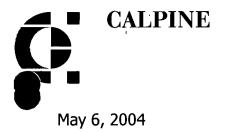
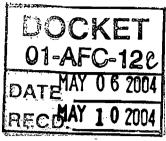
LOS ESTEROS CRITICAL ENERGY FACILITY 800 THOMAS FOON CHEW WAY SAN JOSE, CALIFORNIA 95134





Mr. Lance Shaw Compliance Project Manager Los Esteros Critical Energy Facility (01-AFC-12) California Energy Commission 1516 Ninth Street, (MS-15) Sacramento, CA 95814

RE: Los Esteros Critical Energy Facility (LECEF) Soils and Water Resources Compliance Data Request

Dear Mr. Shaw:

Transmitted herewith please find Calpine's response to the data request made on March 25, 2004. The initial request was made by Ms. Lorraine White.

.

Should you or Ms. White have any questions please don't hesitate to call me at (408) 592-7915.

Sincerely, Calpine Corporation

Dana R. Petrin Compliance Manager South Bay Projects

Enclosures

Los Esteros Critical Energy Facility (Phase 1) Compliance Data Requests

Technical Area: Soils and Water Resources Author: M. Lorraine White

BACKGROUND

1

As required under Soil & Water-3, the project developer is required to submit specific information regarding the storm water outfall to Coyote Creek approximately 220 feet from the project site. For the temporary outfall installed in the high flow channel, the project did so. However, the permanent outfall is to be relocated to the edge of the low flow channel.

DATA REQUEST

1. Please submit all information required by Soil & Water-3 for the permanent storm water outfall in Coyote Creek located in the low flow channel.

1. Attached

2. & 3. Submitted NOI for storm water discharge and verified receipt by CPM

BACKGROUND

Soil & Water-4 requires, amongst other things, that the project owner submit all information/data necessary to satisfy the requirements of the Storm Water Discharge Permit issued by the Santa Clara Valley Water District for the outfall in Coyote Creek. The project developer obtained a permit from the Santa Clara Valley Water District for the temporary stormwater outfall in the high flow channel of Coyote Creek (issued July 30, 2002, Permit No. 02464). Additional permits were required for the construction and operation of the temporary storm water outfall in the high water channel of Coyote Creek for Phase 1.

DATA REQUEST

2. Please provide all federal and state permits approved for the construction and operation of the temporary outfall in Coyote Creek.

<u>Attached</u>

3. Please submit all correspondence and or monitoring reports that demonstrate compliance with the general and special provisions contained in the Santa Clara Valley Water District Permit No. 02464, issued July 30, 2002. For ongoing compliance activities and restoration requirements, please submit a narrative of efforts by the project developer to comply with these requirements and a schedule for satisfying the remaining requirements (e.g., anticipated submittal and approval dates for plan(s) to restore the site that must be approved by the district).

There are no ongoing compliance issues other than to comply with LORS which consist mainly of storm water discharge requirements, which we are in compliance with. Calpine is currently in the process of obtaining the necessary SCVWD Permit for construction of the permit outfall scheduled

Los Esteros Critical Energy Facility (Phase 1) Compliance Data Requests

for construction in the summer of 2005. Estimate time of receipt of this permit is 1st QTR of 2005.

4. Please provide all required information specified in Soil & Water 4 for the permanent storm water outfall to be constructed in the low flow channel.

Required to be submitted "60 days prior to site mobilization". Construction not scheduled until summer 2005. I have attached the draft permit.

BACKGROUND

Soil & Water-6 requires the project owner to install metering devices and or utilize meters installed by the City of San Jose in order to record daily usage in gallons per day, monthly range, monthly average, and annual use. This usage summary is to be provided in the annual compliance report.

<u>S & W 6 only requires recording on a monthly basis.</u> The annual summary, which includes the monthly range, monthly daily average, and total water on a monthly and annual basis. I have included a spreedsheet.

DATA REQUEST

5. Please identify if the project owner installed meters or if they are utilizing meters installed by the City of San Jose. Please describe these meters, their capabilities and identify/show the location of these meters.

They are City installed meters. They are standard water meters, read locally, that record in 1/10-acre increments. See drawing for location.

6. Please provide a summary of daily usage in gallons per day, monthly range, monthly average, and annual use for construction and since the start of operation for recycled water use.

See attached.

BACKGROUND

The project owner currently has an Industrial Waste Discharge Permit (Soil & Water 8) for the Los Esteros Critical Energy Facility for 73,000 gallons per day (Permit No. SJ-488A, issued October 3, 2003. The permit requires semiannual monitoring. In the Data Adequacy Supplement, the project owner submitted the September 2003 Self-Monitoring Report.

DATA REQUEST

7. Please submit a copy of the March 2004 Self-Monitoring Report as soon as it is complete.

Attached

Los Esteros Critical Energy Facility (Phase 1) Compliance Data Requests

BACKGROUND

Soil & Water-9 required the project owner to submit evidence of submitting an accepted Engineer's Report for Title 22 Reclamation Requirements to the Department of Health Services for the Los Esteros Critical Energy Center.

DATA REQUEST

8. Please submit a copy of the accepted Report and all associated correspondence.

Attached Title 22 Engineers report and previous submittal cover letter.

BACKGROUND

The project is currently operating under a Recycled Water Use Permit issued by the South Bay Water Recycling program.

DATA REQUEST

9. Please provide a complete copy of the permit.

Attached

BACKGROUND

Phase 1 of the Los Esteros Critical Energy Center is complete and has been operating since March 2003.

DATA REQUEST

10. Please provide diagrams of all "as-built" conveyance, treatment and discharge features installed for Phase 1.

<u>Attached</u>

11. Please provide a copy of the Notice for Termination for the General Permit for construction activity storm water discharges (Phase 1).

<u>Attached</u>



California Regional Water Quality Control Board





Arnold Schwarzenegger

Governor

Cerry Tamminen Story for Engineerial ction

Internet Address: http://www.swrcb.ca.gov 1515 Clay Street, Suite 1400, Oakland, California 94612 Phone (510) 622-2300 • FAX (510) 622-2460

> Date: MAR () 1 2004 File No: 2188.07 (bkw) Site No: 02-43-C0457 ACOE File No: 26339S

BKW

Mr. Peter Hansen Los Esteros Critical Energy Facility, LLC 6601 Koll Center Parkway Pleasanton, CA 94566

CALIFORNIA REGIONAL WATER 15

Subject: Water Quality Certification for the Los Esteros Critical Energy Facility Permanent Storm Drain Outfall Project in the City of San Jose, County of Santa Clara

QUALITY CONTROL BOARD

Dear Mr. Hansen:

We have reviewed the application materials submitted to the San Francisco Bay Regional Water Quality Control Board (Water Board) by Los Esteros Critical Energy Facility, LLC (the Applicant) and hereby issue water quality certification for the Applicant's project to construct a permanent stormwater outfall for the Los Esteros Critical Energy Facility, in the City of San Jose in the County of Santa Clara (Project). On December 2, 2003, you received authorization for the Project from the United States Army Corps of Engineers (ACOE) under Clean Water Act (CWA) Section 404 Nationwide Permit No. 7 (*Outfall Structures and Maintenance*) and Nationwide Permit No. 33 (*Temporary Construction Access and Dewatering*). You have applied to the Water Board for Clean Water Act Section 401 water quality certification that the project will not violate State water quality standards.

Project Description: The following Project description was derived from application materials received on August 28, 2003. The project is located along the west bank of Coyote Creek, 0.3 miles north of Highway 237 in the County of Santa Clara. The Applicant operates a natural-gas-fired generating facility in the north service area of the City of San Jose that is known as the Los Esteros Critical Energy Facility (LECEF). To manage stormwater flows from LECEF, the Applicant constructed a temporary stormwater outfall in the high flow channel of Coyote Creek, approximately 220 feet from the low-flow channel of the Creek, in 2002. The current project will replace the temporary outfall with permanent outfall to the low flow channel of Coyote Creek.

The existing 24-inch diameter storm drain culvert discharges on the east (river) side of a Santa Clara Valley Water District (SCVWD) flood control levee, onto a 60-foot by 20-foot concrete pad, with a border of rip rap over geotextile fabric. The permanent outfall will tie into the existing 24-inch diameter pipe on the west side of the SCVWD levee. Jack and bore installation methods will be used to install a new 48-inch diameter reinforced concrete pipe beneath the levee and the ground surface, to within about 50 feet of the low flow channel of Coyote Creek. The remaining distance to the outfall structure will be constructed using open trench methods. Construction of the permanent outfall will require removal of about 10 cubic yards (cy) of rock slope protection from the left bank of Coyote Creek. New, grouted rock slope protection material, placed over new geotextile fabric, will be added after the outfall has been installed. A temporary cofferdam will be constructed around the outfall to dewater the construction area.

Impacts: The San Francisco Bay Basin Water Quality Control Plan (Basin Plan) defines the beneficial uses of waters of the State. The Project is located within the banks of Coyote Creek, which has existing

Mr. Hansen

- 2 -Los Esteros Critical Energy Facility Permanent Storm Drain Site No: 02-43-C0457

and potential beneficial uses of: cold freshwater habitat, fish migration, preservation of rare and endangered species, contact and non-contact water recreation, fish spawning, warm freshwater habitat, and wildlife habitat. In addition, Coyote Creek is designated as critical habitat for a federally listed population of threatened Central California Coast Steelhead (Final Rule, Federal Register Vol. 65, No. 32, February 16, 2000).

Permanent impacts associated with the construction of the permanent outfall are limited to removal and replacement of about 10 cubic yards (cy) of rock slope protection from the left bank of Coyote Creek, impacting an area of about 0.006 acres (260 square feet), along 16 linear feet of the creek bank. Temporary impacts will be associated with the placement of a cofferdam over about 0.005 acres of Coyote Creek. The cofferdam will be constructed of about 23 cy of river run gravel, sheet piles, inflatable dams, and/or sand bags.

Mitigation: Mitigation for permanent impacts will not be required because the rock slope protection for the outfall will be placed in an area of existing rock slope protection in the bank of Coyote Creek. All disturbed riparian vegetation will be restored to pre-construction conditions and any trees removed from the banks of the creek will be replaced at 3:1 ratio.

CEQA Compliance: LECEF is under the jurisdiction of the California Energy Commission (CEC) (Pub. Res. Code Section 25500 et seq.). During licensing proceedings, the CEC acts as the lead State agency under the California Environmental Quality Act (CEQA) (Pub. Res. Code Section 25519(c), Section 21000 et seq.). The CEC's licensing review process and the associated documents are functionally equivalent to the preparation of an Environmental Impact Report under CEQA (Pub. Res. Code Section 21080.5). The CEC approved the Applicant's Application for Certification on July 2, 2002.

Certification and General Waste Discharge Requirements: I hereby issue an order certifying that any discharge from the referenced Project will comply with the applicable provisions of sections 301 (Effluent Limitations), 302 (Water Quality Related Effluent Limitations), 303 (Water Quality Standards and Implementation Plans), 306 (National Standards of Performance), and 307 (Toxic and Pretreatment Effluent Standards) of the Clean Water Act, and with other applicable requirements of State law. This discharge is also regulated under State Water Resources Control Board Order No. 2003 - 0017 - DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification" which requires compliance with all conditions of this Water Quality Certification. The following conditions are associated with this certification:

- 1. No debris, rubbish, creosote-treated wood, soil, silt, sand, cement, concrete, or washings thereof, or other construction related materials or wastes, oil or petroleum products or other organic or earthen material shall be allowed to enter into, or be placed where it may be washed by rainfall or runoff into Coyote Creek. Any of these materials placed within or where they may enter Coyote Creek by the Applicant or any party working under contract, or with the permission of the Applicant shall be removed immediately. When operations are completed, any excess material shall be removed from the work area and any areas adjacent to the work area where such material may be washed into Coyote Creek. During construction, the contractor shall not dump any litter or construction debris within the riparian/stream zone. All such debris and waste shall be picked up daily and properly disposed of at an appropriate site;
- 2. The Applicant shall adhere to the conditions of the Section 1601 Lake and Streambed Alteration Agreement (Notification Number 1600-2003-5071-3), issued by the California Department of



- 3 -Los Esteros Critical Energy Facility Permanent Storm Drain Site No: 02-43-C0457

Fish and Game (CDFG); to avoid impacts to Chinook salmon and Central California Coast Steelhead, construction will be restricted to the dry season, as specified in the Lake and Streambed Alteration Agreement, or to any extension of the work period that is authorized by CDFG;

- 3. All work shall be done according to the plans, prepared by CH2MHill and dated March 25, 2003, submitted to the Water Board with the application for water quality certification on August 28, 2003;
- 4. No equipment shall be operated in areas of flowing or standing water; no fueling, cleaning, or maintenance of vehicles or equipment shall take place within any areas where an accidental discharge to Coyote Creek may occur; construction materials and heavy equipment must be stored outside of the ordinary high water mark;
- 5. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section 13330 of the California Water Code (CWC) and Section 3867 of Title 23 of the California Code of Regulations (23 CCR);
- 6. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR Subsection 3855(b) and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought; and,
- 7. Certification is conditioned upon total payment of the full fee required in State regulations (23 CCR Section 3833) and owed by the applicant. The fee for the proposed project is \$601.50, which has been paid in full.

Please be aware that any violation of water quality certification conditions is a violation of State law and subject to administrative civil liability pursuant to California Water Code (CWC) Section 13350. Failure to respond, inadequate response, late response, or failure to meet any condition of a certification may subject the Applicant to civil liability imposed by the Water Board to a maximum of \$1,000 per day of violation or \$10 for each gallon of waste discharged in violation of this action. Any request for a report made as a condition to this action is a formal request pursuant to CWC Section 13267, and failure or refusal to provide, or falsification of such requested report is subject to civil liability as described in CWC Section 13268. We anticipate no further action on this request. However, should new information come to our attention that indicates a water quality problem with this Project, the Water Board may issue Waste Discharge Requirements.

Mr. Hansen

- 4 -Los Esteros Critical Energy Facility Permanent Storm Drain Site No: 02-43-C0457

Please contact Brian Wines of my staff at (510) 622-5680 or <u>bkw@rb2.swrcb.ca.gov</u> if you have any questions. All future correspondence regarding this Project should reference the Site Number indicated at the top of this letter.

Sincerely,

Executive Officer

cc: SWRCB-DWQ, Oscar Balaguer USACE, San Francisco District, Attn: Regulatory Branch, 333 Market Street, San Francisco, CA 94105 –2197 (file number 26339S)
CDFG, Central Coast Region, Attn: Robert Floerke, Regional Manager, P.O. Box 47, Yountville CA 94599 (Notification Number 1600-2003-5071-3)
Santa Clara Valley Water Control District, Attn: Sue Tippets, Community Projects Review Unit 5750 Almaden Expressway, San Jose, Ca 95118-3686
U.S. EPA, Tim Vendlinski, WTR-8.

STATE OF CALIFORNIA THE RESOURCES AGENCY DEPARTMENT OF FISH AND GAME

GRAY DAVIS, GOVERNOR



CENTRAL COAST REGION (707) 944-5520 Vailing address: ST OFFICE BOX 47 UNTVILLE CALIFORNIA 94599 Street address: 7329 SILVERADO TRAIL NAPA CALIFORNIA 94558

October 29, 2003

Notification Number: 1600-2003-5071-3

Peter Hansen / Calpine Corporation 805 South West Broadway, Suite 1850 Portland, OR 97205

1603 LAKE AND STREAMBED ALTERATION AGREEMENT

This agreement is issued by the Department of Fish and Game pursuant to Division 2, Chapter 6 of the California Fish and Game Code:

WHEREAS, the applicant Peter Hansen / Calpine Corporation, hereafter called the Operator, submitted a signed NOTIFICATION proposing to substantially divert or obstruct the natural flow of, or substantially change the bed, channel, or bank of, or use material from the streambed or lake of the following water: Coyote Creek, located about 1,400 feet north of Alviso-Milpitas Road in the City of San Jose, in the County of Santa Clara, State of California; and

WHEREAS, the Department has determined that such operations may substantially adversely affect existing fish and wildlife resources including water quality, hydrology, aquatic or terrestrial plant or animal species; and

WHEREAS, the project has undergone the appropriate review under the California Environmental Quality Act; and

WHEREAS, the Operator shall undertake the project as proposed in the signed PROJECT DESCRIPTION and PROJECT CONDITIONS (attached). If the Operator changes the project from that described in the PROJECT DESCRIPTION and does not include the PROJECT CONDITIONS, this agreement is no longer valid; and

WHEREAS, the agreement shall expire on <u>December 31, 2004</u>; with the work to occur between June 15 and October 15; and

WHEREAS, nothing in this agreement authorizes the Operator to trespass on any land or property, nor does it relieve the Operator of the responsibility for compliance with applicable Federal, State, or local laws or ordinances. Placement, or removal, of any material below the level of ordinary high water may come under the jurisdiction of the U. S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act;

THEREFORE, the Operator may proceed with the project as described in the PROJECT DESCRIPTION and PROJECT CONDITIONS. A copy of this agreement, with attached PROJECT DESCRIPTION and PROJECT CONDITIONS, shall be provided to contractors and subcontractors and shall be in their possession at the work site.

Failure to comply with all conditions of this agreement may result in legal action.

This agreement is approved by:

ini Swanson

Robert W. Floerke Regional Manager Central Coast Region



Warden. Sinclair Kristine Atkinson

STATE OF CALIFORNIA THE RESOURCES AGENCY

DEPARTMENT OF FISH AND GAME CENTRAL COAST REGION

CENTRAL COAST-REGION (707) 944-5520 Yailing address: ST OFFICE BOX 47 UNTVILLE, CALIFORNIA 94599 Street address: 7329 SILVERADO TRAIL NAPA, CALIFORNIA 94558



Notification Number: <u>1600-2003-5071-3</u> Coyote Creek, Santa Clara County

Peter Hansen / Calpine Corporation 805 SW Broadway, Suite 1850 Portland, OR 92705

PROJECT DESCRIPTION and PROJECT CONDITIONS

Description

The project is located on Coyote Creek approximately 1,400 feet north of Alviso-Milpitas Road on the western levee in the City of Milpitas in Santa Clara County. The project includes the installation of a permanent outfall into Coyote Creek for the Los Esteros Critical Energy Facility (LECEF). A temporary outfall discharging into the high flow channel is currently being used. The proposed permanent stormwater outfall will tie into the existing 24-inch force main outside (west) of the levee and will continue through an underground pipe to the edge of Coyote Creek's low-flow channel where the discharge stormwater outfall will be constructed.

The proposed project will replace the existing, temporary stormwater outfall by removing the overland flow component. The upgraded stormwater outfall will accommodate increased flows from the LECEF site without significant degradation of surface water quality of Coyote Creek. Jack and bore techniques along with open trenching will be used.

A temporary coffer dam will be installed around the proposed outfall location to dewater the construction site during construction.

Conditions

- 1. Work within the stream/riparian corridor shall be confined to the period June 15 to October 15. Revegetation work is not confined to this time period.
- 2. Nothing in this agreement authorizes the Operator to trespass on any land or property, nor does it relieve the Operator of the responsibility for compliance with applicable Federal, State, or local laws or ordinances. Placement, or removal, of any material below the level of ordinary high water may come under the jurisdiction of the U. S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act.
- 3. The disturbance or removal of vegetation shall not exceed the minimum necessary to complete operations. Precautions shall be taken to avoid other damage to vegetation by

Operator's initials 100 Notification Number 1600-2003-5071-3 people or equipment. The disturbed portions of the stream channel within the normal high-water mark of the stream shall be restored to as near their original condition as possible.

- 4. Vegetated areas shall be cleared using mowers, pruners, brush saws, or other hand tools. No bulldozer/backhoe type equipment shall be used to remove vegetation. No trees with trunks in excess of 4-inches in diameter at breast height (DBH) shall be removed.
- 5. The operator shall avoid (or at the very least, minimize) the removal of all trees and the disturbance to their root systems. Potentially impacted trees shall be monitored for a period of five (5) years and replaced with native trees which are suitable ecologically to the project area. For each native tree that is removed or disturbed, trees shall be replaced on-site with a minimum 3:1 ratio (replacement: loss). For each non-native tree that is removed or disturbed, trees shall be replaced (replacement: loss).
- 6. Disturbed areas shall be protected with correctly installed erosion control measures (jute, straw, coconut fiber erosion control fabric, coir logs, straw), and revegetated with propagules (seeds, cuttings, divisions) of locally collected native plants.
- 7. Work must be performed in isolation from the flowing stream. If there is any flow when the work is done, the operator shall construct a sediment barrier parallel to the bank and just outside the project area. The sediment barrier shall be an impervious sheeting or very tight mesh filter fabric well-anchored to the bottom of the stream and reaching above water level sufficiently high to contain the roiled water along the bank. The sediment barrier shall be tied into the bank upstream and downstream of the work site to isolate the work site from the flowing stream.
- 8. The operator shall hire a biologist, with all necessary State and Federal permits, to relocate all fish/amphibians within the work site prior to dewatering. Captured fish/amphibians shall be moved to the nearest appropriate site on the stream. A record shall be maintained of all fish/amphibians captured and moved, and the record shall be provided to the Department (c/o1600 program, Post Office Box 47, Yountville, California 94599) with appropriate Streambed Alteration Notification number.
- 9. Access to the work site shall be via existing roads and access ramps.
- 10. Streambank areas receiving rock slope protection (rip rap) shall be back-filled with appropriate topsoil. The topsoil fill should be placed to fill the voids in the rock slope protection and provide a substrate for revegetation efforts.
- 11. Rip rap will be set below grade and keyed into the bank. Rip rap rock shall be of the proper size and weight to withstand high flows.
- 12. Silt control measures shall be utilized throughout all phases of the project where silt

Operator's initials **K'U** Notification Number 1600-2003-5071-3 and/or earthen fill threaten to enter Waters of the State. Silt control structures shall be monitored for effectiveness and shall be repaired or replaced as needed. Build up of soil behind the fence shall be removed promptly and any breaches or undermined areas repaired at once.

- 13. All exposed/disturbed areas within the project site shall be stabilized to the greatest extent possible. Erosion control measures, such as, silt fences, straw hay bales, gravel or rock lined ditches, water check bars, and broadcasted straw shall be used where ever silt laden water has the potential to leave the work site and enter State waters. Erosion control measures shall be monitored during and after each storm event. Modifications, repairs and improvements to erosion control measures shall be made whenever it is needed.
- 14. Passage of sediment beyond the sediment barrier is prohibited. If the sediment barrier fails to retain sediment, corrective measures shall be employed, and the Department notified, immediately.
- 15. All concrete surfaces, which will be ultimately exposed to surface water flow shall be sufficiently cured (30-60 days), or sealed with appropriate concrete sealer, prior to inundation to avoid leaching of lime into the receiving water. Compliance with this condition shall be demonstrated when the pH of applied water on the surface of exposed concrete is 9.5 pH units or less.
- 16. At the end of each work day, an escape ramp shall be placed at each end of the open trench to allow any animals that may have become entrapped in the trench to climb out overnight. The ramp may be constructed of either dirt fill or wood planking or other suitable material that is placed at an angle no greater than 30 degrees.
- 17. If vegetation removal will occur between February 15 and July 31 a qualified biologist shall conduct pre-construction surveys for nesting birds no more than two weeks prior to construction. If nesting birds are found a 50-foot radius buffer should be established around the nest, a 300-foot radius buffer in the case of hawks and owls. The area should be fenced and avoided until the young have fledged, as determined by a qualified biologist.
- 18. If the Operator needs more time to complete the authorized activity, the work period may be extended on a day-to-day basis by Marcia Grefsrud at (707)944-5559, or the Yountville office at (707) 944-5520.
- 19. A copy of this agreement must be provided to the contractor and all subcontractors who work within the stream zone and must be in their possession at the work site.
- 20. Building materials and/or construction equipment shall not be stockpiled or stored where they could be washed into the water or where they will cover aquatic or riparian vegetation.

- 21. Debris, soil, silt, bark, rubbish, creosote-treated wood, raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, or any other substances which could be hazardous to aquatic life, resulting from project related activities, shall be prevented from contaminating the soil and/or entering the waters of the state. Any of these materials, placed within or where they may enter a stream or lake, by Operator or any party working under contract, or with the permission of the Operator, shall be removed immediately.
- 22. The contractor shall not dump any litter or construction debris within the riparian/stream zone. All such debris and waste shall be picked up daily and properly disposed of at an appropriate site.
- 23. Department personnel or its agents may inspect the work site at any time.
- 24. The Operator is liable for compliance with the terms of this Agreement, including violations committed by the contractors and/or subcontractors. The Department reserves the right to suspend construction activity described in this Agreement if the Department determines any of the following has occurred:

A). Failure to comply with any of the conditions of this Agreement

B). Information provided in support of the Agreement is determined by the Department to be inaccurate.

C). Information becomes available to the Department that was not known when preparing the original conditions of this Agreement (including, but not limited to, the occurrence of State or federally listed species in the area or risk to resources not previously observed) D). The project as described in the Agreement has changed or conditions affecting fish and wildlife resources change.

Any violation of the terms of this Agreement may result in the project being stopped, a citation being issued, or charges being filed with the District Attorney. Contractors and subcontractors may also be liable for violating the conditions of this agreement.

Amendments and Renewals

The Operator shall notify the Department before any modifications are made in the project plans submitted to the Department. Project modifications may require an amendment or a new notification.

This Agreement is transferable to subsequent owners of the project property by requesting an amendment.

To renew the Agreement beyond the expiration date, a written request for a renewal must be submitted to the Department (1600 Program, Post Office Box 47, Yountville, California 94599) for consideration at least 30 days before the Agreement expiration date. A renewal requires a fee. The Fee Schedule can be obtained at <u>www.dfg.ca.gov/1600</u> or by phone at (707) 944-5520. Renewals of the original Agreement are issued at the discretion of the Department.

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To modify the project, a written request for an amendment must be submitted to the Department (1600 Program, Post Office Box 47, Yountville, California 94599). The fee for an amendment is one-half ($\frac{1}{2}$) of the original fee. Amendments to the original Agreement are issued at the discretion of the Department.

Please note that you may not proceed with construction until your proposed project has undergone CEQA review and the Department signs the Agreement.

I, the undersigned, state that the above is the final description of the project I am submitting to the Department for CEQA review, leading to an Agreement, and agree to implement the conditions above required by the Department as part of that project. I will not proceed with this project until the Department signs the Agreement. I also understand that the CEQA review may result in the addition of measures to the project to avoid, minimize, or compensate for significant environmental impacts:

Operator's na	me (print):/	Peter Hansen	
Operator's sig	nature: <u>///</u> /////////////////////////////////	Ell.nam	
Signed the	10th	day of September	, 200 3

Page 5 of 5 Date prepared: September 2, 2003

Operator's initials Notification Number 1600-2003-5071-3

-		For	Department Use Only		
Notification Number		Date Received:		Date Completed:	
Fees Enclosed	🛛 Yes \$		🗆 No \$		
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			enclosure for instructions)		Bardwin
					Much

	Notification Type					
0	1601 (Public)	۵	Timber Harvest Plan	(No)	5	
X	1603 (Private)	0	Commercial Gravel Extraction	(No))	
		D	Water Application	(No)).	

		Application Information	
	Name	Address	Telephone/Fax
Applicant:	Peter Hansen/Rick Tetzloff	805 SW Broadway, Suite 1850 Portland, OR 97205	Business: (503) 552-3781 Fax: (503) 223-7400
Operator:	Los Esteros Critical Energy Facility, LLC	Same as above	Business: Fax:
(If not applicant)	Not known at this point		Business: Fax:
Contractor Person: (If not applicant) •			Business: Fax:
Property Owner:	Santa Clara Valley Water District	5750 Almaden Expressway San Jose, CA 95118	Business: (408) 265-2600 Fax:: (408) 266-9751

				Project	Location	· · · · · · · · · · · · · · · · · · ·
Location Description:	The proposed stormwater outfall is located within the western SCVWD levee about 1,400 ft north of the Alviso. Milpitas Road					
	Count	у				Assessor's Parcel Number
Santa Clara	County, Cal	lifornia	15	5-31-0	02 (LECEF si	te); 15-31-055
	USGS Map	To	wnship R	ange	Section	Latitude/Longitude
Milpi	tas Quadrang	le	6 S :	1 W	22	37° 25' 38" N / 121° 55' 35" W
Name of River,	Stream, or Lake:	Coyote Cree	ek			
Tributary To?	San Fr	ancisco Bay				· · · · · · · · · · · · · · · · · · ·

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NOTIFICATION OF LAKE OR STREAMBED ALTERATION

(Continued)

ame of Applicant: __Rick Tetzloff, Calpine

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			Project	Description	on i i			T	
ct Name:	Ct Permanent Stormwater outfall, Los Esteros Critical Energy Facility								
Proposed Start Date:	6/15/200	4 Proposed Completion Date:	10/30/2004	Project Cost:	\$ 240,000		tream Encroachments: vest Plans Only) :	+	
Describe proj	ect below: (Attach separate pages	if necessary)					1	
Se	e attach	ed		·					
		b					Continued on separate page(s) -+	
A Mart				nts/Enclosu		·		-1	
	escription		Map showing project directions from near	t location, i	ncluding distance	ces and/or	Construction plans and drawings pertaining to the project	_	
Attach or enck	ose the docu	ments listed below, if c	omplete, and check the co	rrespondin	g boxes.				
Completed CEQA-docume	EQA-documents: Image: Negative Declaration Image: Mitigated Negative Declaration		Environmental Impact Report Application for Certification [CEC functional equivalent of EIR]		fication [CEC	Notice of Exemption Notice of Determination			
Copies of appl		Local, Describe: San	ta Clara Valley Water Dist	rict encroad	hment permit		*		
local, State, or federal permits	· X	State. Describe: App	plication for Certification, C	alifornia Er	vergy Commissi	on (01-AFC-12))	٦	
agreements, or authorizations:	rother \vdash	Federal. Describe: N	ationwide Permits (NWP 7	and NWP	33) in process		·		

I hereby certify that all information contained in this notification is true and correct and that I am authorized to sign this document. I understand that in the Event this information is found to be untrue or incorrect, I may be subject to civil or criminal prosecution and the Department may consider this notification to be incomplete and/or cancel any Lake or Streambed Alteration Agreement issued pursuant to this notification. I understand that this notification is valid only for the project described herein and that I may be subject to civil or criminal prosecution for undertaking a project that differs from the one described herein, unless I have notified the Department of the project in accordance with section 1601 or 1603 of the Fish and Game Code.

I understand that a department representative may need to inspect the property where the project described herein will take place before issuing a Lake or Streambed Alteration Agreement pursuant to this notification. In the event the Department determines that a site inspection is necessary. I hereby authorize the Department to enter the property where the project described herein will take place to inspect the property at any reasonable time and certify that I arm authorized to grant the Department permission to access the property.

I request the Department to first contact me at (insert telephone number) ___ (510) 587-7774______ to schedule a date and time to enter the property where the project described herein will take place and understand that this may delay the Department's evaluation of the project described herein.

_____ (Rene Langis) _ _ _ _ _ _ _ Date **Operator's Representative** Operator

Attachment for California DFG Form FG2023

Permanent Stormwater Outfall Los Esteros Critical Energy Facility (LECEF)

Project Description

Objective

The objective of the proposed project is to construct a permanent stormwater outfall structure into Coyote Creek for the Los Esteros Critical Energy Facility (LECEF) in north San Jose (Figure 1). An existing 24-inch diameter (inside pipe) force main and temporary stormwater outfall currently discharges into Coyote Creek through the western Santa Clara Valley Water District (SCVWD) levee that confines Coyote Creek in the project area. The existing stormwater flow reaches Coyote Creek waters after discharging to the high flow channel on the inside of the levee. The temporary outfall has been permitted by SCVWD for a period not to exceed 36-months. The proposed permanent stormwater outfall would tie into the existing 24-inch force main outside (west) of the levee and would continue through an underground pipe to the edge of Coyote Creek's low-flow channel where the discharge stormwater outfall would be constructed.

The proposed project would replace the existing, temporary stormwater outfall by removing the overland flow component. The upgraded stormwater outfall would accommodate increased flows from the LECEF site without significant degradation of surface water quality in Coyote Creek. The overland flow component of the existing stormwater discharge would be replaced with a subsurface pipe that would carry the stormwater to an outfall at the western edge of the Coyote Creek low flow channel. Using jack and bore techniques to install the pipeline beneath the protective clay, will also help to preserve the integrity of the layer.

Project Location

The LECEF site is located in the northern portion of the City of San Jose, California at 1515 Alviso-Milpitas Road (See Figure 2). The site is on the north side of State Route 237. Coyote Creek and it's associated flood control channel are located east of the LECEF site. The channel is confined by SCVWD levees on the east and west sides of Coyote Creek.

The LECEF parcel is located on the San Jose West 7.5-minute Series Quadrangle in Township 6 South, Range 1 West. The proposed stormwater outfall location will be approximately 300 feet east of the existing stormwater outfall junction box located about 1,400 feet north of Alviso-Milpitas Road on the west side of the SCVWD levee (Figure 3).

Proposed Activity

The proposed activity is to construct a permanent stormwater outfall for the LECEF facility. The new stormwater outfall would be installed within the levee immediately adjacent on the north side of an existing outfall structure. The existing outfall structure has a low-flow flap gate on the east side of the levee. A new outfall is needed to provide permanent outfall capacity for LECEF and vicinity stormwater drainage and to meet the long-term stormwater discharge requirements of the Los Esteros project.

The proposed stormwater outfall would tie into the existing 24-inch diameter (inside) pipe on the west side of the Santa Clara Valley Water District (SCVWD) levee. A 'jack and bore' installation method will be used to install a new 48-inch reinforced concrete pipe(RCP) beneath the SCVWD levee and the ground surface between Stations 1+22.00 and 3+70.00 (a distance of 248 feet) as shown on Figure 4. The remaining distance to the proposed outfall structure (Station 3+70.00 to $4+20.00\pm$ or approximately 50 feet) would be constructed using open trench methods.

The stormwater outfall structure would be constructed above and below the Ordinary High Water (OHW) associated with Coyote Creek as shown on Figure 5. The existing rock slope protection and geotextile materials would be removed prior to installation of the new structure while the surrounding areas are protected. New rock slope protection materials will be added once the outfall structure has been installed. The new materials will be matched in size and grade to the existing rock slope protection materials surrounding the outfall.

The proposed construction activities would be conducted during the summer months (after June 15) when flows in the Coyote Creek are expected to be low. Construction vehicles will be kept outside of the OHW mark for Coyote Creek. A temporary cofferdam will be installed around the proposed outfall location to dewater the construction stee during construction. This will permit installation of new geotextile and grouted rock slope protection materials around the new outfall pipe. The cofferdam will also be used to allow the continued flow of Coyote Creek waters around the proposed work area and to keep the waters of Coyote Creek from contacting uncured grout during construction. The cofferdam will be removed after the outfall construction is complete. The Contractor will be responsible for providing information on the design, operation, dewatering, and removal of the cofferdam as part of the Storm Water Pollution Prevention Plan (SWPPP) to be submitted prior to construction activities.

The construction vehicles will access the outfall location from the SCVWD access road from within the same corridor that will be used for pipeline installation. A preconstruction survey of the proposed access route and work site will be completed by a biological construction monitor 24 to 48 hours prior to startup of clearing activities. The vegetation within the access areas will be cleared using hand-held power tools (e.g., machetes and weed wackers) rather than using vehicle-mounted tools to help minimize potential disturbance to sensitive resources. Once the access route and work area have been cleared, then Environmentally Sensitive Area (ESA) fencing will be installed and keyed into the ground to isolate the work areas and access route from surrounding natural areas. Existing trees within this construction corridor will also be protected from construction activities.

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DEPARTMENT OF THE ARMY SAN FRANCISCO DISTRICT, U.S. ARMY CORPS OF ENGINEERS 333 MARKET STREET SAN FRANCISCO, CALIFORNIA 94105-2197

DEC 0 2 2003

Regulatory Branch

SUBJECT: File Number 26339S

Mr. Peter Hansen CALPINE c* Power 6601 Koll Center Parkway Pleasanton, California 94566

Dear Mr. Hansen:

This letter is in reference to your submittal of June 16, 2003, concerning Department of the Army authorization to construct a permanent stormwater outfall structure in Coyote Creek for the Los Esteros Critical Energy Facility (LECEF), east of 1515 Alviso-Milpitas Road, in the City of San Jose, Santa Clara County, California.

Based on a review of the information you submitted, your project qualifies for authorization under Department of the Army Nationwide Permits 7 – Outfall Structures and Maintenance and 33 – Temporary Construction, Access, and Dewatering (67 FR 2020, January 15, 2002), pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344). See Enclosure 1.

The project consists of removing approximately 10 cubic yards of rock slope protection, which will be replaced with the outfall pipe and similar rock slope protection materials to restore the same stream bank profile. Approximately 0.006 acre of waters of the U.S. will be disturbed during construction. A temporary cofferdam will be constructed to dewater the project site and allow the continued flow of Coyote Creek waters around the work area and to keep the waters of Coyote Creek from contacting uncured grout during construction. The cofferdam will be removed after the outfall construction is complete. All work shall be completed in accordance with the attached plans and drawings titled Los Esteros Critical Energy Facility Permanent Storm Drainage Outfall, dated March 23, 2003.

The project must be in compliance with the General Conditions cited in Enclosure 2 for this Nationwide Permit authorization to remain valid. Upon completion of the project and all associated mitigation requirements, you shall sign and return the Certification of Compliance, Enclosure 3, verifying that you have complied with the terms and conditions of the permit. Noncompliance with any condition could result in the revocation, suspension or modification of the authorization for your project, thereby requiring you to obtain an individual permit from the Corps. This Nationwide Permit authorization does not obviate the need to obtain other State or local approvals required by law. This authorization will remain valid for two years from the date of this letter unless the Nationwide Permit is modified, suspended or revoked. If you have commenced work or are under contract to commence work prior to the suspension, or revocation of the Nationwide Permit and the project would not comply with the resulting Nationwide Permit authorization, you have twelve (12) months from that date to complete the project under the present terms and conditions of the Nationwide Permit.

This authorization will not be effective until you have obtained a Section 401 water quality certification from the San Francisco Bay Regional Water Quality Control Board (RWQCB). If the RWQCB fails to act on a valid request for certification within two (2) months after receipt of a complete application, the Corps will presume a waiver of water quality certification has been obtained. You shall submit a copy of the certification to the Corps prior to the commencement of work.

To ensure compliance with the Nationwide Permit, the following special conditions shall be implemented:

- 1. All debris, fill and excess material generated as a result of the authorized work shall be removed from the site and disposed of in a location outside of Corps jurisdiction.
- 2. Construction activities will be conducted between June 15 and October 15 when flow in Coyote Creek is expected to be low.
- 3. Flow through the active creek channel will not be impeded at any time.
- 4. All disturbed riparian vegetation will be restored to pre-construction condition, and trees that are removed along the banks will be replaced at a 3 to 1 ratio.
- 5. Erosion and sediment control Best Management Practices, including the use of clean fill, will be appropriately implemented.
- 6. Construction vehicles will be kept above the Ordinary High Water Mark of Coyote Creek.
- 7. Construction vehicles will access the outfall location from the SCVWD access road from within the same corridor that will be used for pipeline installation.
- 8. Environmentally Sensitive Area fencing will be installed and keyed into the ground to isolate the work areas and access route from the surrounding natural areas.
- 9. Existing trees within the construction corridor will be protected from construction activities.

Should you have any questions regarding this matter, please call Holly Costa of our Regulatory Branch at 415-977-8438. Please address all correspondence to the Regulatory Branch and refer to the File Number at the head of this letter. If you would like to provide comments on our permit review process, please complete the Customer Survey Form available through the Forms and Contacts Block on our website: www.spn.usace.army.mil/regulatory.

Sincerely,

4 Ameth

Edward A. Wylie Chief, South Section

Enclosures

Copy furnished (w/ enclosures):

Rene Langis, CH2M HILL

Copy furnished (w/o enclosures):

US NMFS, Santa Rosa, CA CA RWQCB, Oakland, CA



State Water Resources Control Board

Division of Water Quality



Arnold Schwarzenegger Governor

Terry Tamminen Secretary for Environmental Protection

1001 I Street • Sacramento, California 95814 • (916) 341-5538 Mailing Address: P.O. Box 1977 • Sacramento, California • 95812-1977 FAX (916) 341-5543 • Internet Address: http://www.swrcb.ca.gov/stormwtr/index.html

Date Processed: 2/18/2003

Calpine Corp 3800 Cisco Way San Jose, CA 95134

RECEIPT OF YOUR NOTICE OF INTENT

The State Water Resources Control Board (State Water Board) has received and processed your NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY. Accordingly, you are required to comply with the permit requirements.

The WDID identification number: 2 431017829. Please use this number in any future communications regarding this permit.

FACILITY DESCRIPTION

OPERATOR: Calpine Corp FACILITY: Calpine Corp Los Esteros Criti COUNTY: Santa Clara FACILITY LOCATION: 1515 Milpitas Alviso Rd San Jose, CA 95134

When the operator changes (i. e. the business was bought or transferred), a new Notice of Intent (NOI), site map, and fee must be submitted by the new operator. As the previous operator, you are required to submit a Notice of Termination (NOT) to the Regional Water Board stating that your facility is not being operated by you and that you no longer need to be covered by the General Permit. Unless notified, you will continue to be invoiced for the annual fee each **January**.

If you have any questions regarding permit requirements, please contact your Regional Water Board at (510) 622-2300. Please visit the storm water web page at www.swrcb.ca.gov/stormwtr/index.html to obtain storm water related information and forms.

Sincerely,

Storm Water Section Division of Water Quality



California Regional Water Quality Control Board

San Francisco Bay Region

Winston H. Hickox Secretary for pytronmental Protection

Internet Address: http://www.swreb.ca.gov 1515 Clay Street, Suite 1400, Oakland, California 94612 Phone (510) 622-2300 • FAX (510) 622-2460



Date: JUL 2 6 2002 File No: 2188.07 (bkw) Site No: 02-43-C0407

Mr. Todd Stewart Calpine C*Power 4160 Dublin Boulevard Dublin, CA 94568-3139

Subject: Conditional Waiver of Waste Discharge Requirements for Los Esteros Critical Energy Facility Storm Drain Outfall Project in the City of San Jose, County of Santa Clara

Dear Mr. Stewart:

5.9.5.15

We have reviewed the application materials submitted to the San Francisco Bay Regional Water Quality Control Board (Regional Board) by Calpine C*Power (the Applicant) in accordance with Section 13269 of the Porter Cologne Act, and hereby issue conditional waiver of waste discharge requirements for the Applicant's project to construct a stormwater outfall for the Los Esteros Critical Energy Facility, in the City of San Jose in the County of Santa Clara (Project). This certification is conditioned upon payment of the remaining fee amount of \$500, prior to initiating work on the Project.

Project Description: The following Project description was derived from application materials received on July 15, 2002. The project is located along the west bank of Coyote Creek, 0.3 miles north of Highway 237 in the County of Santa Clara. The Applicant proposes to develop a natural-gas-fired generating facility in the north service area of the City of San Jose that will be known as the Los Esteros Critical Energy Facility (LECEF). To manage stormwater flows from LECEF, the Applicant proposes to construct a stormwater outfall in the high flow channel of Coyote Creek, approximately 220 feel from the low-flow channel of the Creek. The outfall will be composed of an existing 24-inch diameter culvert and a new energy dissipating pad constructed of concrete and rip rap. The existing culvert is located in the levy that defines the outer boundary of the high flow channel of the Creek.

Discharged stormwater will flow through the culvert and onto and across a 60-foot by 20-foot concrete pad, with a 5-foot-wide border of rip rap over geotextile fabric on the side of the pad opposite the culvert. The concrete pad and rip rap will be placed over an existing maintenance road that is paved with crushed aggregate. Stormwater discharged to the high flow channel from the proposed outfall will enter the low flow channel about 5,000 feet north of the culvert. At the point of release from the culvert, the high-flow channel is a 200-foot wide grassy swale that is separated form the low-flow channel by a 3-foot-high to 5-foot-high berm. The discharge system from the LECEF has been designed for a 25-year storm event discharge rate of 33 cubic feet per second (cfs). Estimated discharge rates for the 10-year, 3-year, and 1year events are 26 cfs, 16 cfs, and 3 cfs, respectively.

Impacts: The San Francisco Bay Basin Water Quality Control Plan (Basin Plan) defines the beneficial uses of waters of the State. The Project is located within the banks of Coyote Creek, which has existing and potential beneficial uses of: cold freshwater habitat, fish migration, preservation of rare and endangered species, contact and non-contact water recreation, fish spawning, warm freshwater habitat, and wildlife habitat. In addition, Coyote Creek is designated as critical habitat for a federally listed

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 http://www.swrch.ca.gov.

Mr. Stewart

J.,

- 2 -

population of threatened Central California Coast Steelhead (Final Rule, Federal Register Vol. 65, No. 32, February 16, 2000).

No trees or riparian vegetation will be removed to construct the outfall, since the concrete and rip rap will be placed on an existing maintenance road that is paved with crushed aggregate. The concrete pad will consist of approximately 35.6 cubic yards of concrete, placed over an area of 1,200 square feet, and the rip rap border will consist of approximately 20 cubic yards of rock, placed over a surface area of 300 square feet. The combined surface area of the concrete and rip rap will be about 0.035 acres.

Mitigation: Mitigation for permanent impacts will not be required because the energy dissipating pad will be constructed over a segment of an existing maintenance road. The Applicant has filed a Notice of Intent (NOI) to comply with the General Permit for Discharges of Storm Water Associated with Construction Activity and prepared a Storm Water Pollution Prevention Plan (SWPPP) addressing measures to minimize and control construction and post-construction runoff. The California Energy Commission (CEC) reviewed the SWPPP as part of the CEC's review of the Application for Certification (AFC) for the LECEF.

CEQA Compliance: LECEF is under the jurisdiction of the CEC (Pub. Res. Code Section 25500 et seq.). During licensing proceedings, the CEC acts as the lead State agency under the California Environmental Quality Act (CEQA) (Pub. Res. Code Section 25519(c), Section 21000 et seq.). The CEC's licensing review process and the associated documents are functionally equivalent to the preparation of an Environmental Impact Report under CEQA (Pub. Res. Code Section 21080.5). The CEC approved the Applicant's AFC on July 2, 2002.

Waiver of Waste Discharge Requirements: I find that waiving waste discharge requirements for this specific discharge is not against the public interest, and hereby waive waste discharge requirements for this discharge pursuant to Regional Board Resolution No. 83-3. The conditions of this certification and waiver are as follows:

- 1. No debris, rubbish, creosote-treated wood, soil, silt, sand, cement, concrete, or washings thereof, or other construction related materials or wastes, oil or petroleum products or other organic or earthen material shall be allowed to enter into, or be placed where it may be washed by rainfall or runoff into Coyote Creek. Any of these materials placed within or where they may enter Coyote Creek by the Applicant or any party working under contract, or with the permission of the Applicant shall be removed immediately. When operations are completed, any excess material shall be removed from the work area and any areas adjacent to the work area where such material may be washed into Coyote Creek. During construction, the contractor shall not dump any litter or construction debris within the riparian/stream zone. All such debris and waste shall be picked up daily and properly disposed of at an appropriate site;
- 2. The Applicant shall adhere to the conditions of the Section 1601 Lake and Streambed Alteration Agreement (R3-2002-0037), issued by the California Department of Fish and Game (CDFG); to prevent the accidental discharge of sediment to Coyote Creek, construction within the high-flow channel will be restricted to the dry season, as specified in Lake and Streambed Alteration Agreement, or to any extension of the work period that is authorized by the CDFG;
- 3. Storm drains lines/culverts shall be adequately sized to carry peak storm flows for the drainage to one outfall structure. The storm drain lines/culverts and the outfall structure shall be properly aligned within the stream and otherwise engineered, installed and maintained, to assure

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Mr. Stewart

resistance to washout, and crosion of the stream bed, stream banks and/or fill. Water velocity shall be dissipated at the outfall, to reduce erosion;

-3-

- 4. All work shall be done according to the plans, prepared by CH2MHill and dated May 1, 2002, submitted to the Regional Board with the application for waiver of waste discharge requirements;
- 5. No equipment shall be operated in areas of flowing or standing water; no fueling, cleaning, or maintenance of vehicles or equipment shall take place within any areas where an accidental discharge to Coyote Creek may occur; construction materials and heavy equipment must be stored outside of the ordinary high water mark;
- 6. Waiver of waste discharge requirements is conditioned upon full payment of the required fee. The total fee required for certification of the subject project is \$1,000. Regional Board staff received \$500 as a fee deposit. Please submit the remaining amount of \$500 prior to initiating the subject project.

Please be aware that any violation of waiver of waste discharge requirement conditions is a violation of State law and subject to administrative civil liability pursuant to California Water Code (CWC) Section 13350. Failure to respond, inadequate response, late response, or failure to meet any condition of a certification or waiver may subject the Applicant to civil liability imposed by the Regional Board to a maximum of \$1,000 per day of violation or \$10 for each gallon of waste discharged in violation of this action. Any request for a report made as a condition to this action is a formal request pursuant to CWC Section 13267, and failure or refusal to provide, or falsification of such requested report is subject to civil liability as described in CWC Section 13268.

We anticipate no further action on this request. However, should new information come to our attention that indicates a water quality problem with this Project, the Regional Board may issue Waste Discharge Requirements. This waiver action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to CWC Section 13330.

Please contact Brian Wines of my staff at (510) 622-5680 or <u>bkw@rb2.swrcb.ca.gov</u> if you have any questions. All future correspondence regarding this Project should reference the Site Number indicated at the top of this letter.

Sincerely Loretta K. Barsamian **Executive** Officer

cc: SWRCB-DWQ, Tom Filler

USACE, San Francisco District, Attn: Gordon Lin, Regulatory Branch, 333 Market Street, San Francisco, CA 94105 –2197 (file number 24877S)

CDFG, Central Coast Region, Attn: Robert Floerke, Regional Manager, P.O. Box 47, Yountville CA 94599 (Notification No. R3-2001-0016)

Santa Clara Valley Water Control District, Attn: Sue Tippets, Community Projects Review Unit 5750 Almaden Expressway, San Jose, Ca 95118-3686

U.S. EPA, Tim Vendlinski, WTR-8.

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 http://www.sweb.ca.gov.





C.v

August 13, 2002

Mr. Chris Huntley **Compliance Project Manager** Los Esteros Critical Energy Facility (01-AFC-12) California Energy Commission 1516 Ninth Street, MS-2000 Sacramento, CA 95814

RE: Los Esteros Critical Energy Facility (LECEF) **Condition of Certification SOIL & WATER-4** Santa Clara Valley Water District Outfall Permit

Dear Mr. Huntley:

Pursuant to Condition of Certification SOIL & WATER-4, Calpine Corporation has received the enclosed Outfall Permit from the Santa Clara Valley Water District.

If you or your technical staff have any questions concerning the enclosed Permit, please contact me at (925) 479-6833.

Sincerely,

John E. Larsen **Compliance Manager**

Enclosures

cc: Gerard Murray, Calpine Todd Stewart, Calpine Dave Shibley, Calpine Sam Grossman, Calpine Karen Betenbaugh, Calpine Steve De Young, Calpine Tony Rossi, Calpine Ron Sichau, Calpine Chuck Vosicka, Calpine

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4160 Dublin Boulevard • Dublin, California 94568-3139 • Phone (925) 479-6600 • Fax (925) 479-7313

Santa (Jara Va	billey Woter District 5750 ALMADEN	NEXPRESSWAY, S	AN JOSE, CA 95118-3614	(408) 265-260	00 FCE 60w (04-24-
Facility:	Coyote Creek	Date Issued:	July 30, 2002	Permit	No. : 02464
Partitee:	Calpine C*Power Attention: Mr. Todd Stewart 4160 Dublin Boulevard Dublin, CA 94560	Telephone:	(925) 479-6600	File:	28496 Coyote Creek Wly Highway 880 Nly Highway 237
Applicant:	Mr. Bruce McClish CH2M Hill 1737 North First Street, Suite 300 San Jose, CA 95112	Telephone:	(408) 436-4909	Re:	Los Esteros Critical Energy Facility; Storm Water Outfall
Purpose of I	Permit:				

Encroachment
 Installation of a 60- by 20-foot portland cement concrete pad for temporary outfall protection on the District access road, within District fee tille right of way.
 Temporary
 Continued on page 3

Construction Expiration Date: ______ July 30, 2003 _____ Encroachment Expiration Date: ______ July 30, 2005

PERMITTEE MUST NOTIFY AND FURNISH SCHEDULE OF WORK TO:

District's Construction Unit, c/o Mr. Dean Arroyo, (408) 265-2607, extension 2801, at least 2 normal working days before starting any work under this permit. Failure to notify is cause for revocation of permit and removal of work. Exercise of his permit shall indicate acceptance of and agreement to comply with all provisions included herein. This permit is subject to he General Provisions listed on the reverse side hereof or as expressly modified in the additional Special Provisions listed velow. Violation of any provision shall be cause for immediate revocation of permit.



SPECIAL PROVISIONS

All backfill within District right of way shall be compacted to at least 90 percent relative compaction which shall be determined using maximum dry density based on ASTM D 1557 laboratory test procedure. Field dry density and water content of soil should be determined following the ASTM D 1556 or ASTM D 2922/ASTM D 3017 standard procedure as applicable.

Continued on page 3

odd Stewart alpine C*Power

Approval:

Timeto Sue A. Tippets, P.E.

PFRM

Engineering Unit Manager Community Projects Review Unit

have read, understand, and agree to the terms and conditions of this permit, and declare that I have signatory authority on ehalf of Calpine C*Power.

c: Mr. Robert Worl Project Manager California Energy Commission 1516 Ninth Street, MS40 Sacramento, CA 95814



E 60e (04/24/02)

GENERAL PROVISIONS

- A. PERMITTEE MUST MAINTAIN A COPY OF THIS PERMIT AND APPROVED PLANS ON JOBSITE FOR DURATION F CONSTRUCTION PERIOD.
- B. All work shall be constructed in accordance with approved plans and to the satisfaction of the District's Inspector. No change of program, as outlined in application or drawings submitted with application, will be allowed except upon written permission of the District. The work area must be restored to the satisfaction of the District's Inspector.
- C. Activities and uses authorized under this permit are subject to any instructions of the assigned District representative. ALL INSTRUCTIONS MUST BE STRICTLY OBSERVED.
- D. Permittee is responsible for complying with any applicable water quality standards adopted by the District, Regional Water Quality Control Board, State Water Resources Control Board, or other jurisdictional or properly empowered regulatory agency.
- E. The permittee shall not use, store, transport, or place any hazardous substances, hazardous wastes, or materials contaminated with hazardous substances on District right of way or adjacent to District right of way such that it may purposefully or accidentally be spilled or otherwise discharged onto same right of way. If a discharge of a hazardous substance or waste occurs as a result of the permittee's operation, the permittee is responsible to: (1) notify the proper authorities; (2) investigate, remove, and monitor the hazardous substances or wastes to the satisfaction of the District and any regulatory agency; (3) bear any and all costs associated with the remedial activities and, (4) be recognized as the generator and owner of the wastes.
- F. The permittee shall submit to the District a fully completed "Import Material Certification Form" for any soils that will be placed or stored on District right of way that do not originate from within the legal boundaries of such right of way.
- G. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and hold harmless, District, its Directors, officers, agents, and employees from any and all demands, claims, expenses, costs, or liability of any nature, including death or injury to any person, property damage, or any other loss, caused by or arising out of, or incurred in connection with, or resulting from, the exercise of this permit by permittee, or permittee's officers, agents, subcontractors, assignees, or employees, or any of them, including, but not limited to, negligent acts, errors, or omissions, or willful misconduct, or conduct for which the law imposes strict liability on permittee.

Any damage caused to District structures including, but not limited to, fencing, levee surfacing, and asphalt walkway eason of exercise of this permit shall be repaired at the cost of permittee to the satisfaction of the District. Show permittee neglect to make repairs promptly, District may make repairs or have repairs made, and permittee agrees to reimburse District for all costs of such repairs. District may require a security deposit in advance from permittee to secure the performance of this clause. Unexpended portions of any deposit shall be refunded to permittee within 14 working days of the expiration of this permit. The posting of such a security deposit shall not relieve the permittee from any liability under this permit which exceeds the value of the deposit required.

- This permit is valid only to the extent of District jurisdiction. Permits required by other interested agencies and consent of underlying fee owners of District easement lands are the responsibility of the permittee. NOTHING CONTAINED IN THIS PERMIT SHALL BE CONSTRUED AS A RELINQUISHMENT OF ANY RIGHTS NOW HELD BY THE DISTRICT.
- J. This permit is subject to all prior unexpired permits, agreements, easements, privileges, or other rights, whether recorded or unrecorded, in the area specified in this permit. Permittee shall make arrangements with holders of such prior rights.
- K. Unless otherwise specified herein, this permit may be revoked or canceled at any time by the District when required for flood control, conservation, or water utility purposes.
- L. Upon written notice of cancellation or revocation of this permit for any cause whatsoever, permittee shall restore District right of way and structure to the condition prior to the issuance of the permit and then shall vacate District property. Should permittee neglect to restore the premises or structures to a satisfactory condition, the District may perform such work or have work performed, and permittee agrees to reimburse the District for all costs of the work so performed upon receipt of a statement therefor.
- M. Trench safety has not been checked and is not implied with this permit. Compliance with Section 6705 of the Labor Code concerning trench excavation and the obtaining of a "Permit to Excavate" issued by the Division of Occupational Safety and Health as required by Labor Code Section 6500 shall be the responsibility of the permittee.
- N. Permittee shall be responsible for compliance with California Labor Code Section 6300 (and following).



CE 60 (11/6/97)

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Covote Creek

PURPOSE OF PERMIT—Continued

- 2. Minor grading on Coyote Creek high flow channel to drain storm water into the low flow channel, within District fee title right of way.
- 3. Installation of a 24-inch diameter ductile iron pipe (DIP) and associated appurtenances, westerly of District levee and within District fee tille right of way.
- 4. Connection of a 24-inch diameter DIP to an existing 24-inch diameter corrugated metal pipe (CMP) located across District levee and within District fee title right of way.
- 5. Installation of a 22-inch diameter high density polyethylene (HDPE) pipe inside an existing 24-inch diameter CMP located across the District levee and within District fee title right of way.
- 6. Removal of outfall and slope protection improvements prior to permit expiration.

SPECIAL PROVISIONS---Continued

- Obstructions to the existing waterway between October 15 and April 15 will not be allowed except by special permit from the District. Allow at least 15 days for the District to review and approve detailed plans and provisions for emergency flows.
- 3. Permittee shall use only nonpotable or reclaimed water for completion of activities under this permit, unless the District approves another source.
- Permittee shall be responsible to adjacent property owners for disturbances of any kind caused by permittee's
 operations.
- 5. The 24-inch CMP located across the District levee was installed by the District to allow Mr. Cilker to exercise his legal water rights on Coyote Creek. Permittee shall be responsible for obtaining Mr. Cilker's permission and coordinate with Mr. Cilker so as to not impact his use of the 24-inch CMP and/or the full exercise of his legal mater rights.

mittee is responsible for accurately locating all utilities and for repairing any damage caused by the proposed work.

- 7. Permittee shall prevent construction materials and wastes, including sediment and nonstorm water, from directly or indirectly entering Coyote Creek.
- 8. All work associated with this permit is to be in accordance with the plans which were submitted to and accepted by the District.
- 9. Permittee shall be responsible for any adverse impacts to the riparian habitat within Coyote Creek high flow channel resulting from the work permitted hereunder, including the proposed grading activities.
- 10. All the work permitted hereunder is temporary in nature and shall be removed, and the site restored to its original condition, within 3 years from the issuance of this permit. Plans for the restoration of the site must be submitted to and approved by the District prior to removal of the outfall and slope protection improvements.
- 11. Permittee and Permittee's contractor will, at Permittee's and Permittee's contractors' own expense, secure and maintain, in full force and effect at all times during its activity under this permit, general and automobile liability and Workers' Compensation insurance forms, to limits of liability, and with a carrier satisfactory to the District, insuring Permittee and the Santa Clara Valley Water District, its Directors, officers, agents, employees, and volunteers from and against any claim, loss, liability, cost, or expense arising out of or in any way connected with this permit. A certificate of insurance and separate additional insured endorsement shall be delivered to and approved by the District before this permit shall be effective.

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- e .	SENT	BY:	SCVWD	CPRU

SENT BY: S		408 266 975		14-03 10:10	PERMIT
ility:			AN JOSE, CA 95118-36		00 FCE 60w (04-24-02
mity.	Coyote Creek	Date Issued:	July 23, 2003	Permi	t No.: Draft
Permittee:	Calpine C*Power Attention: Mr. Todd Stewart 4160 Dublin Boulevard Dublin, CA 94560	Telephone:	(925) 479-6600	File:	28496 Coyote Creek Wly Highway 880 Nly Highway 237
Applicant:	Mr. Bruce McClish CH2M Hill 1737 North First Street, Suite 300 San Jose, CA 95112	•	(408) 436-4909	Re:	Los Esteros Critical Energy Facility; Storm Water Outfall
Purpose of I	Permit: `				
⊠ Encroach ⊠ Constructi ⊡ Temporar	on (District) levee and ov	reinforced concre verflow channel by	te pipe (RCP) unde bore and jack met	Santa Clara	I Valley Water District strict fee title right of way.
Construction	• Expiration Date: July 23	2004	ncroachment Expl	ration Date:	
	E MUST NOTIFY AND FURN		- Orda		
	struction Unit, c/o Mr. Dean Arroyog				unding down before
the General F	all indicate acceptance of and agree Provisions listed on the reverse side ion of any provision shall be cause t	hereof or as expre	essly modified in the cation of permit.	additional S	pecial Provisions listed
determ	kfill within District right of way shall i ined using maximum dry density ba t of soil should be determined follow licable.	be compacted to a sed on ASTM D 1	t least 90 percent re 557 laboratory test	procedure, F	ield dry density and water
	page 3		d <u>-</u> Tele Strate		
of this permit.	nderstand; and agree to the terms a and declare that I have signatory a	and conditions where the second se			
of Calpine C*	Power.		Appro	oval:	
			ÖR	IGINAL SIGN	IED BY
Fodd Stewart Calpine C*Po			Engir	A. Tippets, P. neering Unit M munity Projec	
Project Califorr 1516 N	pert Worl Manager nia Energy Commission inth Street, MS40 nento, CA 95814-5504	Mr. Eric Be Corps of E 333 Marke San Franc	ingineers		
J. Fiedl	er, S. Tippets, S. Yung, M. Klemend	ic, L. Melton, S. K	atric, File (2)		
əh:jl:mf					

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yote Creek

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Permit No. Draft

PURPOSE OF PERMIT—Continued

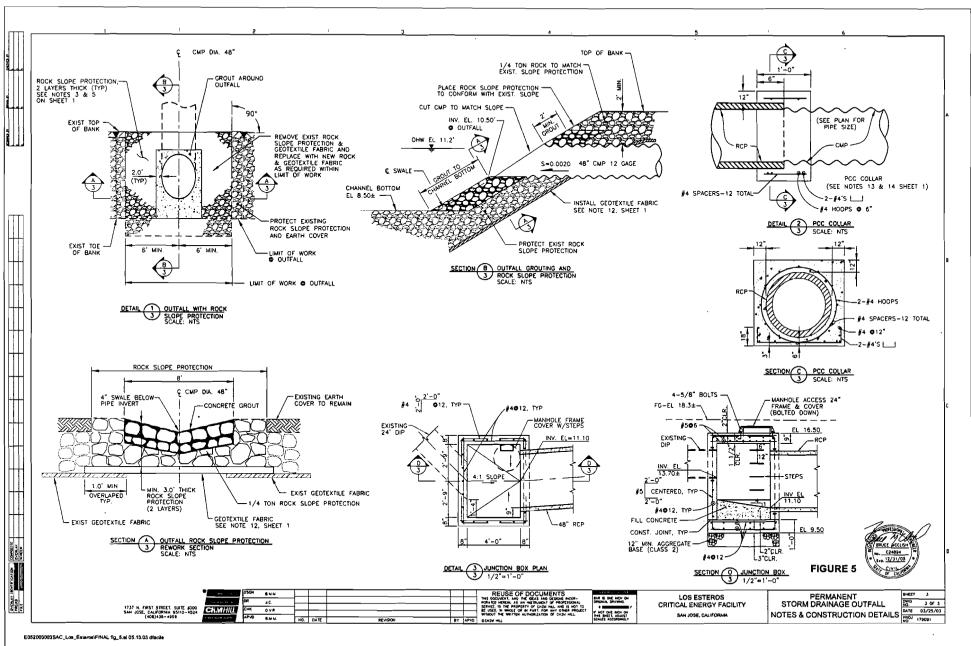
- 2. Installation of 39 feet of 48-inch corrugated metal pipe (CMP) within overflow channel by open trench method.
- 3. Installation of rock riprap slope protection at terminus of 48-inch CMP output

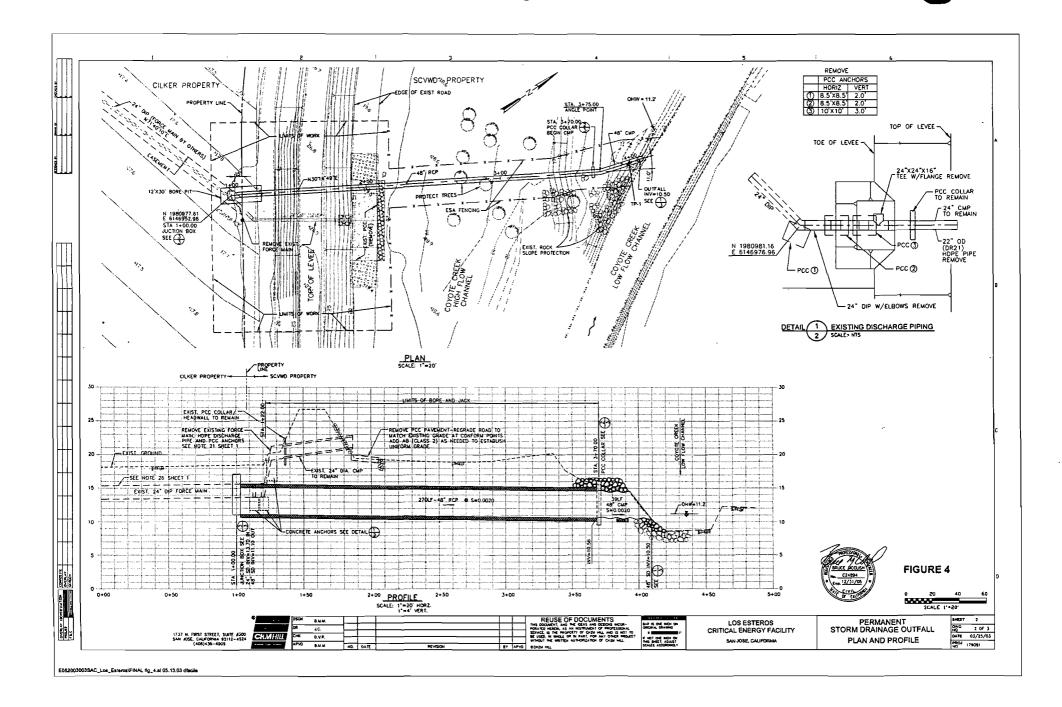
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- Removal of existing 22-inch high density polyethylene (HDPE) pipe through levee, removal of concrete anchors and 4. concrete pavement installed under permit 02464.
- 5. Minor grading and placement of aggregate base rock within overflow channel to restore site upon removal of concrete paving.

SPECIAL PROVISIONS—Continued

- 2. Obstructions to the existing waterway between October 15 and April 15 will not be allowed except by special permit from the District. Allow at least 15 days for the District to review and approve detailed plans and provisions for emergency flows.
- 3. Permittee shall use only nonpotable or reclaimed water for completion of activities under this permit, unless the District approves another source.
- Permittee shall be responsible to adjacent property owners for disturbances of any kind caused by permittee's 4 operations.
- Permittee is responsible for accurately locating all utilities and for repairing any damage caused by the proposed work. 5.
- Permittee shall prevent construction materials and wastes, including sediment and nonstorm water, from directly or 6. indirectly entering Coyote Creek.
- 7. All work associated with this permit is to be in accordance with the plans which were submitted to and accepted by the District.
- Permittee shall be responsible for any adverse impacts to the riparian habitat within Coyote Creek high flow channel resulting from the work permitted hereunder, including the proposed grading activities. All joints in 48-inch pipe are to be waterlight. Discharge from pipe is limited to 67 cubic feet per second, the 10-year flow from the 120 acre Los Esteros and U.S. 8. 9
- Dataport site.
- Permittee is responsible for maintenance of outfall pipe and exit structure.
- 12. Permittee is responsible for the kistaliation, maintenance, and integrity of the back flow prevention device to be installed off-sile;





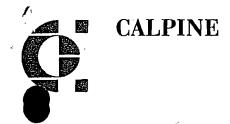
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Recycled Water - METER #16616799							
	HCF		age Daily Use				
Jan		0					
Feb	0	0					
Mar		0					
Apr	23669	17,704,412	147537 This is first reading. Starting taking water 1/03				
May		0					
Jun	2566	1,919,368	31465				
Jul		0					
Aug	5967	4,463,316	71989				
Sep		0					
Oct	5399	4,038,452	66204				
Nov		0					
Dec	1960	1,466,080	24034				
Annual	Total	29,591,628					

	Recycled Water - METER# 16616800							
	HCF	GAL						
Jan		0						
Feb	0	0_						
Mar		0						
Apr	380	284,240	2369					
May		0						
Jun	59	44,132	723					
Jul		0						
Aug	6611	4,945,028	81066					
Sep		0						
Öct	5900	4,413,200	72348					
Nov		0						
Dec	2261	1,691,228	27725					
Annual	Total	11,377,828						

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LOS ESTEROS CRITICAL ENERGY FACILITY 800 THOMAS FOON CHEW WAY SAN JOSE, CALIFORNIA 95134

March 30, 2004

Tellis R. Hynes SAN JOSE/SANTA CLARA WATER POLLUTION CONTROL PLANT Environmental Services Building 700 Los Esteros Road San Jose, CA 95134

Dear Tellis,

Enclosed is the Self-Monitoring Report for Los Esteros Critical Energy Facility due March 31, 2004. Please do not hesitate to call me if you should have any questions. I may be reached at (408) 456-2690 ext. 1612.

Sincerely, CALPINE CORPORATION

Charles J. Hoock Operations Manager Los Esteros Critical Energy Facility

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Enclosure

0407.LECEF

SAN JOSE'/SANTA CLARA WATER POLLUTION CONTROL PLANT
SELF MONITORING REPORT

					_	ORING REI	· · · · · · · · · · · · · · · · · · ·			
COMPANY NAME: Los Esteros Critical Energy Facility, L.L.C.							Permit #:	SJ-488A	WPCP use only - sample #	
Discharge Addr	ess: 1515 Alvis	o-Milpitas R	oad, San .	Jose, CA						
2 Due Date: 31 March 2004 St			Samp	imple Time:			Sample Point Description: Waste water pump final			
				Composite 1200 to 1200, 24 hours				discharge to sanitary sewer line.		
(rab 1330, 03/11/04			}			
Sampled By: Clearwater Environmental Sample					le Date: 03/10/04 - 03/11/04					
Date Received:	/	_				Received By	':			
List all value. (or indicate units		,	ANA	ALYTICA	AL R	ESULTS			Attach Original Report	
PARAMETER	Det. Limit	Conc.	Grab Comp (G/C)	PARAMETER		Det. Limit	Conc.	Grab Comp (G/C)	Laboratory Used: Entech Analytical Labs, Inc.	
Antimony				EPA 601/602*					Attach extra sheets for additional sample points.	
Arsenic				EPA 624/625*				-	Included? Yes? So?	
Beryllium				Phenols					ARE DISCHARGE STANDARDS BEING MET ON A CONSISTENT	
Cadmium			_	Xylene					BASIS? Yes? @ No? @	
Chromium (T)	.005	ND	С	Oil & Gr	ease				If "no", what additional operation and maintenance or pretreatment measures	
Соррег	.005	.007	С	Cyanide (A) Cyanide (T)					are necessary to achieve consistent compliance?	
Lead								-	Enclose a statement or report	
Managanese				pН		NA	7.8	G	Flow Measurement by: (Circle one)	
cury				Other:					(Effluent Meter) (Influent Meter) (Bills)	
Niekel									Composite Sample? 🔗	
Selenium		_					_		Sample duration (hrs) 24	
Silver						~			or	
Zinc	.005	0.81	C	QA/QC Provided? Y 🛩			N @		Batch Sample? 🔗	
* Totalize all TTO	(EPA 601/602 &	EPA 624/625)	results gr	eater than 10	ppb (u	g/l)		_	Representative of:	
FLOW DATA: Process Name:						(gpd)		Max (gpd)	
Los Esteros Critical Energy Facility						40,200				
that qualified person persons directly res	nnel properly gati ponsible for gathe	her and evaluat ering the inforr ties for submit	nd all attact te the infor- nation, the ting false i	chments were mation subm information information,	e prepare hitted. E submitt includir	lased on my inquited is, to the best	ction or super iry of the per of my knowl of fine and ir	son or perso edge and be nprisonment	cordance with a system designed to assure ons who manage the system, or those lief, true, accurate, and complete. I am t for knowing violations."	

PREPARED BY: 3/24/04	CERTIFIED BY: 3/24/01				
Signature and Date	Signature and Date				
d Name and Title Charlie Hoock – Operations Manager	Printed Name and Title Charlie Hoock - Operations Manager				

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CALPINE Los Esteros Critical Energy Facility 2003-2004 Semi-annual Flow Data: September - February All Data In Kgal

Midnight Meter		Previous	5052.8			
DATE	September	October	November	December	January	February
1	5079.0	7221.8	9141.3 9779.5		10847.5	11435.9
2	5210.3	7221.8	9141.3	9807.6	10852.5	11456.5
3	5347.1	7238.2	9226.2	9812.6	10852.5	11648.8
4	5479.3	7238.2	9289.5	9812.6	10857.4	11732.1
5	5628.1	7238.2	9314.4	9817.9	11001.0	11743.2
6	5634.7	7368.0	9318.4	9817.9	11091.3	11747.5
7	5638.9	7524.9	9373.7	9817.9	11123.4	11751.7
8	5709.5	7555.4	9386.1	9867.3	11210.4	11751.7
9	5719.0	7555.4	9403.2	9969.3	11219.2	11760.4
10	5788.7	7559.4	9407.3	10198.8	11223.2	11814.2
11	5895.7	7559.4	9407.3	10258.7	11223.2	11884.6
12	5997.2	7659.8	9411.3	10324.6	11227.2	12044.6
13	6057.6	7683.7	9415.4	10350.9	11307.0	12115.8
14	6065.8	7768.5	9433.3	10350.9	11311.4	12119.9
15	6069.8	7807.5	9433.3	10424.4	11315.5	12127.8
16	6118.0	7811.5	9433.3	10487.0	11319.4	12132.0
17	6128.2	7891.4	9441.5	10535.2	11377.8	12132.0
18	6132.2	7953.3	9441.5	10542.4	11377.8	12140.0
19	6171.6	8047.7	9478.4	10548.1	11381.9	12140.0
20	6278.1	8195.5	9494.5	10548.1	11386.0	12144.3
21	6441.7	8332.5	9498.4	10553.1	11394.7	12148.4
22	6628.6	8491.8	9498,4	10558.7	11394.7	12148.4
23	6904.0	8511.9	9498.4	10563.9	11403.5	12152.4
24	6985.5	8581.4	9642.3	10563.9	11403.5	12156.5
25	6985.5	8671.1	9699.8	10568.8	11407.5	12204.1
26	7020.5	8747.4	9721.5	10568.8	11411.7	12259.1
27	7020.5	8871.8	9721.6	10573,8	11411.7	12277.5
_28	7020,5	9034.5	9721.6	10627.3	11419.7	12281.7
29	7025.0	9132.8	9721.6	10770.2	11423.8	12285.6
30	7165.8	9132.8	9726.7	10821.6	11427.8	
31		9141.3		10832.0	11427.8	

	1	Average	Max			
Daily	Use Kgal	40.2	275.3			
DATE	September	October	November	December	January	February
1	26.1	56.0	8.5	52.8	25.8	8.1
2	131.3	0.0	0.0	28.1	5.0	20.5
3	136.8	16.5	84.8	5.0	0.0	192.3
4	132.2	0.0	63.3	0.0	4.9	83.3
5	148.8	0.0	24.9	5.3	143.6	11.0
6	6.7	129.8	4.0	0.0	90.3	4.4
7	4.2	156.9	55.3	0.0	32.1	4.2
8	70.6	30.5	12.4	49.3	87.0	0.0
9	9.5	0.0	17.1	102.1	8.9	8.7
10	69.7	4.0	4.1	229.4	4.0	53.8
11_	107.1	0.0	0.0	60.0	0.0	70.4
12	101.4	100.4	4.0	65.9	4.0	160.0
13	60.4	23.9	4.1	26.2	79.8	71.1
14	8.2	84.9	17.9	17.9 0.0		4.2
. 15	4.0	39.0	0.0	73.5	4.1	7.9
16	48.3	4.0	0.0	62.6	3.9	4.1
17	10.2	79.9	8.3	48.2	58.5	0.0
18	4.0	61.9	0.0	7.2	0.0	8.0
19	39.4	94.4	36.9	5.6	4.1	0.0
20	106.5	147.8	16.1	0.0	4.1	4.2
21	163.6	137.0	3.9	5.0	8.7	4.1
_22	186.9	159.2	0.0	5.6	0.0	0.0
23	275.3	20.1	0.0	5.2	8.8	4.0
24	81.6	69.6	143.9	0.0	0.0	4.1
25	0.0	89.6	57.5	4.9	4.0	47.5
26	35.0	76.3	21. <u>8</u>	0.0	4.2	55.0
2.7	0.0	124.5	0.0	4.9	0.0	18.4
28	0.0	162.6	0.0	53.5	7.9_	4.2
29	4.5	98.4	0.0	142.9	4.1	3.9
30	_ 140.7	0.0	5.1	51.5	4.0	北部现在地震
31		8.5		10.4	0.0	
Totals	2112.9	1975.6	593.8	1105.4	606.2	857.8
10(0)3	616.3	1913,0	030.0	<u> </u>		

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

March 17, 2004

Fred Chandler Clearwater EMI PO Box 2407 Union City, CA 94587

Order:	38200	Date Collected:	3/11/2004
Project Name:	SMR-Calpine/Los Esteros Cogen	Date Received:	3/11/2004
Project Number:		P.O. Number:	0403-042
Project Notes:			

On March 11, 2004, samples were received under documentented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	Method	Comments.
Liquid	Chromium	EPA 200.7	
	Copper	EPA 200.7	
	PDF	PDF	
	рН	EPA 150.1	
	Zinc	EPA 200.7	

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,

Patti Sandrock QA/QC Manager

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200 Fax: (408) 588-0201

Clearwater EMI	Date: 3/17/2004
PO Box 2407	Date Received: 3/11/2004
Union City, CA 94587 Attn: Fred Chandler	Project Name: SMR-Calpine/Los Esteros Coge Project Number: P.O. Number: 0403-042
Certified Analytical Report	Sampled By: Client

Order ID:	38200	Lab	Sample	e ID: 382	200-002	Client Sample ID: LECEF-SP2(Grab)						
Sample Time:	1:30 PM	S	ample I	Date: 3/1	1/2004	Matrix: Liquid						
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method			
рН	7.8	1			STU	N/A	3/11/2004	WPH040311	EPA 150.1			

 $DF \approx Dilution Factor$

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

<u>3 117 104</u> Date

<u>311716</u> Date ueges

Supervisor

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200 Fax: (408) 588-0201

Clearwater EMI PO Box 2407 Union City, CA 94587 Attn: Fred Chandler Date: 3/17/2004 Date Received: 3/11/2004 Project Name: SMR-Calpine/Los Esteros Coge Project Number: P.O. Number: 0403-042 Sampled By: Client

Certified Analytical Report

Order ID:	38200	Lab	Sample	ID: 382	200-001	Client Sample ID: LECEF-SP2(Comp.					
Sample Time:	1:30 PM	S	ample D	ate: 3/1	1/2004_	Matrix: Liquid					
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method		
Chromium	ND	1	0.005	0.005	mg/L	3/11/2004	3/17/2004	WM8667	EPA 200.7		
Copper	0.007	1	0.005	0.005	mg/L	3/11/2004	3/17/2004	WM8667	EPA 200.7		
Zinc	0.81	1	0.005	0.005	mg/L	3/11/2004	3/17/2004	WM8667	EPA 200.7		

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Marcaine Idix 3,17,04 Date Analyst

<u>3 117 160</u> Date

Quality Control Results Summary

QC Batch #: WM8667 Matrix: Liquid

mg/L Units: 3/12/2004 Date Analyzed:

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Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Туре	% Recovery	RPD	RPD Limits	Recovery Limits
Chromium	EPA 200.7	ND		0.5		0.574	LCS	114.8			93.2 - 120.3
Copper	EPA 200.7	ND		0.5		0.523	LCS	104.6			75.0 - 125.0
Zinc	EPA 200.7	ND		0.5		0.55	LCS	110.0			94.8 - 120.6
Chromium	EPA 200.7	ND	•	0.5		0.582	LCSD	116.4	1.38	25.00	93.2 - 120.3
Copper	EPA 200.7	ND		0.5		0.525	LCSD	105.0	0.38	25.00	75.0 - 125.0
Zinc	EPA 200.7	ND		0.5		0.55	LCSD	110.0	0.00	25.00	94.8 - 120.6













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Entech Ar 3334 Victor Court Santa Clara, CA 95	nalyti (40) 054 (40)	cal L ^{8) 588-02} 8) 588-02	_ab 200 201 - F	S, ax	In	IC.							Cu	IS	to	dy	Ţ	Α	\n	al	y	si	s I	Re	þ	ues	t
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Company Name:		Fax No.:			-			Project N	0.:						Comp									1			
Mailing Address: Pr Box 2	407	Email Addre	-					Project N SM Project L	ame: R-	ľ	AI	P1 .	νĒ	Ĺ	Billing	e S	ess: (TE	if Diff Ra	erent)			_					
UNION DI	ity	State	Zin C	99°;	87	7		Project L	ocation	1: ////	20				City:						-			State	e:	Zip:	
	Org. Code:		Turn Aro ame Day Day Day 5 ₽-6-10			Day Day					260 601/66	Server 600		Color Ca	Come Come	antes cable		0.000	2 01 80 JO	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Sea O Moi	05	ST. D. B.C.		(Teolor)	(1100 Beg
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LOS ESTEROS PROJECT P.O. BOX 640130 SAN JOSE, CA 95164-0130 408.957.4700 408.956.9141 (FAX)

December 11, 2002

Mr. Lance Shaw Compliance Project Manager Los Esteros Critical Energy Facility (01-AFC-12) California Energy Commission 1516 Ninth Street, (MS-15) Sacramento, CA 95814

RE: Los Esteros Critical Energy Facility (LECEF) Conditions of Certification Soil & Water 7 & 9 Title 22 Engineer's Report

Dear Mr. Shaw,

In accordance with the California Energy Commission's Conditions of Certification Soil & Water 7 and 9, Calpine is herewith transmitting, for your review and approval, the following materials:

- 1. Copy of Title 22 Engineer's Report, as approved by the State of California Department of Health Services, Drinking Water Field Operations Branch.
- 2. Copy of letter from DOHS indicating their approval.

If additional information is required, feel free to contact me at (408) 957-4712.

Yours sincerely,

osiska

Charles/J/Vosicka, P.E. Project Engineer, Civil/Structural Los Esteros Critical Energy Facility

cc: Mr. John Larsen, LECEF Compliance Manager Mr. Dana Petrin, Calpine Operations Mr. Mark Casterson, South Bay Water Recycling

Los Esteros Critical Energy Facility

Title 22 Engineer's Report – Dual Plumbed Recycled Water System

Site Name:	Los Esteros Critical Energy Facility
Site Address:	1515 Alviso-Milpitas Road, San Jose
	Near northeast intersection of SR 237 and Zanker Road
Site Owner:	Calpine Corporation
Site Contact:	Dana Petrin (408-847-5328), Charles Hoock (408-456-2690)
Site Staffing:	5 personnel onsite

BACKGROUND

The Los Esteros Critical Energy Facility (LECEF) will be a nominal 180-megawatt (MW), simple-cycle power plant operated by Calpine. The facility will include four combustion turbine generators (CTGs) equipped with water injection to control nitrous oxides (NOx), spray intercooling injection (SPRINT) for power augmentation, additional emissions control. equipment, and associated support equipment. LECEF will be considered a "peaker" plant and, thus, will not operate full-time.

LECEF will use recycled water in most of its daily operations. This water will be supplied by the San Jose/Santa Clara Water Pollution Control Plant (WPCP) through the South Bay Water Recycling (SBWR) program. As shown in the attached figures, an existing 60-inch recycled water line runs from the recycled water system's transmission pump station south, parallel to Zanker Road. Calpine will connect to this line with an 18-inch recycled water line, approximately 1,000 feet in length, following the LECEF access road. The facility is initially anticipated to consume approximately 268,490 gallons of recycled water per day under average conditions and up to 335,075 gallons per day maximum.

This engineer's report documents the ways in which recycled water will be used at the site, the strategies for the safe use of recycled water, and the protection of potable water in the

dual plumbed system. The attached figures include the plans for the facility and should show all water system piping at the site.

USES OF RECYCLED WATER

Recycled water will be utilized as cooling water, process water, irrigation water, and fire suppression water at the LECEF site. The following equipment will operate using recycled water:

Equipment Type	Equipment ID Number	Manufacturer	Model Number
Cooling Tower	010-CWS-CT-001	Marley	F499-6.0-02/03
Combustion Turbines (CTG01-04)	011-CTG-GT-001	General Electric	LM6000-PC-NDWG09
Auxiliary Cooling Water Pumps	010-CWS-PP-003	Goulds	VIT26GHXC/26GHC
Equipment Cooling Water Heat Exchanger	010-ACW-HX-001	Alfa Laval	M30-FD
Chiller Condenser Water Heat Exchanger	010-CCW-HX-005	Alfa Laval	M30-FM
Raw Water Storage Tank	010-RWS-TK-001	Columbia TecTank [.]	54'-11 ½" diameter x 32'- 3 15/16" height
Motor Driven Fire Water Pump	010-FWS-PP-001	Fairbanks Morse	8″ 1824BF
Engine Driven Fire Water Pump	010-FWS-PP-002	Fairbanks Morse	8″ 1824BF
Fire Water Jockey Pump	010-FWS-PP-003	Fairbanks Morse	F393-60
Dry Barrel Hydrant		Mueller Centurion	250
Hydrant Monitor		Elkhart Brass	299-11 Python
RO Unit and Demineralizer		Ionics	
Demineralized Water			
Tank			
Sprint Water Pumps			
NOx Water Injection			
Pumps			
CTG Inlet Chiller Water			
Irrigation Equipment	210043-10	Milani	

The primary equipment that will use recycled water at the LECEF site will be the cooling tower and the combustion turbine generators. The cooling tower, a one-cell Marley model, will use recycled water as cooling water. The circulating cooling water system will be treated with a 93-percent sulfuric acid solution, a 12-percent sodium hypochlorite solution, a microbial growth inhibitor, and a dispersant. The cooling tower will include a drift eliminator to prevent tower mist or sprays from coming into contact with people.

Recycled water will pass through a water treatment system including ultra filtration, reverse osmosis unit, and a mixed bed demineralizer. This treated water will then be pump to a demineralized water tank.

The demineraliezed water will be pump to SPRINT water pump and NOx water injection pumps for power augmentation and NOx suppression.

The remaining uses of recycled water on the site will be for irrigation and fire suppression purposes. Recycled water will be used to irrigate landscaping along the west, east, and south sides of the property. Recycled water for fire suppression will be supplied by the raw water storage tank where recycled process water is stored. The tank will store a recycled water supply in excess of that necessary for daily production needs, so that in the event of a fire, there will be sufficient supply. Fire hydrants will be located throughout the facility. These equipment items, and all other equipment required for the use of recycled water, will be reviewed and approved by SBWR and the State of California Department of Health Services prior to connection.

The facility and all equipment will comply with SBWR's Rules and Regulations For Design and Operation of On-Site Recycled Water Facilities.

RECYCLED WATER LABELS AND SIGNS

Extreme care will be taken to place written warnings in each location that recycled water is used. Signs will be posted in all areas where recycled water is used or where equipment associated with recycled water is found, reading "RECYCLED WATER – DO NOT DRINK" or equal wording. All piping carrying recycled water will be labeled as such. Purple labels and warning tags reading "RECYCLED WATER – DO NOT DRINK" will be placed on all valve boxes, quick couplers, recycled water storage tanks, air/vacuum relief valves, pressure reducing valves, pumps, backflow prevention devices, system controller boxes, and other appurtenances on the recycled water systems.

The process water system and fire suppression system piping on the site will be high density polyethylene (HDPE) pipe. The pipe will be black with continuous purple labeling tape affixed to it at five-foot intervals.

All irrigation piping will be purple PVC, with the continuous wording "RECYCLED WATER - DO NOT DRINK" printed on both sides of the pipe.

The fire hydrants located throughout the facility will each have a purple top and will be appropriately labeled as discharging recycled water.

FACILITY STAFFING AND TRAINING

There will be no public access to the LECEF facility. The entire site will be fenced and locked, and only authorized personnel will have access to the facility. It is expected that the facility will be staffed by one operator, with no more than five personnel at the site at any given time during typical operations. All efforts will be made to ensure that human contact with recycled water be minimized. All operations personnel will receive training through

the WPCP in the use of recycled water. This training should involve learning the procedures, requirements, and restrictions involved in the use of recycled water; understanding the distinctions between recycled and potable water; recognizing that cross connections between recycled and potable water systems are not permissible; detailing the health and safety aspects cited in Title 17 and Title 22 of the California Code of Regulations; and other information that will allow personnel to become familiar with the safe use of recycled water.

A Site Supervisor will be named before construction is complete and the use of recycled water commences. The Site Supervisor will be a designated representative of Calpine, approved by SBWR, who will assume responsibility for the recycled water plumbing system. This responsibility will include installation, operation, maintenance, and prevention of potential hazards on the recycled and potable water systems, ensuring that no cross connections are made.

POTABLE WATER USE

There are no potable water lines in the vicinity of the LECEF site at this time. The City of San Jose's municipal water supply does not currently extend to the site, and all groundwater wells within the area have been destroyed, as shown in the attached table and well location drawing. Thus, for the foreseeable future, potable water will be delivered by truck to the site and kept in a potable storage tank. Potable water from the tank will be used to feed the facilities in the control office and service area. Potable water will also be piped from the storage tank to hose bibs and eyewash/safety shower locations throughout the facility. Drinking water will consist only of bottled water, and the only designated eating area will be in the control office and service area away from recycled water lines. Because the LECEF potable water system is not connected to the City of San Jose water system, the potential for contamination of the public drinking water system will be eliminated.

DUAL PLUMBING

Section 60301.250 of Title 22 in the California Code of Regulations defines a "dual plumbed system" as a "system that utilizes separate piping systems for recycled water and potable water within a facility and where recycled water is used for either of the following purposes: (a) To serve plumbing outlets (excluding fire suppression systems) within a building or (b) Outdoor landscape irrigation at individual residences." Although there will be no recycled water lines inside the control office and service area buildings, the LECEF site may be considered dual plumbed, because potable water will feed various locations throughout the facility where recycled water is utilized.

In cases of dual plumbing, the potential for cross connections and backflow are primary concerns. Because LECEF is a new facility with no pre-existing water lines, the opportunities for cross connections are very limited. Potable water use in the plant area itself is minimal, and there will be a physical separation between all potable and recycled water lines. This physical separation, as defined by *Rules and Regulations*, will be a horizontal separation of ten feet (in specific cases, there may be a separation between four

and ten feet, but only if special conditions are met) and a vertical separation at crossings of one foot or more. Recycled water lines will be constructed below potable water lines in all cases, but if recycled water lines must be placed above potable water lines for any reason, a full standard pipe length will be centered over the crossing or the recycled water line will be installed in a pipe sleeve extending ten feet on either side of the crossing. There are also no plans for potable water to ever be used as process water. If the recycled water supply is shut down for any reason, the plant will be taken out of operation , if necessary, but potable water will not be used in the place of recycled water.

All dual plumbed facilities are subject to a cross connection test, per SBWR *Rules and Regulations*, to ensure the absolute separation of the recycled and potable water systems. A cross connection test would be completed under the supervision of SBWR by an AWWA-certified cross connection control specialist.

INSPECTION AND APPROVAL

During construction, the recycled water system will be visually inspected by SBWR to ensure that all recycled water piping is properly identified and that the recycled water system is sufficiently isolated from any other piping systems. The LECEF recycled water system will not begin operation until approval is received from SBWR and the Department of Health Services. No modifications of the recycled or potable water systems will be made without the consent of SBWR and the Department of Health Services.

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APPENDICES

Appendix 1– General supporting information.

Appendix 2 – Plant system specific information.

GENERAL SITE INFORMATION for RECYCLED WATER USE

1. LANDSCAPED RECYCLED WATER IRRIGATION USE AREA: ~70,000 ft²

2. PUBLIC ACCESS TO SITE GROUNDS IS: Restricted

3. OWNER: Calpine Corporation

4. PROPERTY MANAGER CONTACT: Dana Petrin (408-847-5328), Charles Hoock (408-456-2690)

5. TENANT(S): Not Applicable

6. ON-SITE WELL LOCATIONS: None

7. WELLS ON ADJACENT SITES LOCATED WITHIN 50 FT. OF RECYCLED WATER APPROVED USE AREA OR WITHIN 100 FT. OF ANY RECYCLED WATER IMPOUNDMENT: None

8. OUTDOOR DRINKING FOUNTAINS IN/NEAR THE RECYCLED WATER APPROVED USE AREA: None

9. OUTDOOR EATING AREA(S) IN/NEAR THE RECYCLED WATER APPROVED USE AREA: None

10. WATER FEATURES ON SITE: None

State Well Number	SCVWD Well Destruction Permit Number	Date of Permit	Well Completion Report Number
06S/01W-12M001	01000668	11/19/2001	760338
06S/01W-12M002	01000669	11/20/2001	760339
06S/01W-12M004	01000671	11/20/2001	760341
Unregistered	01000672	11/20/2001	760342
Unregistered	01000673	11/20/2001	760343

Destroyed Wells in Vicinity of LECEF Site

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SOUT	Customer Number: Site Name:	SJ 000 4271 New Retrofit
R	V Site Address:	LOS ESTEROS RD
WATER RECYCL	NG ·····	SAN JOSE CA 95134
Business Type:	POWER PLANT	
Startup Date:	12/16/02	
	Owner Information:	Site Information:
Name:	LOS ESTEROS CRITICAL ENE FACILITY (CALPINE POWER)	RGY LOS ESTEROS CRITICAL ENERGY FACIL (CALPINE POWER)
Address:		LOS ESTEROS RD
		SAN JOSE CA 95134
	Owner Contact Information	Site Contact Information:
Name:	Chuck Vosicka	Chuck Vosicka
Title:	Senior Project Engineer	Senior Project Engineer
Phone Number:	(408) 957-4712	(408) 957-4712
Fax Number:		Landscape Contractor:
Email:		
	Related Information:	
APN Number(s):		
Acreage:		
Land Use:	POWER GEMERATION	
Retailer:	SJMUNI	
Well:	NONE	
Flow (AF/yr)	300	
Meter No.	ر (۱۹۹۱ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹ ۱۹۹۹ - ۱۹۹۹	
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LOS ESTEROS CRITICAL ENERGY FACILITY STORM DRAINAGE OUTFALL

SAN JOSE, CALIFORNIA

CONSTRUCTION NOTES

- ALL WORK TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS), DATED JULY 1999, EXCEPT FOR ROCK SIZE AND CAPACITY, AND AS MODIFIED HEREON. CONVERT ALL MEASUREMENTS TO ENGLISH UNITS.
- 2. IT IS MANDATORY THAT THE SCWID (DISTRICT) INSPECTOR BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. COMPLETE REMOVAL OF PORTIONS OF THE WORK INSTALLED WITHOUT INSPECTION MAY BE REQUIRED IF THIS REQUIREMENT IS NOT, MET.
- 3. ALL WORK TO FURNISH AND PLACE ROCK SLOPE PROTECTION INCLUDING CONCRETE GROUTING SHALL BE IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATIONS SECTION 72. NO WHITE ROCK MAY BE USED. METHOD B PLACEMENT SHALL BE USED.
- 4. ALL BACKFILL WITHIN DISTRICT RIGHT OF WAY SHALL BE WITH SUITABLE MATERIAL FROM EXCAVATION AND SHALL BE COMPACTED TO 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH CALIFORNIA TEST METHOD #216.
- 5. CARRY ROCK RIPRAP TO MINIMUM 2 FEET ABOVE TOP OF CMP, UNLESS OTHERWISE SPECIFIED.
- 6. CONTRACTOR SHALL VERIFY WORK IN FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF CONSTRUCTION.
- 7. THE ENGINEER WILL NOT DIRECTLY CONTROL THE PHYSICAL ACTIVITIES OF THE CONTRACTOR OR ANY SUBCONTACTORS. CONTRACTORS WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 8. ANY EXCESS SOIL FROM EXCAVATION SHALL BE DEPOSITED OFF OF DISTRICT RIGHT OF WALL UNLESS APPROVED BY THE DISTRICT'S INSPECTOR.
- 9. AGGREGATE BASE SHALL BE CLASS 2 AND SHALL COMPLY WITH THE PROVISIONS OF SECTION 26 OF CALTRANS STANDARD SPECIFICATIONS.
- 10. PORTLAND CEMENT CONCRETE (PCC) PAVEMENT SHALL COMPLY WITH THE PROVISIONS OF SECTION 40 OF CALTRANS STANDARD SPECIFICATIONS.
- 11. DUCTILE IRON PIPE (DIP) SHALL CONFORM TO THE REQUIREMENTS OF AWWA STANDARDS C151. THE THICKNESS CLASS SHALL BE FOR A RATED WORKING PRESSURE OF 150 PSI AND A DEPTH OF COVER OF 10 FEET. JOINTS SHALL BE FLANGED JOINTS CONFORMING TO AWWA STANDARDS C151.
- 12. GEOTEXTILE FABRIC SHALL BE MIRAFI 700X OR EQUAL PER CALTRANS SPECIFICATIONS SECTION 88.
- 13. CONCRETE COLLAR SHALL BE CONSTRUCTED WHERE THE TRANSITION BETWEEN DIP AND CMP IS IN A STRAIGHT LINE.
- 14. THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF "CAL OSHA" CALIFORNIA LABOR CODE SECTION 6300.
- 15. INSTALL ESA PRIOR TO STARTING WORK, FENCE AT WORK LIMIT LINE AND AROUND ALL TREES TO BE SAVED. REMOVE FENCE AFTER ALL WORK IS ACCEPTED BY SCVWD.
- 16. HDPE PIPE AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF AWWA STANDARDS C906 AND SHALL BE PHILLIPS 66 DRISCOPIPE SERIES 1000 OR EQUAL

GENERAL NOTES

- 1. SURVEY HORIZONTAL CONTROL IS BASED ON NAD 83 AND VERTICAL CONTROL IS BASED ON NAVD 88 ALL STATIONING AND DISTANCES INDICATED ON THE DRAWINGS ARE BASED ON HORIZONTAL MEASUREMENTS.
- 2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITION OR BETTER AFTER COMPLETION OF PROJECT.

SURVEY NOTES

BENCH MARK:

ELEVATIONS SHOWN HEREON ARE BASED UPON BENCHMARK 234 PER "CONTROL VALUES FOR THE CITY OF SAN JOSE RECLAIMED WATER PROJECT", NAVDB8, JANUARY 19, 1996: SURVEY SPIKE AND TOWILL TAG STAMPED "234". SET IN THE CENTERLINE OF OLD ALVISO-MILPITAS ROAD, NOW AN ACCESS ROAD TO THE FIELDS, ON THE NORTH SIDE OF HIGHWAY 237, 200 FT.± NORTH OF HIGHWAY 237, 900 FT.± EAST OF ZANKER ROAD TO REACH, ENTER OFF ZANKER ROAD, IN THE CITY OF SAN JOSE ELEVATION 15.494 FEET.

BASIS OF BEARING:

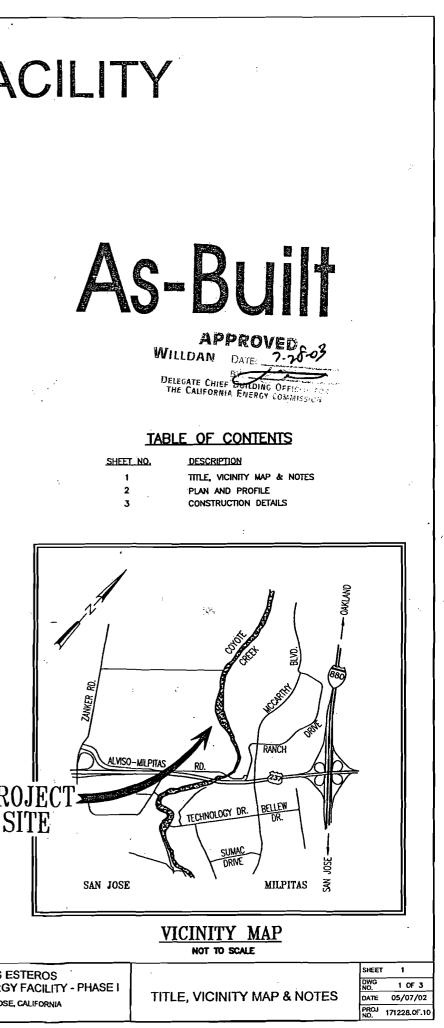
BEARINGS SHOWN HEREON ARE BASED UPON FOUND MONUMENTS ON THE NORTHERN LINE OF "LANDS OF THE CITY OF SAN JOSE" SHOWN ON SHEET 3 OF 3 OF THE RECORD OF SURVEY BY CROSS LAND SURVEYING INC. DATED MAY 1994 (658 PM 6) AS N74'54'17"E. CALIFORNIA COORDINATE SYSTEM. ZONE III. NAD 83, DISTANCES SHOWN HEREON ARE GOUND DISTANCES; MULTIPLY DISTANCES SHOWN BY D 999945823 TO OBTAIN GRID DISTANCES.

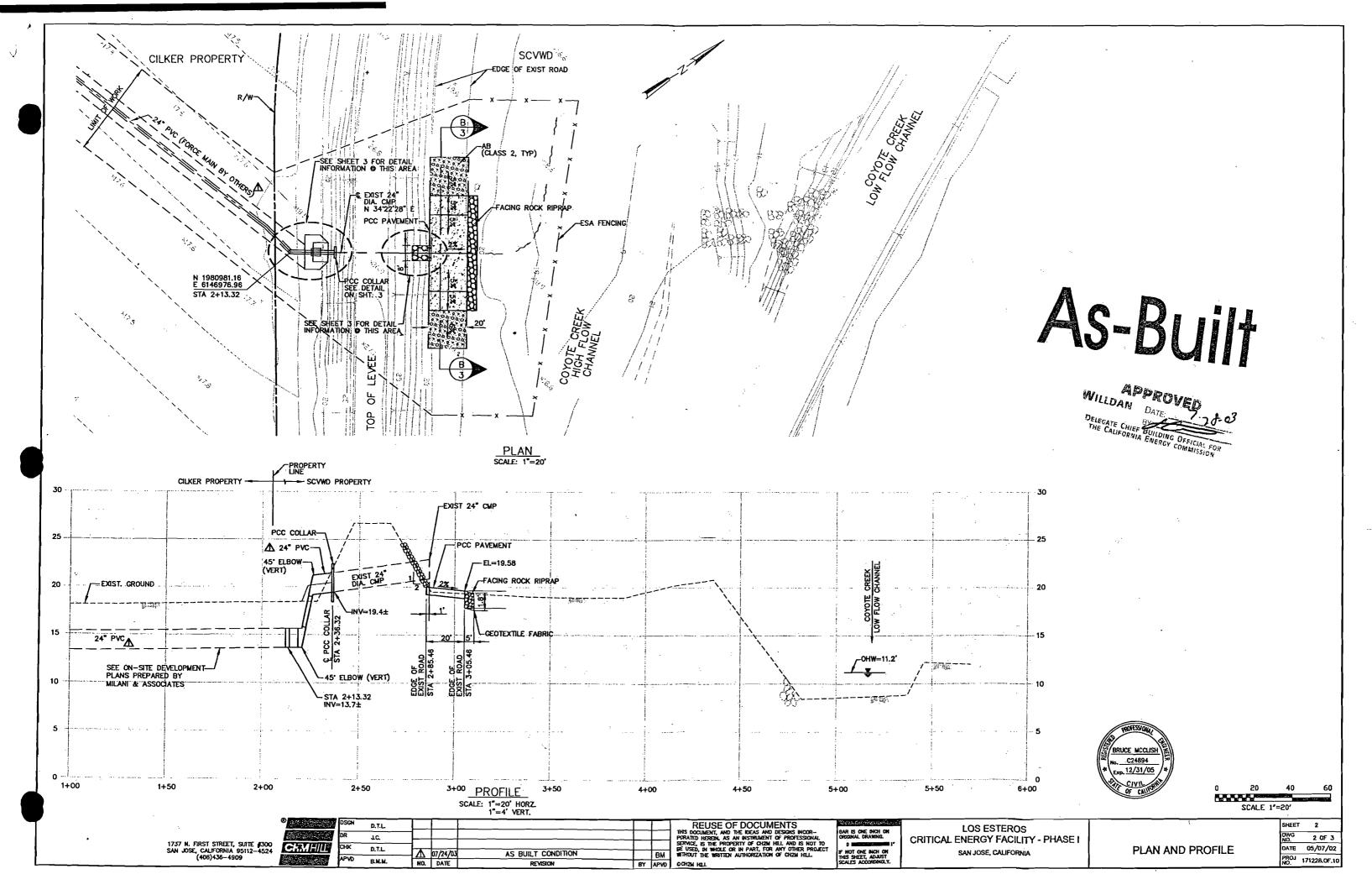
ABB	REVIATIONS —	- L	EGEND		
DIP PCC RCP CMP EXIST OHW INV SD TYP	DUCTILE IRON PIPE PORTLAND CEMENT CONCRETE REINFORCED CONCRETE PIPE CORRUGATED METAL PIPE CENTER LINE POINT EXISTING ORDINARY HIGH WATER ELEVATION INVERT ELEVATION STORM DRAIN TYPICAL	<u>TO BE CONST.</u>	<u>Exist.</u>	DESCRIPTION PROPERTY LINE CENTER LINE CONTOUR GROUND SURFACE LIMIT OF WORK STORM DRAIN	
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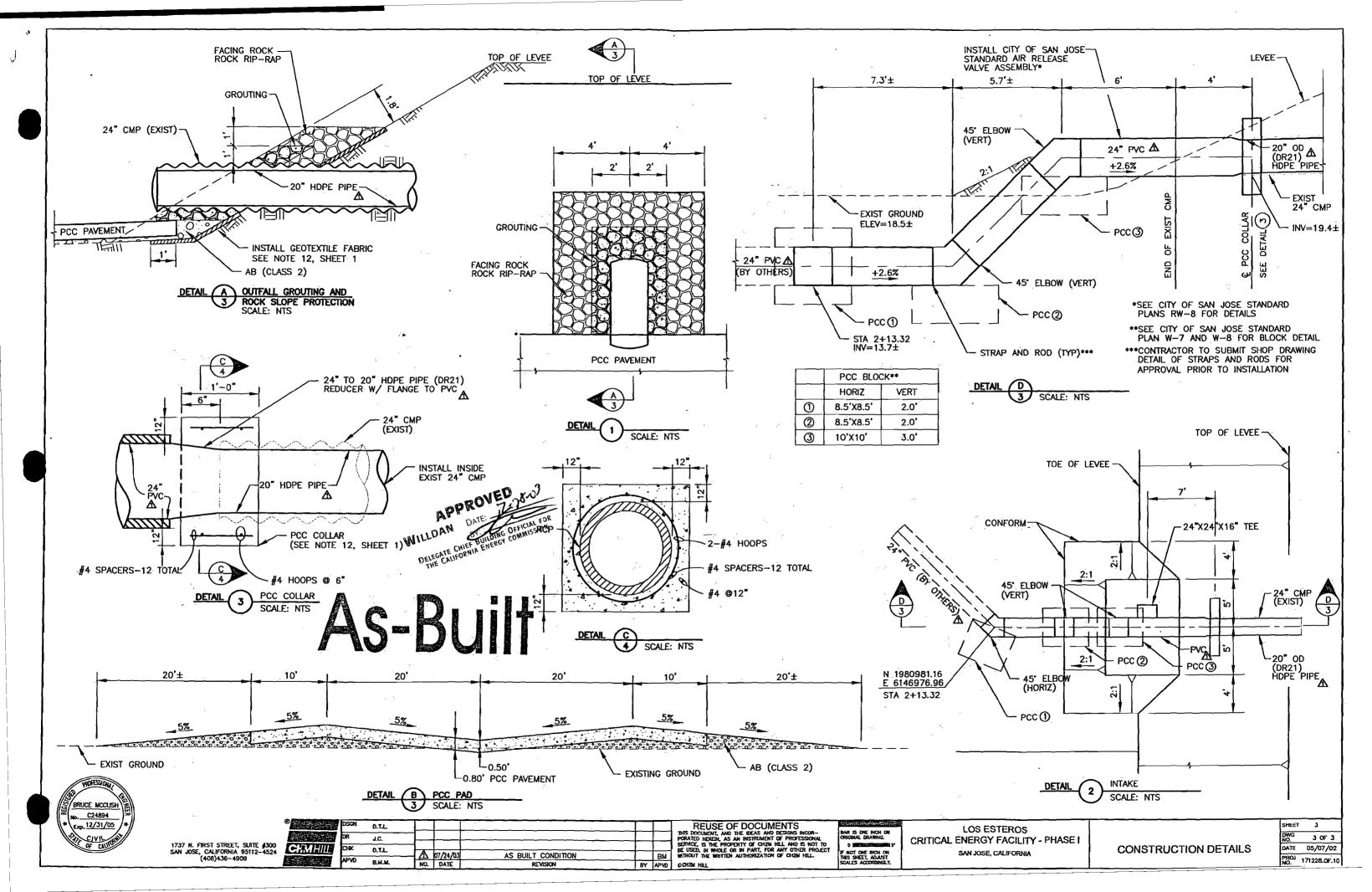


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 SAN JOSE, CALIFORNIA 95112-4524 (408)436-4909	APVD	D.T.L. B.M.M.	07/24/03 DATE	AS BUILT CONDITION REVISION	BM	BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. OCH2M HILL	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	SAN JOSE, CALIF







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unpour m	1 B13337 1 (541 FOR DIS Mp 3/12/04 ASSOCIATE	HARGES OF STORM	N ACTIVITY		
Su	Herizaian of this Nation of Termination	oristitutes notice that th	e owner (and his	s/her agent) of the s	ite
ide	entified on this form is no longer author tivity by NPDES General Permit No. C	ted to discharge storm v	vater associated	With construction	
				1 Car	
١.	<u>WDID NO. 243C317374</u>			C.F.O.S.	
11.	OWNER				A Sound WATER
	DNPANY NAME CALPINE		RSON Dana Petrin		WATCO
<u>§</u>]	REET ADDRESS 4160 Dublin Blvd		Comoliance Marias	Pulliz-	- in strange
<u>cr</u>	TY DUDIN STATE	ZIP 94568	<u>PHONE (408) 592</u>	2-7915	
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IAI	. CONSTRUCTION SITE INFORMAT				
A	DEVELOPER NAME University Marelich Meche		ON Chad Johnston		
	REET ADDRESS 24041 Amador St	MTIE P	olect Manager		
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	TY HavwardC	<u>ZIP 94544</u> PH	IONE (510) 785-550	20	
<u>B.</u>	SITE ADDRESS 1515 Alviso Milpitas Rd	COUNTY Sar			_
<u>CI</u>	TÝ San José G	ZIP 95134 F	<u>2HQNE (408) 458-2</u>	2690	
IV	BASIS OF TERMINATION				
	X 1. The construction project is o	the following	conditions have	e been met.	,
	- All elements of the Storm V	ater Pollution Prevention	n Plan have bee	n completed.	
	- All elements of the Storm V - Construction materials and - The site is in compliance w	waste have been dispos mali local stormwater n	ad of property. nanagement req	quirements.	¢
	- A post-construction storm	ater operation and man	agement plan is	in place.	
	Date of project completion				
	2. Construction activities have and the following conditions	sen suspended, either t	emporarily	_ or indefinitely	_
	- All elements of the Storm				• •
	- Construction materials and	waste have been dispos	ed of properly.		
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3. Site can not discharge storm	ater to waters of the Ur	nited States (cheo	:k one).	
All storm water is retain				
All storm water is discl	arged to evaporation or	percolation pond	s offsite.	
4. Discharge of storm water from individual NPDES per		to:another NPDE	S general permit o	or an
NPDES Permit No 5There is a new owner of the i				
Was the new owner notified o		· ". "		
NEW OWNER INFORMATIO				
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NOT applicable Mpgluslon 32.9

VI. CERTIFICATION:

I certify under penalty of law that all storm water discharges associated with construction activity from the identified site that are authorized by NPDES General Permi No. CAS000002 have been eliminated or that I am no longer the owner of the site. I understand that by submitting this Notice of Termination, I am no longer authorized to discharge storm water associated with construction activity under the general permit, and that discharging pollutants in storm water associated with construction activity to waters of the United States is unlawful under the Clean Water of where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this Notice of Termination does not release an owner from liability for any violations of the general permit or the stean Water Act.

PRINTED NAME Bob McCaffrey	TITLE General Manager
Andre	
SIGNATURE:	DATE D/9/07
REGIONAL WATER BOARD ISE OKIN	

This Notice of Termination has been reviewed, and I recommend termination of coverage under the subject NPDES general permit.

Printed Name	Region No.
Signature	Date/
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