	LIQUID (MIXTURE)	MAX 5 GAL AVG 5 GAL LC 5 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC / NONMETALLIC DRUM, PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH

DOT HAZ CLASS	Location	CHEMICAL NAME (COMMON NAME)	HAZARDOUS COMPONENTS				PHYSICAL STATE	QUANTITIES	STORAGE CONTAINERS	STORAGE CODES	SARA CATEGORIES
2.2: NONFLAMMABLE GASES	FOPD R&D	Oxygen (OXYGEN) CAS#: 7782-44-7	name oxygen	ehs N	% 100	cas 7782-44-7	GAS (PURE)	MAX 249 CUFT AVG 249 CUFT LC 249 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	FOPD R&D	Perfluoropropane () CAS#: 76-19-7	name perfluoropropane	ehs N	% 100	cas 76-19-7	GAS (PURE)	MAX 100 LBS AVG 100 LBS LC 100 LBS WST 0 LBS DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
2.2: NONFLAMMABLE GASES	FOPD R&D	Tetrafluoromethane (Halocarbon 14) CAS#: 75-73-0	name tetrafluoromethane	ehs N	% 100	cas 75-73-0	GAS (PURE)	MAX 200 CUFT AVG 200 CUFT LC 200 CUFT WST 0 CUFT DAYS 365 CUR N/A	CYLINDER	pres: > AMB temp: AMB	PRESSURE RELEASE
3: FLAMMABLE AND COMBUSTIBLE LIQUIDS	FOPD R&D	Uresolve Plus (Uresolve Plus) CAS#: NONE	name ethylene glycol monomethyl ether	ehs N N	% 80 4	cas 109-86-4 1310-58-3	LIQUID (MIXTURE)	MAX 1 GAL AVG 1 GAL LC 1 GAL WST 0 GAL DAYS 365 CUR N/A	PLASTIC BOTTLE OR JUG	pres: AMB temp: AMB	FIRE, ACUTE HEALTH, CHRONIC HEALTH

PHILIPS

Emergency Response Team Program Plan

370 West Trimble Road
San Jose, California 95131
January 20, 2012

PHILIPS

LUMILEDS
LIGHT FROM SILICON VALLEY

PHILIPS

Table of Contents

I. PURPOSE 4
II. SCOPE 4
III. EMERGENCY RESPONSE TEAM ACTIVATION PROCEDURES 4
A. EMERGENCY NOTIFICATION 4
B. TEAM LEADER CALL OUT 4
C. ERT RESPONSE TO CALL-OUT 5
D. MERT RESPONSE TO CALL-OUT 5
E. ERT RESPONSE TO BUILDING EVACUATION 5
IV. MEDICAL EMERGENCY 5
A. MEDICAL COVERAGE 5
B. OHN/MERT Actions for Medical Emergencies Response 5
C. IC's Actions for Medical Emergencies Response 5
V. HAZARDOUS MATERIALS EMERGENCY 6
A. IC Coverage 6
B. IC's Actions for Hazardous Materials Emergencies Response 6
C. Evaluate Need for Evacuation 7
D. Securing the Area 7
E. Entry Team 7
F. Containment/Spill Cleanup for Large Spills 7
G. Hazardous Gas Release 8
H. Agency Notification 11
VI. ERT ORGANIZATION 11
A. Team Organization 11
VII. RESPONSIBILITIES OF TEAM MEMBERS 11
A. Responsibilities of ERT Program Manager 11
B. Responsibilities of Incident Commander 12
C. Responsibilities of OHN 12
D. Responsibilities of MERT members 12
E. Responsibilities of Entry team 13
F. Responsibilities of ERT 13
VIII. RESPONSIBILITIES OF IN-HOUSE SUPPORT PERSONNEL 13
A. Responsibilities of Health & Safety Staff 13
B. Responsibilities of SRC Staff 13
C. Responsibilities of Environmental Staff 14
D. Responsibilities of Facilities 14
E. Responsibilities of DI/Waste Treatment 14
F. Responsibilities of Affected Area Supervisor/Engineers 14
G. Responsibilities of Crisis Communication Team (CCT) 14
IX. REQUIREMENTS AND TRAINING 14
A. Requirements for ERT and MERT members 14
B. Training ERT 15
C. Training MERT 15
APPENDIX A: Emergency Checklists 16
INCIDENT COMMANDER 16
LOGISTIC SECTION CHIEF 17
PLANNING SECTION CHIEF 18
OPERATIONS WORKSHEET 19

EVACUATION COORDINATOR 20
SAFETY OFFICER 21
PUBLIC INFORMATION OFFICER 22
DECON TEAM LEADER 23
SECURITY LEADER 24
STAGING AREA MANAGER 25
ENTRY TEAM LEADER 26
ENTRY TEAM 26
ERT DECON TEAM CHECKLIST ROLES 27
ERT ENTRY TEAM 28
SUIT UP CHECKLIST 28
ERT Site Safety Plan 29
APPENDIX B: Hazardous Materials Emergency Response Procedures 31
APPENDIX C: Hazardous Gas Release Response Procedures 33
APPENDIX D: Hazardous Gas Release Response Checklist 37
APPENDIX E: Hazardous Gas Suppliers 40
APPENDIX F: MERT Response to Ammonia Release 41

I. PURPOSE

The purpose of the plan is to outline the response to medical emergencies as well as to minimize hazards to human health or the environment from fires, chemical explosions, or any release of hazardous waste or hazardous material to the air, soil, or surface water. Because of the alarm systems, facilities inspection and routine operation and maintenance, the possibility of an emergency occurrence is significantly reduced. In addition, plant security conducts scheduled visual inspections of all areas during off hours. If any unusual conditions are observed, appropriate follow-up is taken.

II. SCOPE

To respond to and control site emergencies such as fire, explosion, chemical release, and natural disasters. This will be performed within the limits of the emergency response teams' training and capabilities, and placing personnel safety as the highest priority.

III. EMERGENCY RESPONSE TEAM ACTIVATION PROCEDURES

A. EMERGENCY NOTIFICATION

1. Any individual upon discovering an emergency should immediately call the site emergency number 2222 and report the following:
   a. Your name.
   b. The extension you are calling from.
   c. Exact location of the emergency (pillar #, exit #, etc.).
   d. Any additional information regarding the emergency (fire, chemical spill or release, identity of materials involved and estimated quantities, etc.).
2. The appropriate ERT response will be initiated—via text page—by Security Response Center (SRC) personnel, based on the information regarding the emergency.

B. TEAM LEADER CALL OUT

1. In a Medical Emergency:
   a. SRC will perform a Medical Emergency Response Team All Call via text page.
2. In a Hazardous Materials Emergency:
   a. SRC Operator is to contact the IC via mobile phone or text page.
   b. The Incident Commander will respond to the Security Response Center to receive additional information.
   c. In the event the IC does not respond to the page after 3 attempts, SRC will perform an ERT All Call—via text page.
3. Emergency Response Team (ERT) CALL-OUT
   a. In situations that may require the entire site ERT, the SRC Operator is to perform an ERT All Call via text page.
   b. The ERT and Incident Commander will respond to the Security Response Center to receive additional information.
   c. In the event nobody responds to text pages after 3 attempts, SRC will page via overhead: ***"All ERT Members report to the Security Response Center"***.

C. ERT RESPONSE TO CALL-OUT

Upon being paged, team members will group at the designated area and await instructions from the IC.

D. MERT RESPONSE TO CALL-OUT

In a medical emergency, the MERT will respond to the scene of the emergency, bringing supplies to that location.

E. ERT RESPONSE TO BUILDING EVACUATION

The ERT and MERT will report to the Building 91 flagpole to await further instructions from the IC.

IV. MEDICAL EMERGENCY

A. MEDICAL COVERAGE

Emergency coverage will be provided by the site OHN and/or shift Medical Emergency Response Team.

B. OHN/MERT Actions for Medical Emergencies Response

The OHN or MERT members arriving at the scene will assume charge of the injured person(s). She/he will ensure that the following takes place:

1. Assess the victim's condition.
2. Assign first aid support roles, as needed.
3. Ensure that the patient's safety is the first priority throughout the incident.
4. Ensure that a MERT member is with the victim at all times.
5. Inform SRC/IC whether or not an ambulance is required:
   (a) It is important to tell the 911 operator the suspected nature of the medical emergency.
   (b) Confirm with the SRC Operator/IC that an ambulance was contacted and ask for arrival time.
6. Keep Incident Commander updated.
7. Emergency care will be provided to victim(s) until they are released by the OHN/MERT.

C. IC's Actions for Medical Emergencies Response

Upon arriving at the scene, the Incident Commander will assume procedural charge of the emergency. He/she will ensure that the following takes place:

1. Ensure that the patient's safety is the first priority throughout the incident.
2. Ensure that the MERT members responding to the incident is thoroughly protected against all injurious or hazardous conditions.
3. Ensure that an OHN, MERT, or ERT member is with the victim at all times.

4. Designate a person to secure the area (ask uninvolved bystanders to leave).
5. Assign other support roles as needed.
6. If an ambulance is needed:
   - Designate a person to call SRC and request that an ambulance be called.
   - Obtain confirmation that an ambulance was called.
   - Designate SRC personnel to direct paramedics to the scene.
7. With incidents involving chemical contamination, ensure that the victims are decontaminated prior to transport to a medical facility and a MSDS for chemical is available for Paramedics.

Ambulance Call-Out

SRC Personnel will be instructed to call 911 if Paramedics or Ambulance is required. The 911 operators should be given the number of injured employees and the nature of the injuries. Emergency vehicles will be directed to an Employee Entrance and from there to the scene of the incident.

Ambulance/Paramedics

Response time may be between 5 minutes and 30 minutes, with an average of 15-20 minutes. If an ambulance is not here within 15 minutes, the emergency call is to be repeated.

The SRC/IC/OHN must inform the 911 Operator of the following:
1. Number of injuries requiring transportation
2. Type of accident
3. Type of injuries and if chemical related:
   (a) type(s) of chemical(s)
   (b) length of exposure
4. Provide the Dispatcher a phone number to call back for additional information. If possible, an OHN will follow up with a courtesy call to the appropriate Hospital Emergency Room.

V. HAZARDOUS MATERIALS EMERGENCY

A. IC Coverage

1. Between the hours of 0600-1800: Emergency coverage will be provided by a day shift IC, this is typically EHS or the first responder on the scene.
2. Between the hours of 1800-0600: Emergency coverage will be provided by a night shift IC.
4. Non-Production hours - Scheduled non-production hours are only during scheduled shutdowns (typically semi-annually). During these times the Security Response Center will be staffed with Personnel having specific instructions on alarm systems and panels which include selected contacts for each system and emergency notifications including the Facilities on-call, San Jose Fire Department, San Jose Police Department, etc.

B. IC's Actions for Hazardous Materials Emergencies Response

1. Evaluate scope of the emergency.

2. Determine whether ERT should be called out.
3. Establish a command post in the "Cold Zone" of the incident.
4. The command post will function as a communication center. The Incident Commander will be the overall authority and must remain stationed at the Command Post. All communications and decisions will come from this source.
5. Assign roles (Safety, Operations, Security, etc.) as needed.
6. Decide on necessity of shutdown, evacuation, search and rescue.

C. Evaluate Need for Evacuation

1. Evacuate anyone present in the "Hot or Warm Zone" of the Incident.
2. Evaluate if the building needs to be evacuated by considering the following questions:
   a. Use alarm system(s) to determine the need for evacuation.
   b. Should building air intakes be closed?
   c. Should any pipe valves be closed?
   d. If toxic gases are involved, determine wind direction and direct all personnel upwind for their protection.
   e. Should other hazardous or non-compatible material be quickly moved to another location?
   f. Should any electrical sources be shut off?
3. ERT members will assist in any evacuations. Posted evacuation routes in work areas will be used during evacuations except when incident activities or zones block posted evacuation routes. In these cases, employees must be rerouted to alternate evacuation routes.

D. Securing the Area

1. Hot and Warm zones need to be determined based on nature of incident. These off-limit areas surrounding the incident should be cordoned off immediately with barrier tape and traffic cones. Stairways and elevators leading to an off-limit area should also be secured.
2. Site Security, along with area's managers, should assist in monitoring these boundaries so only authorized personnel are allowed to enter.

E. Entry Team

A buddy team consisting of two Entry Team members (two backup ready to assist) should enter the hazardous area as soon as possible to identify the spilled product and its hazards.

1. These two entry team members should be equipped with full protective suits and respiratory protection as needed.
2. Personal protection and equipment to be used should be determined by the IC and the Safety Officer.

F. Containment/Spill Cleanup for Large Spills Greater Than 2' Diameter (Spills less than 2' diameter may be handled locally)

1. IC establishes ERT command post in a non-hazardous location. Assesses and evaluates the emergency:

a. Extent of the release
b. Hazards to personnel and the environment
c. Identity nature of the spilled material

2. IC determines whether spill is within the ERT's capabilities. If not, the San Jose Fire Department is notified. If this is the case, then ERT will serve as a resource to the San Jose Fire Department and ensure personnel safety.
3. The ERT assembles at the Command Post.
4. Perimeter of hazard area is secured by Site Access (ERT) or Security Personnel. The Incident Commander will determine if additional evacuations are necessary.
5. Any rescue operations will be conducted by ERT rescue crews wearing the appropriate levels of PPE. After victims are removed from the hazard area, they should be decontaminated, as necessary, prior to being turned over to the OHN or MERT members for first aid.
6. Spill control crews begin containment by diverting or diking the leading edge of the spill.
7. The source of the leak must be controlled. This may include turning off valves, plugging, up righting containers, or transferring material to another container.
8. Every effort should be made to prevent spill material from entering any storm drain or sewer drainage systems.
9. Once the spill is contained the material can be absorbed or collected using absorbent materials, pumps, or "wet-vacs"(depending on nature of the material).
10. All non-disposable contaminated equipment must undergo decontamination (e.g., rinsing, neutralization, etc.). All ERT members who worked in the hazard area must undergo decontamination prior to removing PPE and leaving the area.
11. All disposable contaminated materials must be appropriately packaged and labeled for hazardous waste disposal. Ensure that there are no free liquids in bags containing absorbent material. Consult EHS Dept. for guidance.
12. After decontamination is complete, the perimeter can be removed and the area re-opened for use.
13. Immediately after the emergency, once the materials are decontaminated, packaged, and labeled, the Environmental Engineering/Emergency Coordinator shall provide guidance for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire or explosion at the facility.
14. The ERT will restore equipment to state of readiness and document the incident response during a debriefing.

G. Hazardous Gas Release

For gas releases related to the bulk ammonia system.

1. SRC will activate the ERT, and review the Life Safety/Gas Monitoring Systems for indications of a release, noting the location and extent of the release.
2. The IC will request the SRC to contact Air Products for assistance as needed. Air Products 24-hour emergency number is: 800-769-9117.
3. The IC establishes ERT Command post in a non-hazardous location. Assesses and evaluates the emergency:
   a. Extent of the release
   b. Hazards to personnel and the environment

The IC determines whether the gas release is within the ERT's capabilities. If not, the San Jose Fire Department is notified. If this is the case, then ERT will assist the San Jose Fire Department, serve as a resource, and ensure personnel safety.

4. The ERT assembles at the Command Post.
5. The IC will ensure that emergency shut-off valves are activated either automatically by the Life Safety System or manually from the emergency control station in the Security Response Center.
6. Perimeter of hazard area is secured by Security and ERT. The IC will determine if additional evacuations are necessary.
7. Any rescue operations will be conducted by ERT rescue crews wearing appropriate levels of PPE. After victims are removed from the hazard area, they should be decontaminated as necessary, prior to being turned over to the OHN or MERT members for first aid.
8. For situations that require ERT entry into the affected area, the IC will assess the situation and direct the ERT members to don the appropriate PPE (based on input from the Safety Officer) for entry into the affected area. Typically the PPE requirements for entry into a toxic gas scenario would include: SCBA, chemical protective gloves, and an encapsulating suit if a corrosive environment might be anticipated.
9. The IC will select the necessary air monitoring equipment for ERT members to evaluate the source and the extent of the release (i.e. MDA TLD Gas Monitor; Micro5PID monitor).
10. In cases where a shut-off valve cannot be activated remotely from the SRC, then ERT should attempt a shutdown of the leaking gas source by closing manual valves, if this can be done without risk. Any tools or equipment that might be utilized to stop or control the gas release should be included. (Note: Only non-sparking tools may be used in conditions where flammable or explosive condition may exist).
11. ERT members may enter the affected area, only after it has been determined that they are properly protected against any threat to their health and safety, in teams of two and with one member in constant radio contact with the Operations or Entry Leader.
12. Upon entering the area the ERT members may then identify and evaluate the source of the gas leak and stop the flow of gas if they have the means of doing so and there is no apparent threat to their health and safety.
13. If a gas leak cannot be contained or treated effectively, then the EHS Department must be alerted in order to contact the appropriate regulatory agencies for notification of significant gas concentrations that might escape the boundaries of the facility and have a potential impact on the surrounding community.
14. Immediately after the emergency, once the materials are decontaminated, packaged, and labeled the Environmental Engineer/Emergency Coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire or explosion at the facility.
15. The ERT will restore equipment to state of readiness and document the incident response during a debriefing.

All other hazardous gas release will follow the below procedure.

1. SRC will activate the ERT, and review the Life Safety/Gas Monitoring Systems for indications of a release, noting the location and extent of the release.

2. The IC establishes ERT Command post in a non-hazardous location. Assesses and evaluates the emergency:
   c. Extent of the release
   d. Hazards to personnel and the environment
   c. Identity and nature of the released gas
3 The IC determines whether the gas release is within the ERT's capabilities. If not the San Jose Fire Department is notified. If this is the case, then ERT will assist the San Jose Fire Department and serve as a resource and ensure personnel safety.
4. The ERT assembles at the Command Post.
5. The IC will ensure that emergency shut-off valves are activated either automatically by the Life Safety System or manually from the emergency control station in the Security Response Center.
6. Perimeter of hazard area is secured by Security and ERT. The IC will determine if additional evacuations are necessary.
7. Any rescue operations will be conducted by ERT rescue crews wearing appropriate levels of PPE. After victims are removed from the hazard area, they should be decontaminated as necessary, prior to being turned over to the OHN or MERT members for first aid.
8. For situations that require ERT entry into the affected area, the IC will assess the situation and direct the ERT members to don the appropriate PPE (based on input from the Safety Officer) for entry into the affected area. Typically the PPE requirements for entry into a toxic gas scenario would include: SCBA, chemical protective gloves, and an encapsulating suit if a corrosive environment might be anticipated.
11. The IC will select the necessary air monitoring equipment for ERT members to evaluate the source and the extent of the release (i.e. MDA TLD Gas Monitor; Micro5PID monitor).
12. In cases where a shut-off valve cannot be activated remotely from the SRC, then ERT should attempt a shutdown of the leaking gas source by closing manual valves, if this can be done without risk. Any tools or equipment that might be utilized to stop or control the gas release should be included. (Note: Only non-sparking tools may be used in conditions where flammable or explosive condition may exist).
11. ERT members may enter the affected area, only after it has been determined that they are properly protected against any threat to their health and safety, in teams of two and with one member in constant radio contact with the Operations or Entry Leader.
12. Upon entering the area the ERT members may then identify and evaluate the source of the gas leak and stop the flow of gas if they have the means of doing so and there is no apparent threat to their health and safety.
13. In the case of a leaking cylinder stored outside of an exhausted gas cabinet, it should be placed in an exhausted Leaker (Cylinder) Cabinet. The cylinder's vendor should then be notified immediately to arrange emergency transport of the faulty cylinder back to their facility (see Emergency Phone Listings for Compressed Gas Vendors in the appendix).
14. If a gas leak cannot be contained or treated effectively, then the EHS Department must be alerted in order to contact the appropriate regulatory agencies for notification of significant gas concentrations that might escape the boundaries of the facility and have a potential impact on the surrounding community.
15. Immediately after the emergency, once the materials are decontaminated, packaged, and labeled the Environmental Engineer/Emergency Coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that

results from a release, fire or explosion at the facility.

16. The ERT will restore equipment to state of readiness and document the incident response during a debriefing.

H. Agency Notification

1. The Incident Commander should consult with the Environmental Engineer about the need to notify the agencies listed below. If such an accidental release occurs, the facility must immediately notify the local emergency planning commission and state emergency response commission for any area likely to be affected by the release. In addition, spills of CERCLA hazardous substances must also be reported to the National Response Center at 800-424-8802.
   a. Office of Emergency Services (800-852-7550)
   b. Regional Water Quality Board (510-622-2369)
   c. Cal/OSHA District Office (Oakland) (510-622-2916)
   d. Dept. of Fish & Game (707-944-5523)
   e. BAAQMD (415-771-6000)
   f. SJ/SC Water Pollution Control Plant (408-793-5375 or 408-945-3000)
      Sanitary Sewer Overflow (SSO) Dispatch (408-794-1900)
      SC County (408-918-3400)
   g. Dept. of Toxic Substances Control (510-540-2122)
2. In the event of a significant fire, the San Jose Fire Department will be automatically notified via internal systems. When the Fire Department arrives on site, all Response Team efforts will come under their control. Response Team members will stand by in advisory capacity to assist where needed and directed by the Fire Department person in charge.

VI. ERT ORGANIZATION

A. Team Organization

1. ERT is comprised of the ERT Program Manager, Incident Commanders, OHN, MERT, Chemical Handlers, Facilities, Production and Line Maintenance personnel. The Program Manager will act as backup for the Incident Commanders.
2. In-house Support Personnel: Support groups (including environmental engineering, facilities operations/maintenance, process engineering, design engineering, etc.) consisting of persons with process, chemical and safety backgrounds and available for advice to the Incident Commander.

VII. RESPONSIBILITIES OF TEAM MEMBERS

A. Responsibilities of ERT Program Manager

1. Selection of team members.
2. Provides training for ERT team, both monthly training as well as 40 hour training.
3. Evaluation of team performance.

4. Functions as an incident commander as necessary.
5. Assists IC with generating incident documentation and follow-up action items.

B. Responsibilities of Incident Commander

1. Non-incident responsibilities
   a. Help in conducting ERT Training, leading during quarterly drills.
2. Incident responsibilities for hazardous materials emergency response
   a. Responds to ERT IC call outs
   b. Evaluates scope of the emergency (Including medical response)
   c. Determine whether ERT should be called out.
   d. Decides on necessity of evacuation, shutdown, and search and rescue.
   e. Determine whether San Jose Fire Department should be notified.
   f. Directs activities of ERT during an incident in containing and controlling the emergency.
   g. Appoints the following positions as needed, with a minimum of:
      i) Safety Officer
      ii) Operations Chief
      iii) Entry Team Leader
      iv) Decon Team Leader
      (Checklists for these positions, as well as checklists for other key staff positions are in Appendix B).
   h. Gives updates to crisis communication team as needed.
   i. Coordinates activities with professional emergency services (San Jose Fire Department etc.)
   j. Gives "all clear" for re-entry or re-use of affected area(s).
   k. Directs a review session to evaluate the effectiveness of the emergency response during the evacuation and generates incident documentation and follow-up action items

C. Responsibilities of OHN

1. Non-Incident responsibilities
   a. Selection of MERT members.
   b. Evaluation of MERT members' performance.
   c. Coordinate/conduct MERT training.
   d. Provide Bloodborne Pathogen training to MERT members.
   e. Ensures that ERT and MERT are medically qualified to perform tasks associated with hazardous materials and/or medical response emergencies.
2. Incident responsibilities
   a. Medical care of victim(s)
   b. Directs MERT members and medical support personnel in the care of injured persons.

D. Responsibilities of MERT members

1. Provides immediate first aid response capability for medical emergencies.
2. Directs the activities of ERT members during response for medical emergency.

3. Coordinates Medical activities with operations during joint emergencies.
4. Passes medical information over to ambulance on arrival.

E. Responsibilities of Entry team

1. Removes victims.
2. Identify the spill.
3. Contain the spill.
4. Assist in shutting down production equipment.
5. Decon victims, personnel and equipment.
6. Cleanup the spill.

F. Responsibilities of ERT

1. Assist in roping off area of concern and crowd control.
2. Assist OHN or MERT in the care of injured persons.
3. Suit-up Entry Team and Decon Team.
4. Review MSDS and other reference materials.
5. Maintain emergency response equipment and supplies.

VIII. RESPONSIBILITIES OF IN-HOUSE SUPPORT PERSONNEL

Other support groups (including facilities electricians, HVAC, plumbing, engineering, process engineering, design engineering, etc.) consisting of persons with process, chemical and safety backgrounds are available for advice to the Incident Commander.

A. Responsibilities of Health & Safety Staff

1. The Safety Liaison will act as a resource for ERT IC when present.
2. The Occupational Health Nurse will act as a resource to MERT and ERT IC when present.
3. Provide training courses and drills to ERT members and MERT, as required.
4. Notify outside regulatory agencies when required (e.g., Fire Department, Cal/OSHA, etc.).

B. Responsibilities of SRC Staff

1. Monitor alarms.
2. Assist in evacuating affected areas.
3. Control personnel and vehicles, as directed.
4. Secure perimeters of emergency scene, as directed.
5. Direct emergency vehicles to emergency scene.
6. Assist in roping and securing off area of concern.
7. The security staff will be available to support the team in the event of an emergency in those functions that are part of their regular duties.

C. Responsibilities of Environmental Staff

1. Provide and maintain hazardous materials spill clean-up equipment.
2. Notify appropriate governmental agencies (i.e., OES, RWQCB, Santa Clara County Pollution Control, Dept. of Fish & Game, etc.)
3. Advise/direct IC in hazardous waste cleanup and disposal. When necessary arrange for off-site vendors or other services needed.

D. Responsibilities of Facilities

1. Provide additional personnel to support ERT activities.
2. Advise IC on facilities equipment/process knowledge if needed (i.e., duct systems, air intakes etc.).
3. Perform utility shut-downs when necessary.
4. Control fire sprinkler valves upon direction of ERT Leaders/Fire Department.

E. Responsibilities of DI/Waste Treatment

1. Provide and maintain hazardous materials spill clean-up equipment.
2. Perform DI and Waste shutdowns, transfers when necessary.
3. Advise IC on process knowledge (i.e., waste drains, pumping tanks etc.).

F. Responsibilities of Affected Area Supervisor/Engineers

1. Ensure orderly and rapid area evacuation when necessary.
2. Shut-down process controls, manufacturing equipment, supply gases, etc. as needed.
3. Assist in correcting the immediate problem(s), if safe to do, under the direction of the ERT Incident Commander.

G. Responsibilities of Crisis Communication Team (CCT)

1. The Crisis Communication Team (CCT) will receive information regarding the incident from the Incident Commander. The CCT will prepare statements for the press, if needed. They will provide information to the press regarding the incident.

IX. REQUIREMENTS AND TRAINING

A. Requirements for ERT and MERT members

1. Meets health standards.
2. Take and pass state certified 40 hour Haz Mat Industry Technician course per CSTI standards and requirements
3. Perform all tasks in a teamwork environment.
4. Must not have any work related performance problems during the year.
5. Per ERT Program Manager's discretion, maintain knowledge and training skills throughout 12

hours of monthly training annually.

B. Training ERT

1. Monthly training sessions, which include review of the following (12 hrs):
   * Decontamination
   * Suit-Up
   * Hazardous Materials Response/Gas Releases
   * Personal Protective Equipment
   * Hazard Detection & Monitoring Devices
   * Incident Command System
   * SCBA Suit-up
   * Search & Rescue/Victim Handling
   * Fire Suppression
2. Semi-annual Drills

C. Training MERT

1. Bi-monthly training sessions which include reviews of the following:
   * First Aid Training/Certification
   * Cardiopulmonary Resuscitation (CPR)
   * Bloodborne Pathogens
   * Basic Observation and Assessments
   * Vital Signs
   * Administration of oxygen
   * Interface with Professional Emergency Medical Services.
   *. Disaster Management/Lift & Moving Patients
2. Drills
3. AED training and annual certification

X. Document Control Log

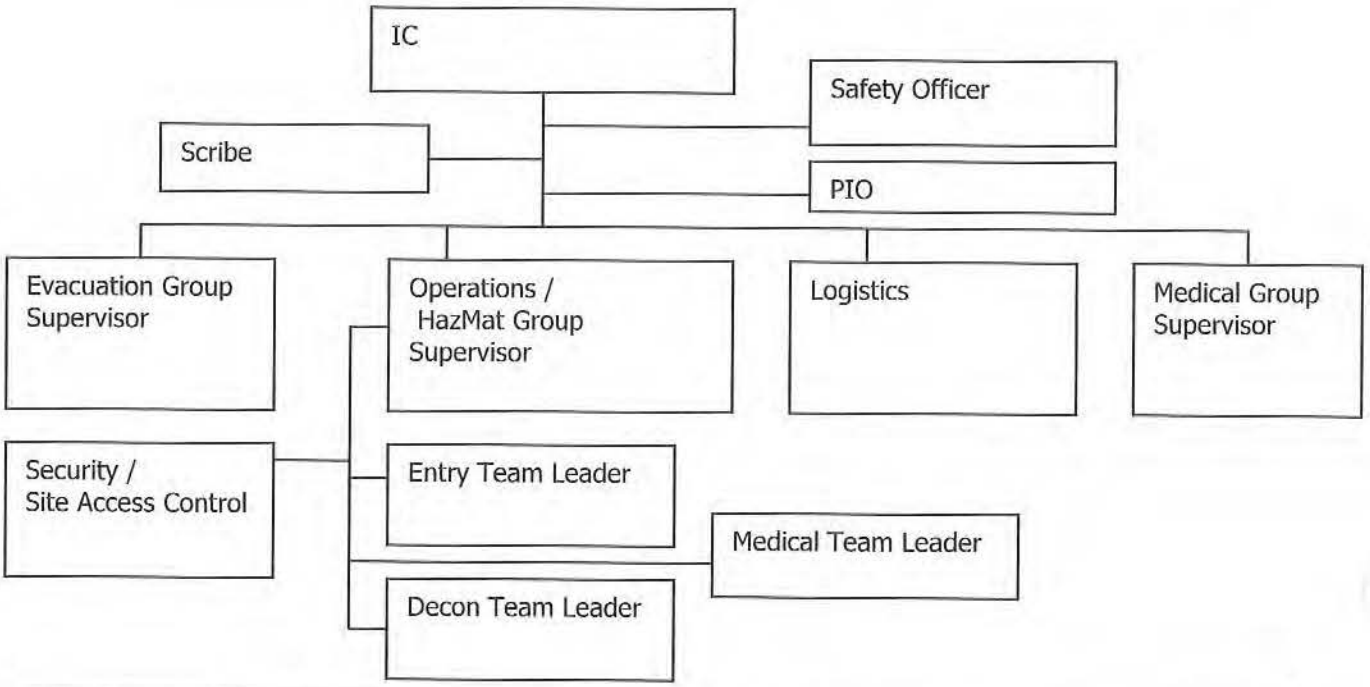
TITLE	Philips Lumileds Emergency Response Team Program Plan			
DOCUMENT OWNER	Joyce Gee			
REV NO.	**CHANGE DETAILS**	**INITIATED BY**	**AUTHORIZED BY**	**DATE**
1.0	Updated with bulk ammonia response information	Joyce Gee	Dan Janowski	11/19/2010
2.0	Verified/updated contact names and phone numbers	Joyce Gee	Dan Janowski	1/20/2012

APPENDIX A

EMERGENCY CHECK OFF SHEETS

Incident Commander Worksheet

Date:	Time:	Location:
Incident Description:		



Isolate & Deny Entry – Assign site access control

Verify Evacuation – assign Evacuation Coordinator

Chemical Involved:

Chemical Hazards:

Incident Objectives:

Action Plan:

Signature _____ Date: _____

PHILIPS

LOGISTIC SECTION CHIEF
CHECKLIST
(IC←LOGISTICS)

RESPONSIBILITIES: Responsible for providing facilities, services and material in support of the incident.

DUTY CHECKLIST:

[ ] Obtain situation briefing from Incident Commander

[ ] Don Identification vest

[ ] Appoint and brief staff as needed.
- [ ] Security
- [ ] Staging

[ ] Establish location of Personnel Staging Area.

[ ] Determine and provide logistic needs to support present and planned incident operations.

[ ] Coordinate and process requests for additional resources.

[ ] Advise IC on current service and support capabilities

[ ] Confer with Incident Commander, Plans, & Operations as needed.

[ ] Ensure general welfare and safety of Logistics Section personnel

[ ] Forward all reports/documentation to Incident Commander.

PHILIPS

PLANNING SECTION CHIEF
CHECKLIST
(IC←PLANS)

RESPONSIBILITIES:
Responsible for the collection, evaluation, dissemination and use of information about the incident and status of resources. Information is needed to 1) understand the current situation, 2) predict probable courses of incident events and 3) prepare alternative strategies and control operations for the incident.

DUTY CHECKLIST:

[ ] Obtain situation briefing from Incident Commander.

[ ] Don Identification vest.

[ ] Reassign initial response personnel to incident positions as appropriate

[ ] Establish a weather data collection system or lines of communication as needed

[ ] Develop Incident Action Plan; submit to Incident Commander for approval.

[ ] Assemble information on alternative strategies for response.

[ ] Identify need for use of specialized resources.

[ ] Confer with Logistics to exchange resource information.

[ ] Provide periodic predictions on incident potential, or changes in the incident to the IC.

[ ] Compile and display incident status summary information
  [ ] Assign Scribe as needed

[ ] Provide incident traffic plan

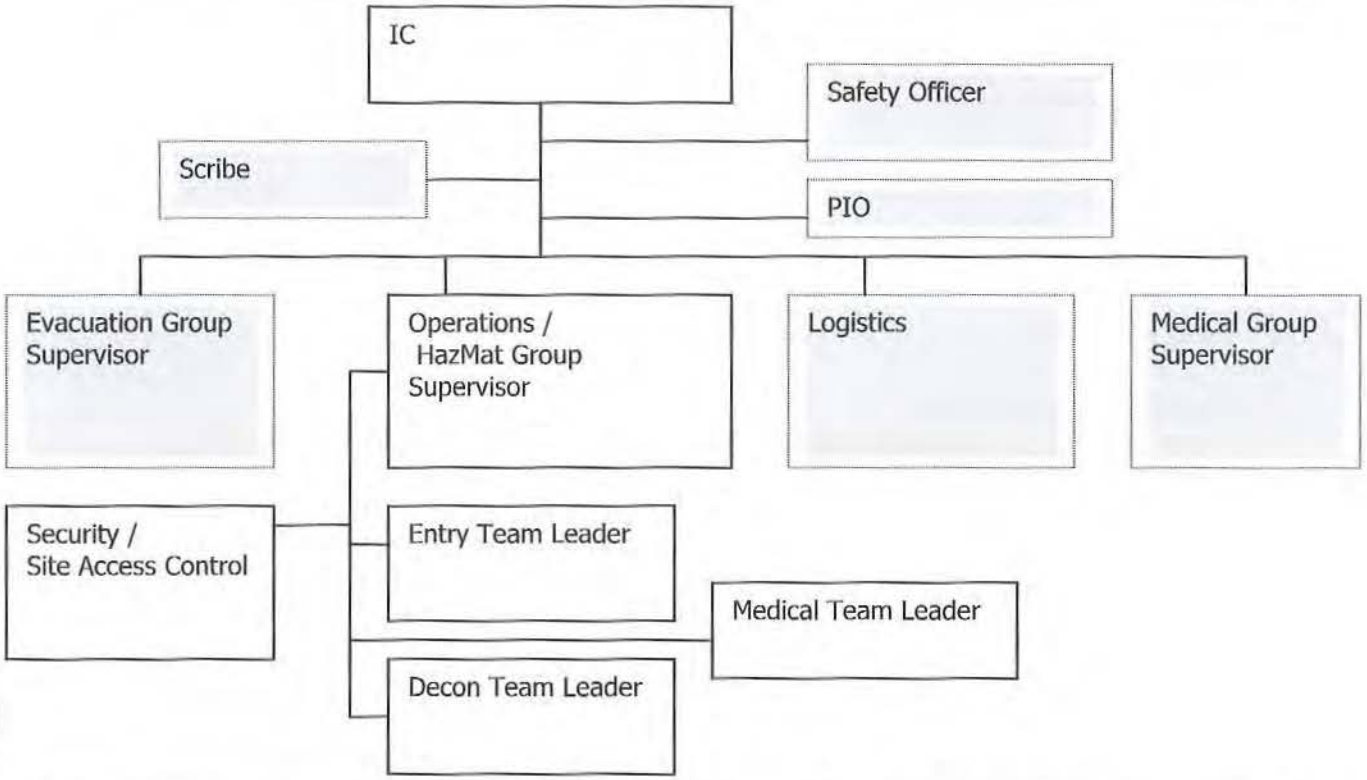
[ ] Ensure that normal agency information collection and reporting requirements are being met.

[ ] Prepare recommendations for release of resources to the IC.

PHILIPS

OPERATIONS WORKSHEET

Date:	Time:	Location:
Incident Description:		



Verify Site Access Control . . . ID Hot Warm Cold Zones - Up hill, Up Wind of hazard

Assign Entry Team Leader & Decon Team Leader

Verify Pre-entry medicals with Medical Team Leader

Verify Site Safety Plan with Safety Officer

Chemical Involved:

Chemical Hazards:

Incident Objectives:

Action Plan: Keep everyone on same page. Establish communications with Fire Dept

Signature _____ Date: _____

EVACUATION COORDINATOR CHECKLIST (IC← OPERATIONS ←EVACUATION)

RESPONSIBILITIES:
Secure evacuation routes and areas from unauthorized personnel and to remove other building occupants away from the Hot Zone as needed.

[ ] Obtain briefing from Ops.

[ ] Don Identification Vest.

[ ] Assess situation.

[ ] Develop Evacuation Plan.
- [ ] Ensure that evacuation routes do not interfere with ERT Incident Operations.
- [ ] Ensure evacuation assembly areas do not interfere with ERT Incident Operations.

[ ] Notify Ops that evacuation plan has been prepared.

[ ] Implement Evacuation Plan as directed by Operations.

[ ] Designate individuals to guide employees in the appropriate direction.
- [ ] Provide these ERT members with green ERT arm bands for identification

[ ] Update Ops when evacuation is complete and as necessary.

[ ] Evaluate Progress/Receive Updates.

[ ] Forward all reports/documentation to the Incident Commander.

PHILIPS

SAFETY OFFICER
(IC←SAFETY)

RESPONSIBILITIES: Responsible for monitoring and assessing hazardous and unsafe situations and developing measures for assuring personnel safety. The Safety Officer will also collect hazard information for any chemical substances likely to be experienced during the incident.

[ ] Obtain situation briefing from Incident Commander.

[ ] Don Identification vest/

[ ] Identify existing and potential hazardous situations associated with the incident.

[ ] Keep all personnel informed of existing and impending hazards.

[ ] Complete Site Safety Plan

[ ] Review Incident Action Plan.

[ ] Review and brief team on Site Safety Plan, ensure sign off by IC and Operations

[ ] Exercise emergency authority to stop and prevent unsafe actions.

[ ] Investigate accidents occurring within incident area.

[ ] Survey the area for dangerous situations.

[ ] Evaluate the following items, do they pose a safety hazard, do they need to be mitigated?

Utilities

[ ] Natural gas. [ ] Electrical power.
[ ] Sewer. [ ] Water.

Hazardous Materials

[ ] Toxic gasses. [ ] Corrosives. [ ] Oxidizers.
[ ] Flammable gasses/liquids.
[ ] Poisons. [ ] Other _____

Buildings

[ ] Structural integrity.
[ ] Flooding as it relates to fire control activities.
[ ] Rupture of vessels, tanks or pipes possible dangers.
[ ] Maintain log of activities and other pertinent information.

[ ] Forward all reports to IC.

PHILIPS

PUBLIC INFORMATION OFFICER
CHECKLIST
(IC←PIO)

RESPONSIBILITIES: Formulates and releases information about incident to appropriate personnel and/or media, communicates directly with the Site Crisis Communication Team and/or is fully integrated into that function.

[ ] Don Identification Vest.

[ ] Obtain situation briefing from Incident Commander.

[ ] Establish contact with other departments affected or media.
- [ ] Managers.
- [ ] Supervisors.
- [ ] General Manager.
- [ ] Newspaper, TV, Radio, etc.

[ ] Establish single incident information center wherever possible

[ ] Arrange for necessary work space, materials, telephones and staffing.

[ ] Maintain communication with Incident Commander to get situation updates.

[ ] Observe constraints on the release of information imposed by the IC.

[ ] Obtain approval for release from IC.

[ ] Attend meetings to update information releases.

[ ] Respond to special requests for information.

[ ] Maintain Log of activities and other pertinent information.

PHILIPS

DECON TEAM LEADER

RESPONSIBILITIES: Establish and manage Decontamination Operations. Reports to HazMat Group Supervisor, or Operations, or IC

Date: _____ Time Started: _____

1. ID Material _____

   Hazards: _____

   Decon Solution _____

   Level of Protection for Decon Team: _____

2. **(Sketch Map ON BACK)** ID Hot Zone, Cold Zone, Decon Corridor
   Consider: Uphill, upwind . . . consider run-off
   ID Water Source

3. **Personnel Tracking**

Name DECON TEAM	Trained / Qualified	Pre suit up Meds	Time on Air	Time off Air	Post suit up meds

4. **Post Incident Critique / Comments / Suggestions** **(use back if necessary)**

Completed by: _____ Date: _____

Name / Signature

Return all pages to IC to complete incident report

PHILIPS

SECURITY LEADER
CHECKLIST
(IC←LOGISTICS←SECURITY)

RESPONSIBILITIES:
Secure and deny entry to surrounding, cold zone, incident area from unauthorized personnel, traffic or media.

DUTY CHECKLIST:

[ ] Obtain briefing from Logistics.

[ ] Don identification Vest.

[ ] Secure area as needed.
- [ ] Direct unauthorized people to appropriate areas.
- [ ] Utilize barricade tape, signs to mark areas off limits.
- [ ] Maintain safety procedures.

[ ] Meet and direct off site emergency equipment (ambulance, etc.) to appropriate area.

[ ] Assist with Evacuation as required.

[ ] Meet and direct media personnel to appropriate area.

[ ] Update Logistics as necessary.

[ ] Forward all reports/documentation to the Incident Commander.

STAGING AREA MANAGER
CHECKLIST
(IC←LOGISTICS←STAGING)

RESPONSIBILITIES: Responsible for managing all activities within the staging area.

DUTY CHECKLIST:

[ ] Obtain briefing from Logistics.

[ ] Don identification Vest.

[ ] Assemble all unassigned personnel in personnel Staging Area.

[ ] Establish staging area layout.

[ ] Determine any support needs for equipment, feeding, sanitation and security

[ ] Take a separate count of Chemical Handlers and Support Personnel.

[ ] Release personnel as requested by Incident Commander, Operations, Logistics or Planning.

[ ] Request maintenance service for equipment at Staging Area as appropriate.

[ ] Keep record of equipment released.

[ ] Update Logistics as necessary.

[ ] Maintain staging area in orderly condition.

[ ] Forward all reports/documentation to the Incident Commander.

PHILIPS

ENTRY TEAM LEADER

RESPONSIBILITIES: Managing all activities in the Hot Zone. Reports to HazMat Group Supervisor, or Operations, or IC

Date: _____ Time Started: _____

1. **ID Material Hazards:** (3 references) _____

_____

Level of Protection for Entry Team & Back Up Team: _____

5. **(Sketch Map on Back)** ID Hot Zone, Cold Zone, Decon Corridor Entry Points, Emergency Exits

6. **Incident Action Plan / Objectives**

_____

7. **Required Equipment**

Communications	Channel	Radio Check
Rescue Equipment		
Monitoring Equipment		
Sampling Equipment		
Fire Suppression Equipment		

8. **Pre-Entry Briefing (Review Incident Objectives and Site Safety Plan)**
Time Completed: _____

9. **Personnel Tracking**

Name ENTRY TEAM	Trained / Qualified	Pre suit up Meds	Time on Air	Time into Decon	Time off Air	Time to Medical	Post suit up meds	Injuries
Rescue Team								

10. **Post Incident Critique / Comments / Suggestions** (use back if necessary)

Completed by: _____ Date: _____

Return all pages to IC to complete incident report

PHILIPS

ERT DECON TEAM CHECKLIST ROLES

1. SPRAYER (1) : To ensure proper wash down of contaminated person. Sprayer is only one to make initial contact.
   Name _____
2. SCRUBBER (2): Applies surfactant as needed, uses scrub brushes to remove contaminant from suits. One scrubber per decon pool.
   Name(s) _____and_____.
3. STRIPPER (1-2): To properly remove all contaminated clothes from victim, as well as to assist entry team disrobe from suits. Bags all items as needed.
   Name(s) _____and_____
3. DECON LEADER (1): To ensure Decon procedures are being followed per checklist. To help remove SCBA and RADIO, and escort to Medical for observation. Reports to IC
   Name:_____

DECON SUIT UP

[ ] Rubber Boots.
[ ] Suit (appropriate Level of Protection, confirm with Ops)
[ ] Gloves.
[ ] Respiratory Protection (SCBA or APR as needed, confirm with Ops)

EQUIPMENT NEEDED

[ ] Hose with spray wand
[ ] Water
[ ] Trash can
[ ] Rolls of Plastic or tarp
[ ] Trash Bags.
[ ] Buckets and brushes
[ ] Decon Pools
[ ] Decon solutions as needed
[ ] Portable pump sprayer for solution
[ ] pH paper
[ ] Chairs

SET-UP PROCEDURES FOR DECON AREA

[ ] Set up boundaries for entry and exit through warm zone to hot zone
[ ] Lay down tarp
[ ] Set up pools
[ ] Set up tool drops
[ ] ID water source, hook up hose, charge line
[ ] Fill portable sprayer with water and decon solution
[ ] Set up chairs and plastic bags at exit

PROCEDURE STEPS

[ ] 1 of 2 Strike Team members step into pool.
[ ] Spray with decon solution, rinse and scrub from head to toe for approx. 5 min
[ ] Help team member out of pool (repeat as needed in second pool with water rinse)
[ ] Roll down suit from top down (Carefully in detail).
  [ ] Open up back zipper.
  [ ] Peel forward and down (away from body) including arms/gloves.
  [ ] Monitor to help team member take off SCBA and radio.
[ ] Escort to Medical area for observation.
[ ] Collect contaminated equipment for disposal.
  [ ] Label containers with contaminated clothing, pool contents per environmental

PHILIPS

ERT ENTRY TEAM
SUIT UP CHECKLIST

Entry Team Member Name:_____ Entry Team Member Name:_____

[ ] **Confirm willingness of Entry Team to suit up**
- [ ] No facial hair in area of face seal
- [ ] No medical restrictions
- [ ] Check with MERT to ensure vitals are taken and in the acceptable range **BEFORE** suiting up

[ ] Remove all sharp objects from pockets including badges, pens, cell phones & pagers

[ ] Remove shoes

[ ] Place feet into suit, pull up suit to waist of entry team member

[ ] Put boots onto entry team member, pull down suit cuffs over boots

[ ] **Don SCBA backpack with cylinder**
- [ ] Check cylinder gauge, ensure it's in the green range
- [ ] Check the mask regulator by removing it from the storage cup on the belt strap
  - [ ] Ensure the bypass valve (red valve) is fully closed (turn clockwise until it stops)
  - [ ] Return the mask regulator back to the storage cup on the belt strap
- [ ] Turn on air by rotating cylinder valve fully until the turn knob stops
- [ ] Check regulator pressure gauge on shoulder strap, ensure it reads properly
- [ ] Put on the SCBA, adjust shoulder straps and belt strap

[ ] **Notify Operations that entry team members are ready for instructions**
- [ ] Receive instructions from Operations and brief entry team
- [ ] Review emergency hand signals with entry team for:
- [ ] No air [ ] Send more help [ ] Everything fine

[ ] **Don SCBA Face Mask**
- [ ] Position mask on chin first, pull straps up and over head
- [ ] Tighten two chin straps first, until snug
- [ ] Tighten two temple straps next, until snug
- [ ] Tighten head strap last, until snug
- [ ] Perform negative pressure check (cover mask hook up hole w/hand, inhale, mask should collapse)
- [ ] Remove mask regulator from belt, clip into face mask, INHALE, air should flow
- [ ] Record time on air _____

[ ] **Complete suit-up**
- [ ] Put on inner/outer gloves as needed (Level B and below only)
- [ ] Stand up and pull up suit while putting hands through sleeves
- [ ] Zip up suit (seal velcro closure on level A suit)
- [ ] Level B and below ONLY
  - [ ] Tape gloves, zipper and crotch and waste as needed with chemical tape, NOT duct tape!
- [ ] Have entry team give you a thumbs up if they are ready to go
- [ ] Release entry team to enter hot zone, record time

PHILIPS

ERT Site Safety Plan

Incident Name:	Time:	Date:

Site Information

Incident Location:
Safe Access Route to Incident Site for ERT:
Safe Access Route to Incident Site for Emergency Services:
Command Post Location:
Weather Conditions:
Wind Direction: Speed: Temp:
Forecast:

Organization

Incident Commander:	
Safety:	Staging:
Operations:	Security:
Planning:	Medical:
Logistics:	PIO:

Entry Leader:		Decon Leader:
Entry	Back-Up	Decon
Entry	Back-Up	Decon
Entry	Back-Up	Decon
Entry	Back-Up	Decon

Hazard Evaluation

Chemical Name(s):
Chemical Hazard(s):

Incident Action Plan / Objectives

Safety

Safety Precautions:

Monitoring

LEL instrument(s):	[ ] continuous, or:
O2 instrument(s):	[ ] continuous, or:
Toxicity /PPM instrument(s):	[ ] continuous, or:
pH:	Fluoride:

Protective Clothing
Entry & Rescue Level:
Decon Level:

Decontamination
Decon Corridor Location:
Standard Decon: [ ] YES [ ] NO
If Decon must be modified, the modified layout and procedure will consist of:
Decon solution for Personnel:
Decon solution for Equipment:
Effectiveness of Decon to be verified by (pH, Spilfyter etc.):

Communications		
Talk Groups assigned:	Command Staff:	Entry Team:
Additional Communications utilized:	Command Staff:	Entry Team:
Review Back Up Hand Signals		

Health	
	Entry and Decon Personnel have pre-entry and post-entry vitals completed by qualified MERT personnel. (attach copy of medical monitoring from)
+	Emergency First Aid and transportation will be provided by _____ and the medical facility will be notified of the situation resulting in the injury.
Medical Unit:	Location:

Emergency Procedures	
+	**Rescue: In the event a rescue of the entry team is required, the Rescue team will be notified by:**
+	**Escape/Evacuation Alarm for Entry Team/ERT:**
+	**Entry Team Escape Route:**
+	**Supporting ERT Escape Route:**
+	**Escape/Evacuation Alarm for site employees:**
+	**Location of Safe Refuge Area:**
+	**Site employee evacuation route(s):**

Plan Review		
All Entry, Rescue, and Decon Personnel have been briefed on the plan prior to entry.		Time
No changes shall be made to this plan without approval of the Safety Officer		
Safety Officer SIGNATURE	Date	Time
Operations SIGNATURE	Date	Time
Incident Commander SIGNATURE	Date	Time

PHILIPS

APPENDIX B

HAZARDOUS MATERIAL EMERGENCY RESPONSE CONTRACTORS/SUPPLIES/EQUIPMENT

CONTRACTORS

1. Decon Env. Services
   23490 Connecticut Street
   Hayward, CA 94545
   Emergency 24 hr.: 800-925-4994
   Ron Reynolds (Dispatch): 510-750-4905
   Ken Haskell: 510-385-5612
   Services: Emergency Decontamination, Waste Disposal

2. Clean Harbors Env. Services
   1040 Commercial Street
   San Jose, CA 95112
   Phone: 408-451-5000
   Services: Waste Disposal

APPENDIX B (cont)

SUPPLIES, SYSTEMS AND EQUIPMENT:

A. FIRE PROTECTION SYSTEMS

1. Automatic sprinkler protection throughout the facility.
2. Manual pull boxes and local alarm bells.
3. Smoke detectors.
4. Hydrant System.

B. PORTABLE FIRE EXTINGUISHER

In all storage and process areas.

C. EMERGENCY POWER AND LIGHTING

Throughout the site.

D. EMERGENCY COMMUNICATION

1. Portable radios
2. Mobile phones
3. In house telephone system
4. Public address system

E. AIR SAMPLING EQUIPMENT

1. Micro5PID meter.
2. MDA TLD Portable Toxic Gas Monitor
3. Fixed Vertex Toxic Gas Monitoring Systems

F. VEHICLES

The site maintains a fleet of vehicles that can be used in emergency situations. The vehicles that could be used consist of the following:
1 Truck, 1 Forklift and a variety of fleet vehicles

APPENDIX C
HAZARDOUS GAS RELEASE RESPONSE PROCEDURES

For ammonia gas release related to the bulk ammonia system, the ERT, IC, or the SRC will contact Air Products to assist with emergency response. Air Products 24-hour emergency number is: 800-769-9117.

For hazardous gas release situations, the following procedures should be followed by personnel involved in the incident. These employees may include but are not limited to: Materials Handlers, Line Maintenance, Facilities Maintenance, and the Gas Vendors or Suppliers. The scenarios covered in the context of this procedure include two basic scenarios:

1) Gas releases from a cylinder external to a exhausted gas cabinet; and
2) Gas releases from cylinder or gas panel in an exhausted gas cabinet.

I. Gas cylinder release outside of an exhausted enclosure

Gas cylinder leaks outside of exhausted enclosures would typically fall into one of the three following categories: 1) upon initial receipt of the cylinder from the supplier; 2) while transporting the cylinder to or from a storage area or cabinet for use; and 3) at a cylinder storage location. The emergency action plan for each of situations is basically the same and should include at a minimum the following:

1. Immediately evacuate the area, and call x2222 from a safe location. Information to the SRC operator shall include:
    a. The type of hazardous gas (concentration and any carrier gas if known).
    b. The gas vendor or supplier
    c. The location of the cylinder
    d. Estimation of the extent or rate of release (RFO Size)
    e. Is fire involved?
2. SRC will activate the ERT Incident Command System, make the appropriate notification, and locate the emergency phone contact for the gas suppliers.
3. The ERT IC shall establish the Command post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
4. The initial responder, if not a member of ERT, should stand by to provide technical support and any specific details of the situation to the ERT IC.
5. The ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind of the gas release. The perimeter of hazard area is to be secured by SRC Personnel under the direction of ERT.
6. The cylinder supplier's emergency response team should then be notified immediately to assist with the control and containment of the release and to arrange emergency transport of the cylinder off of the site.
7. If there is any potential of the gas release escaping from the boundaries of the site, then the notification of all appropriate external agencies must be made (see Emergency Notification Call List; site EHS representatives should advise IC on specific agency notifications; at a minimum the local fire department and the California Office of Emergency Services.

APPENDIX C (cont.)

8. The IC will assess the physical and health hazards and direct the ERT members to don the appropriate PPE (based on input from the Safety Officer) for entry into the affected area. (PPE requirements for entry into a hazardous gas scenario should take into account the following hazards: inhalation hazards, corrosive or toxic contact hazards, and flammable, pyrophoric or explosion potentials).
9. ERT members may enter the affected area only after it has been determined that they are properly protected against any threat to their health and safety in teams of two and with one member in constant radio contact with the IC and/or Operations Leader.
10. Any rescue operations will be conducted by ERT rescue crews wearing appropriate levels of PPE. After victims are removed from the hazard area, they should be medically evaluated.
11. Containment of most leaking cylinder situations is best accomplished by placing the cylinder into a leaker cabinet. (Primary exceptions - pyrophoric materials or cylinders involving an open flame require specials consideration).
12. Upon entering the area the ERT members may then carefully move the gas cylinder to the nearest leaker cabinet or containment system if there is no apparent threat to their health and safety.
13. After depositing the leaking cylinder in the cabinet, the ERT should ensure that there is adequate exhaust provided to the cabinet.
14. The ERT entry team may then attempt to stop the flow of gas if the source is readily identified and they have the means of doing so that presents no apparent threat to their health and safety. (Only non-sparking tools should be used when dealing with flammable or pyrophoric gases).
15. If the gas release cannot be controlled easily by the ERT, the entry team is to leave the leaking cylinder in the cabinet, ensure that the cabinet door and window are closed and remove themselves to the warm zone for decontamination.
16. The ERT should await the arrival of the gas supplier's Emergency Response Team and provide assistance when necessary in the removal and transport of the cylinder from the site.
17. The evacuated zones shall be monitored and verified as safe for reentry by protected ERT personnel using the appropriate gas detection equipment.

II. Gas Release in Exhausted Enclosure

Gas release scenarios in exhausted enclosures typically would fall into two major categories: 1) Gas release of an on-line gas delivery system; 2) Gas release during the installation or disconnection of a cylinder. The primary control measure in either case is to leave the cylinder in the exhausted cabinet or enclosure. The specific response of each scenario follows in Sections A and B.

A. Gas release from a On-line gas delivery system

1. For this type of condition the initial detection usually is accomplished by a gas monitoring system, which integrates with a life safety system and automatically activate the ESO switch on the gas panel and annunciates either a local or global evacuation.

APPENDIX C (cont.)

2. If personnel in the area are aware of a gas release and a local or site evacuation is not in progress, then the initial responder should activate the local ESO and then call x2222 from a safe location, remote from the gas cabinet and provide the SRC Operator with the following information:
   a. The type of hazardous gas (concentration and any carrier gas if known).
   b. The gas cabinet number (or identifier) and location.
   c. The gas vendor or supplier.
   d. Estimation of the extent or rate-of-release (RFO Size).
   e. Is fire involved?

   SRC will activate the ERT Incident Commands System, make the appropriate notifications, and locate the emergency phone contact for the gas suppliers.
   If the initial responder (at the scene) is not a member of the ERT, they should report to the Security Operations Center to provide details and technical support to the ERT IC.
5. The ERT IC shall establish the Command Post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
6. If an evacuation was not automatically annunciated, then the ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind or otherwise isolated from the gas release. The perimeter of the hazard area is to be secured by ERT. The ERT IC shall monitor gas concentrations remotely and validate whether emergency shut-off devices have been activated.
   a. If the gas concentration diminishes relatively quickly over time, then the source of the gas release can most probably be attributed to a breach in the gas panel piping system (downstream from the shut-off device). In these cases an ERT entry team can respond to the area after the gas concentrations have stabilized below the TLV while using the appropriate level of PPE to investigate and validate the gas concentrations in the area (breathing zone) and gas cabinet using a portable gas detection device. The main cylinder valve should be turned off and any obvious sources of leakage should be noted at this time. If the concentrations return to a safe level and stabilize, the ERT IC may authorize the area for re-entry. At this point the process personnel can be contacted to perform a detailed incident investigation.
   b. If the gas concentrations remain consistently elevated even after the emergency shut-off has been confirmed, then the source of the gas release is most probably somewhere upstream from the shutoff device. In these situations, unless the gas release potentially poses a serious threat to personal, property or the community, allowing the cylinder to continue venting in the exhausted cabinet is the most appropriate ERT action plan. The situation should be monitored closely from a remote location and the Environmental Department must be made aware of the situation in order to determine if outside agency notifications are necessary and confirm that one-half IDLH levels at the treatment system exhaust stacks are not exceeded.
7. After the cylinder leak has either been contained or removed from the site, the evacuated zones shall be monitored and verified as safe for re-entry by protected ERT personnel using the appropriate gas detection equipment.

APPENDIX C (cont.)

B. Gas Release During Gas Cylinder Change

Prior to a cylinder change procedure the employee shall use the appropriate personal protective equipment for toxic, flash, and cryogenic hazards. The cylinders should also be leak checked prior to and after a cylinder change to validate the integrity of the cylinder against gas release. If the "tie wrap" (a vendor provided "position marker" that "locks" the hand-wheel to the valve assembly) on the hand-wheel shows any sign of disturbance, the cylinder should be immediately returned to the vendor). If a gas release is noted during a cylinder change procedure, the employees involved with the process may attempt to correct the leak situation by activating the ESO button, closing the cylinder main valve (manual hand-wheel or automated pneumatic), or placing the CGA valve outlet (or dust) cap tightly over the CGA connection. These procedures may only be completed by certified gas technicians wearing the appropriate level of personal protection. If these measures fail to eliminate the leak condition, then the employee must immediately close the cabinet window and/or door, and evacuate the gas vault or bunker, and initiate the emergency response in a manner similar to the previous scenarios:

1. Immediately evacuate the area, and call x2222 from a safe location. Information to the SRC operator shall include:
    a. The type of hazardous gas (concentration and any carrier gas if known).
    b. The gas vendor or supplier
    c. The location of the cylinder
    d. Estimation of the extent or rate of the release (RFO Size)
    e. Is fire involved?
2. SRC will activate the ERT Incident Command System, make the appropriate notification, and locate the emergency phone contact for the gas suppliers.
3. The ERT IC shall establish the Command Post in a non-hazardous location and complete a hazard assessment based on the identity and nature of the released gas (review MSDS and other information sources).
4. The ERT IC determines which area(s) to be evacuated and ensure that personnel are evacuated to an area up wind of the gas release. The perimeter of hazard area is to be secured by ERT.
5. If there is any potential of the gas release escaping from the boundaries of the site, then the notification of all appropriate external agencies must be made (see Emergency Notification Call List; site EHS representatives should advise IC with specific agency notifications; at a minimum the local fire department and the California Office of Emergency Services should be contacted).
3. The ERT IC will assess the situation and decide if the release requires intervention by the Site ERT members or members of the gas supplier's ERT. This decision should be based on first ensuring that the ERT can safely enter the area in teams of two and with one member in constant radio contact with Entry Team Lead, the necessary protective equipment and that the entry plan calls for a reasonable mean of controlling the leak.
4. If not, the ERT should continue to allow the leak to vent into the exhausted cabinet.
5. The ERT may then await the arrival of the gas suppliers Emergency Response Team and provide assistance when necessary in the removal and transport of the cylinder from the site.
9. After the cylinder leak has either been contained or removed from the site, the evacuated zones shall be monitored and verified as safe for re-entry by protected ERT personnel using the appropriate gas detection equipment.

PHILIPS

APPENDIX D

HAZARDOUS GAS RELEASE RESPONSE CHECKLIST
(Abbreviated Format)

A. Gas Cylinder Release Outside Gas Cabinet

Evacuate Area & Call x2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)
Contact Gas Vendor
If ammonia release from the bulk ammonia system, contact Air Products for emergency response.
Air Products 24-hour emergency number: 800-769-9117.

Confirm Evacuation Process and Isolation of Hazard

Complete Hazard Assessment (Evaluate risks to personnel, facility, and community).

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (flash protection for flammable situations, radios, hand tools, etc.)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Placement of Cylinder in a Leaker Cabinet or
Cylinders Involving Flame - Isolate and Cool Cylinder
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX D (cont)

B. On-line Gas Release Inside of Gas Cabinet

Evacuate Area, Activate ESO & Call X2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)
Contact Gas Vendor
Contact Air Products if Bulk Ammonia system is leaking

Confirm Employee Evacuation and Isolation of Hot Zone

Complete Hazard Assessment (Risks to personnel, facility, and community).
Monitor gas concentrations remotely
> 1/2 IDLH - Agency & Community Notifications

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (Flash resistant for Flammable Environments)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Leave Cylinder in Cabinet
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX D (cont)

C. Off-line Gas Cylinder Release Inside of Gas Cabinet

Evacuate Area, & Call x2222 (Gas type; vendor; location; flash/fire; estimates)

Activate ERT Incident Command System

Establish ERT Command Post
Make any necessary notifications (internal [e.g. Environmental and Safety contacts] or external)

Confirm Employee Evacuation and Isolation of Hot Zone

Complete Hazard Assessment (Risks to personnel, facility, & community?)
Identify Source if Possible (Cylinder or Panel?)
Monitor Gas Concentrations Remotely

Prepare ERT Entry Team
Establish PPE Requirements
Decontamination Set-up
Monitoring Needs
Equipment Needs (Flash resistant for Flammables, radios, hand tools)

Develop Entry Plan
Routes of Entry/Escape
Rescue Procedures; Victim Decontamination
Leave Cylinder in Cabinet
Control Leak Source if Feasible

Coordinate and Assist Gas Vendor ERT as Necessary

Ensure Hazards are Eliminated Before Reentry

APPENDIX E

COMPRESSED GAS SUPPLIERS EMERGENCY CALL LIST

SUPPLIER	DAY PHONE	24 HOUR #
Air Products	(800) 523-9374	(800) 769-9117
AKZO Nobel	(914) 693-6946	(800) 424-9300 (Chemtrec)
SAFC Hitech (Epichem)	(978) 374-5200	(800) 424-9300 (Chemtrec)
Matheson	(973) 257-1100	(800) 424-9300 (Chemtrec)
Praxair	(800) 645-4633	(800) 424-9300 (Chemtrec)

(800) 424-9300 is ChemTrec; the usual procedure when you call them is to provide them with the specific information that they request and they will contact the appropriate local responders to call and/or arrive at our facility.

APPENDIX F

MERT Response to an Ammonia Release
Health Care Facilities

Route of exposure: Inhalation

Toxicology: Irritant of the eyes, respiratory tract and skin. In high concentrations: corneal irritation and upper respiratory obstruction.

Symptoms: Burning eyes, mouth, and throat; nasal dryness; difficulty breathing and airway obstruction in severe cases. Symptoms are usually immediate.

Note: Because ammonia is very irritating with a low odor threshold, victims who are able will likely escape.

Upon arrival at the scene: Request estimate of length of exposure and concentration from victim and/or ERT.

Immediate first aid includes:

1. Ensure employee has been decontaminated appropriately
2. ABC's
3. Administer oxygen
4. Assess for chemical inhalation symptoms, possible chemical burns and other injuries
5. Confirm estimate of length of exposure and concentration from victim
6. If chemical burns found, flush areas with normal saline
7. Treat other injuries as appropriate per first aid protocols
8. Refer for further medical evaluation

Medical Referral: Alliance Clinic if symptoms are mild
911 if respiratory difficulty or other severe symptoms

Health Care Facilities:

Alliance Clinic
2737 Walsh Avenue
Santa Clara
408-228-8400

O'Connor Hospital
2104 Forest Avenue
San Jose
408-947-2666

PHILIPS LUMILEDS LIGHTING COMPANY

CONTINGENCY PLAN

370 West Trimble Road
San Jose, CA 95131

CONTENTS

Section		Page
I	Purpose	3
II	Relationship of This Contingency Plan to Site Emergency Plan	3
III	Implementation	3
IV	Content of the Contingency Plan	4
V	Copies of Contingency Plan	5
VI	Arrangements with Local Authorities	5
VII	Amendment of the Contingency Plan	6
VIII	Emergency Coordinator	6
IX	Emergency Procedures	7
X.	List of Coordinators	9
XI.	Emergency Equipment List	10
XII.	Evacuation Plan for Hazardous Waste Areas	13
San Jose Evacuation Maps		14

I. PURPOSE [66265.51(a)]

This contingency plan is designed to minimize the hazards to human health and the environment from fires, explosions or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.

II. RELATIONSHIP OF THIS CONTINGENCY PLAN TO SITE EMERGENCY PLAN

Lumileds Lighting has a comprehensive Emergency Procedure Manual that covers responses to all types of emergencies throughout the site. These Emergency Procedures include site emergencies that are under the direction of the ERT Incident Commander.

The ERT Incident Commander is responsible for planning, directing, and coordinating the actions of the ERT during any emergency. The Emergency Coordinator described in this Contingency Plan is responsible for advising the ERT Incident Commander on the proper actions to take to meet the requirements of this Contingency Plan during incidents involving hazardous waste. The Emergency Coordinator is also responsible for contacting environmental agencies and filing reports if needed.

If an emergency occurs in the hazardous waste area that requires implementation of the Contingency Plan, the Emergency Coordinator advises the ERT Incident Commander as to the immediate actions to take to respond to the emergency. The Emergency Coordinator will remain responsible for all actions described in this Contingency Plan, but the immediate response actions will be carried out by the ERT, under direction of the ERT Incident Commander.

III. IMPLEMENTATION [66265.51(b)]

This plan will be implemented immediately when there is a fire, explosion or release involving hazardous waste or hazardous waste constituents. Specifically, this means that this plan will be implemented if the following occurs:
FIRE or EXPLOSION in the hazardous waste accumulation areas in which the hazardous waste materials are combusting or being heated to a temperature at which the hazardous waste constituents are being released to the air at levels that are a hazard to human health or the environment.
RELEASE of hazardous wastes from a waste accumulation area occurs such that hazardous wastes enter the soil, surface water, or storm drain catch basin, or hazardous waste constituents are released to the air at levels that are a hazard to human health or the environment. A spill of waste that is contained upon concrete, within secondary containment, or within a bermed area is not considered a RELEASE for the purpose of the contingency plan.
SECONDARY CONTAINMENT: All hazardous waste accumulation areas have secondary containment sumps, berms, or dikes, which are monitored and/or inspected regularly.

IV. CONTENT OF THE CONTINGENCY PLAN [66265.52]

The Contingency Plan includes the items listed below. The Contingency Plan covers only response to fires, explosions, and releases in hazardous waste handling areas of this facility

A. Description of actions facility personnel must take to respond to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water from the waste storage area. This is described in section IX.

B. Description of the relationship of the Lumileds Group Emergency Procedure Manual to the Hazardous Waste Contingency Plan. This is included in the introduction to section II.

C. Description of arrangements agreed to with local police departments, fire departments, hospitals, contractors, and state and local emergency response teams to coordinate services during implementation of the Contingency Plan. This is listed in section VI.

D. List of the names, addresses, and phone numbers (office and home) of all persons who will perform the duties of the Hazardous Waste Emergency Coordinator for the purpose of fulfilling the requirements of this Contingency Plan as described below. The list notes primary and alternate coordinators. The list of Emergency Coordinators is in section X.

NOTE: The Emergency Coordinator is NOT the same as the ERT Incident Commander who is mentioned in the Lumileds Emergency Procedures Manual. The Hazardous Waste Emergency Coordinator can give advice or guidelines to the ERT Incident Commander. The ERT Incident Commander is the person who will coordinate the actions of the ERT to be sure that actions necessary to minimize the hazard or extent of a situation are carried out. See II above for more explanation.

E. A list of emergency equipment used in emergency response is included.

F. An evacuation plan for the hazardous waste areas is included. The plan describes the signals used to begin evacuation, evacuation routes and alternate evacuation routes.

V. COPIES OF CONTINGENCY PLAN [66265.53]

A. Copies of the plan and revisions are kept in the following locations:
   1. Online at N:\ENV\Programs\Hazardous Waste\Contingency Plan.
   2. Lumileds Hazardous Materials Business Plans.

B. A copy of the plan has been submitted to:

Police: San Jose Police Department
201 W. Mission
San Jose, CA 95110

Fire: San Jose Fire Department
Hazardous Materials Division
4 North 2nd Street, Suite 1100
San Jose, CA 95113

3. Local Emergency Planning Committee Region 2:
Attn: Len Miller
OES Coastal Region
1300 Clay Street Suite 400
Oakland, CA 94612

4. OES: Hazardous Materials Division
Attn: John Payne
11070 White Rock Road
Rancho Cordova, CA 95670

VI. ARRANGEMENTS WITH LOCAL AUTHORITIES [66265.52 (c)]

Members of the local fire stations have participated in local ERT drills. Annually, the hazardous materials inspectors in the Fire Department perform a wall-to-wall inspection for hazardous materials management. These inspections and drills give Fire personnel familiarity with this facility and enable them to better respond to all types of emergencies.

The arrangement with local hospitals is to adequately decontaminate victims prior to transport. Due to the specialties of each hospital, the decision on the ultimate destination is arranged between the paramedics transporting the victim and the hospitals themselves. Some of the parameters of these decisions are capacity at the emergency room of the hospital, the nature of the injuries and the capabilities of each facility.

A. The following emergency response procedures will be followed in the event of chemical exposure.

   1. Decontaminate victims by the emergency response team.
   2. Provide emergency treatment and life support by the emergency response team and onsite nurse staff.
   3. Activate emergency medical service (call 911).

4. Transport victim to hospital via paramedic. Include MSDS of chemical suspected in exposure.

VII. AMENDMENT OF THE CONTINGENCY PLAN [66265.54]

The Contingency Plan will be reviewed and immediately amended, if necessary, whenever:

A. The Hazardous Waste permit is revised.
B. The plan fails in an emergency.
C. The hazardous waste handling changes in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous waste constituents, or changes the response necessary in an emergency.
D. The list of emergency coordinators changes.
E. The list of emergency equipment changes.

VIII. EMERGENCY COORDINATOR [66265.55]

The list of emergency coordinators includes work and home phone numbers so that at least one emergency coordinator can be reached at all times to respond to a hazardous waste emergency and fulfill the duties described below of an emergency coordinator. If none of the emergency coordinators are on site when an emergency occurs, the ERT incident commander acts as the designee for the emergency coordinator.

All emergency coordinators listed are familiar with this contingency plan and the hazardous waste operations at this facility, including the locations and characteristics of wastes handled the locations of waste records, and the waste area locations.

All emergency coordinators have the authority to commit Lumileds resources during an emergency.

IX. EMERGENCY PROCEDURES [66265.56]

A. Whenever there is an imminent or actual emergency situation involving the hazardous waste areas, the emergency coordinator (or his designee when the emergency coordinator is on call) shall immediately:
   (1) Activate internal facility alarms or communication systems, where applicable, to notify all personnel in the affected areas; and
   (2) Notify appropriate state or local agencies with designated response roles if their help is needed.
B. Whenever there is a release, fire or explosion, the emergency coordinator, shall immediately identify the character, exact source, amount and area extent of any released materials. The emergency coordinator may do this by observation or review of hazardous waste records, profiles, or manifests and, if necessary, by chemical analysis.
C. Concurrently, the emergency coordinator shall assess possible hazards to human health or the environment that may result from the release, fire or explosion involving hazardous waste. This assessment shall consider both direct and indirect effects of the release, fire or explosion involving hazardous waste. (e.g., the effects of any toxic,

irritating or asphyxiating gases that are generated, or the effects of any hazardous surface waste runoff from water or chemical agents used to control fire and heat-induced explosions.)

D. If the emergency coordinator determines that the facility has had a release, fire, or explosion of hazardous waste which could threaten human health or the environment outside the facility, he shall report his findings as follows:
   (1) If his assessment indicates that evacuation of local areas may be advisable, he shall immediately notify appropriate local authorities. He shall be available to help appropriate officials decide whether local areas should be evacuated.
   (2) He shall, in every situation, immediately notify the State Office of Emergency Services at 800-852-7550. The report shall include:
      (a) Name and telephone number of reporter.
      (b) Name and address of facility.
      (c) Time and type of incident (e.g., release or fire).
      (d) Name and quantity of materials(s) involved, to the extent known.
      (e) The extent of injuries, if any.
      (f) The possible hazards to human health or the environment outside the facility.

E. During an emergency, the emergency coordinator shall take all reasonable measures necessary to ensure that fires, explosions and releases do not occur, recur or spread to other hazardous wastes at the facility. These measures shall include, where applicable, stopping processes and operations involving wastes, collecting and containing released waste and removing or isolating containers or waste.

F. If the facility stops waste operations in response to a fire, explosion or release, the emergency coordinator shall monitor waste equipment for leaks, pressure buildup, gas generation or ruptures in valves, pipes or other equipment, wherever this is appropriate.

G. Immediately after an emergency, the emergency coordinator shall provide for treating, storing or disposing of recovered waste, contaminated soil, or surface water or any other material that results from a release, fire or explosion at the waste handling areas.

H. The emergency coordinator shall ensure that, in the affected waste area(s), of the facility:
   (1) No waste that may be incompatible with the released material is treated, stored or disposed of until cleanup procedures are completed.
   (2) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before waste operations are resumed.

I. The owner or operator or designee shall notify the Department of Toxic Substances Control and the appropriate Certified Unified Public Agency (CUPA) that the waste handling areas are in compliance with section H of this part before waste handling operations are resumed in the affected waste areas of the facility.

J. The owner or operator or designee shall, within 15 days after the incident, submit a written report on the incident to the Department of Toxic Substances Control and the appropriate CUPA. The report shall include:
   (1) Name, address and telephone number of the owner or operator.
   (2) Name, address and telephone number of the facility.
   (3) Date, time, and type of incident (e.g. fire, or explosion).
   (4) Name and quantity of material(s) involved, to the extent known.

(5) The extent of injuries, if any.
(6) An assessment of actual or potential hazards to human health or the environment, outside the facility.
(7) Estimated quantity and disposition of recovered material that resulted from the incident.

X. LIST OF EMERGENCY COORDINATORS FOR HAZARDOUS WASTE EMERGENCIES (66265.55)

For after hours emergencies, contact the security response center at (408) 964-5300 to activate the emergency on–call system

San Jose Primary Emergency Coordinator:	Office:	Home:
Mitch Cole Environmental Engineer	370 West Trimble Road San Jose, CA 95131 (408) 964-2562	(209) 839-8671
Dave Fox Project Manager	370 West Trimble Road San Jose, CA 95131 (408) 964-2824	(408) 347-1049
Dan Janowski Facilities Manager	370 West Trimble Road San Jose, CA 95131 (408) 964-2665	(831) 335-1518
Joyce Gee Safety Engineer	370 West Trimble Road San Jose, CA 95131 (408) 964-2625	(408) 263-7996
James Smart Space Planner	370 West Trimble Road San Jose, CA 95131 (408) 964-2866	(408) 842-7809
Elly Trias Facilities Engineer	370 West Trimble Road San Jose, CA 95131 (408) 964-2728	(408) 274-1091
Steven Wolf Project Manager	370 West Trimble Road San Jose, CA 95131 (408) 964-5228	(408) 448-3329

XI. LIST OF EMERGENCY EQUIPMENT

San Jose Facility

Suit-Up Cart

Box #	Equipment Description	Quantity	Description
1	3M 6300 Series Respirators, Large	6	Ea
	3M 6200 Series Respirators, Medium	6	Ea
	3M 6100 Series Respirators, Small	6	Ea
	3M 6006 Cartridges, Multi-Gas/Vapor	20	Pair
	Respirator Wipes	2	Boxes
2	Cream Trionic Gloves, size 9-9.5	1	Pack
	Cream Trionic Gloves, size 10-10.5	1	Pack
	Black Neoprene Gloves, size 9	1	Pack
	Black Neoprene Gloves, size 10	1	Pack
	Leather workgloves	20	Pair
3	pH paper	2	Boxes
	Safety Glasses	12	Pair
	Kappler Suit Tape	3	Rolls
	Flashlights	12	Each
	'D' Size Batteries, 8-pack	2	Each
	ERT Armbands	20	Each
4	Bull Horn	1	Each
	911 Air Horn	1	Each
	911 Air Horn Refill Cartridges	2	Each
	Misc. reference material & paper	-	-
	SCBA Packs (bottle w/regulator, harness)	8	Each
	SCBA Face Masks (4 w/radio hookup)	8	Each
	SCBA Bottles, Spare	5	Each
	Radios (4 w/SCBA mask hookup)	8	Each
	AIM Gas Detector	1	Unit
	Boot, size 6	1	Pair
	Boot, size 7	1	Pair
	Boot, size 9	2	Pair
	Boot, size 10	2	Pair
	Boot, size 11	2	Pair
	Boot, size 12	2	Pair
	Boot, size 13	2	Pair
	Boot, size 15	1	Pair
	Confined Space Fan w/ Ducting	-	-

Suit Cart

Box #	Equipment Description	Quantity	Description
	Level A Suits (White Bags)	6	Each
	Level B, Encapsulated Suits	6	Each
	Level B, non-encapsulated suits, XL	4	Each
	Level B, non-encapsulated suits, XXL	4	Each

Decon Cart

Box #	Equipment Description	Quantity	Description
1	3M 6300 Series Respirators, Large	6	Ea
	3M 6200 Series Respirators, Medium	6	Ea
	3M 6100 Series Respirators, Small	6	Ea
	3M 6006 Cartridges, Multi-Gas/Vapor	20	Pair
	Respirator Wipes	2	Boxes
2	Cream Trionic Gloves, size 9-9.5	1	Pack
	Cream Trionic Gloves, size 10-10.5	1	Pack
	Black Neoprene Gloves, size 9	1	Pack
	Black Neoprene Gloves, size 10	1	Pack
3	pH paper	2	Boxes
	Safety Glasses	12	Pair
	Kappler Suit Tape	3	Rolls
	Scissors	4	Each
	Red & Yellow Zone Tape	5	Rolls
	Duct Tape	2	Rolls
	Chemical Classifier Kit	1	Each
4	Tools	-	-
	Flashlights (orange)	6	Each
	'D' size batteries, 8-pack	2	Each
	Snake lights	7	Each
	Snake light batteries	7	Each
5	Hardhats	8	Each
6	Pig Absorbents	2	Packs
	Sheet absorbent	1	Roll
7	Mop Heads	2	Each
	Kiddie Pools	2	Each
	Foot Pump	1	Each
	Hazardous Waste labels	1	Roll
8	Scrub Brushes	4	Each
	Joy Detergent	1	Bottle
	Tarps	2	Each
	Trash bags	-	-
	Sponges	4	Each
	Hose	2	Rolls
	Spray nozzles	2	Each
	Hose 'T'	1	Each
	Hose bib key	2	Each
	Boot, size 6	1	Pair
	Boot, size 7	2	Pair
	Boot, size 9	2	Pair
	Boot, size 10	2	Pair
	Boot, size 11	2	Pair
	Boot, size 12	2	Pair
	Boot, size 13	2	Pair
	Boot, size 15	1	Pair
	Pump Sprayer	1	Unit
	Buckets	2	Each
	Face Shields	8	Each