DOCKETED	
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Project Title:	Palomar Energy Project Compliance
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Document Title:	Palomar Energy Center 2024 Annual Report
Description:	Palomar Energy Center 2024 Annual Report
Filer:	Jason Dobbs
Organization:	San Diego Gas and Electric
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February 21, 2025

Anwar Ali
Compliance Project Manager
California Energy Commission
715 P Street, MS 15
Sacramento, CA 95814-5512

Re: Palomar Energy Center (01-AFC-24) Annual Compliance Report

Anwar Ali:

Pursuant to the requirements of Certification Condition, COM-7, attached for your review is the Annual Compliance Report for the Palomar Energy Center (PEC). The reporting requirements of COM-7 include:

1. An updated compliance matrix,
2. A summary of the project operating status and an explanation of any significant changes to facility operations during the year,
3. Documents required for specific conditions including:
    - BIO-3
    - BIO-5
    - HAZ-1
    - PH-1
    - SOIL & WATER -5
    - SOIL & WATER -6
    - WASTE-5
    - VIS-3
    - VIS-6
4. A cumulative listing of all post –certification changes approved by the Energy Commission,
5. An explanation for any submittal deadlines that were missed,
6. A listing of filings made to, or permits issued by, other governmental agencies during the year,
7. A projection of project compliance activities schedule during the year,
8. A listing of the year's additions to the on-site compliance file,
9. An evaluation of the on-site contingency plan for unplanned facility closure, and
10. A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved complaints, and the status of any unresolved complaints.

If you have any questions regarding this information, please feel free to contact me at **T** (760) 432-2547, **M** (619) 322-0424, **E** jdobbs@sdge.com.

Thank you,

Jason T. Dobbs

Jason T. Dobbs

I. Updated Compliance Matrix

Please see Attachment 1 for the updated compliance matrix.

II. Operating Status and Significant Changes

The Palomar Energy Center (PEC) ran throughout 2024 as directed by CAISO. Typical operating status was 2 on 1 with plant cycling as directed. There were no significant operating status changes to the facility during the year. See item IV for information on post certification changes that were made during the year, if any.

III. Specific Conditions Requiring Submittal(s)

A. BIO-3:

BIO-3 provides a description of duties to be performed by a designated biologist during any site mobilization, ground disturbance, grading, and construction activities. During the project operation, the Designated Biologist shall submit record summaries in the annual compliance report.

Condition of Certification BIO-3 has been interpreted to require the Designated Biologist to undertake the activities listed in that condition for areas requiring avoidance or containing sensitive biological resources. Activities conducted on previously disturbed, paved, or covered surfaces within the active operational footprint of the Palomar Energy Plant do not contain and is not adjacent to any areas requiring avoidance of any sensitive biological resources.

Since change of ownership on March 30, 2006 PEC has not required a designated biologist.

B. BIO-5

BIO-5 requires that the Worker Environmental Awareness Program (WEAP) must be provided to site employees during any site mobilization, ground disturbance, grading, operation and closure activities. This plan informs employees about sensitive biological resources associate with the project. Specific sensitive species include the Coastal California Gnatcatcher and the Western Spadefoot Toad.

Condition of Certification BIO-5 has been interpreted to require Work Environmental Awareness Program (WEAP) training for activities that affect sensitive biological resources. Activities conducted on previously disturbed, paved, or covered surfaces within the active operational footprint of the Palomar Energy Plant do not contain and are not adjacent to any areas requiring avoidance of any sensitive biological resources.

WEAP training was not conducted in 2024; training records indicate that 880 persons have taken WEAP training referenced in the Condition of Certification.

C. HAZ-1

Please see Attachment 2 for the list of hazardous chemicals contained at the facility in reportable quantities.

D. PH-1

PH-1 requires Palomar Energy Center to implement a Biocide Use, Biofilm Prevention and Legionella Monitoring Program.

Palomar Energy Center has implemented the Biocide Use, Biofilm Prevention and Legionella Monitoring Program fully.

E. S&W-5

In April 2006, PEC received permission to modify condition S&W-5. If recycled water is unavailable due to maintenance or events beyond the control of the City of Escondido, the PEC may use raw water supplied from the emergency backup water supply system operated by the City. This condition also requires PEC to pay a fee (donate) to a water conservation program in the amount of $522 per acre foot (AF), escalated annually in the same manner as the annual compliance fee.

In 2024 a total of 55.34 AF of backup water was used. The corresponding fee per AF is $635.38 resulting in donations totaling $35,159.55. Please see Attachment 3 for additional details on the water conservation donation(s) made.

F. S&W-6

S&W-6 requires PEC to provide an annual summary of the daily water use by the PEC, differentiating between potable and recycled water. The annual summary report shall be based on, and shall distinguish, recorded daily use of potable and recycled water, and document the quantities of tertiary-treated disinfected wastewater in gpd delivered to the PEC and potable water supplied over the previous year. The report shall include calculated monthly average and annual use by the project in both gallons per day and acre-feet per year.

Palomar Energy Center has continued to use tertiary-treated disinfected wastewater for its processes and potable water for any purpose other than domestic and sanitary use except as allowed by Condition S&W-5. Please see Attachment 4 for water use details.

G. WASTE-5

Waste-5 requires PEC to submit an Operation Waste Management Plan (OWMP) that includes descriptions of waste streams and methods of management. The OWMP is reviewed to verify actual waste management methods used during the year are consistent with planned management methods.

PEC has reviewed the OWMP (and the SDG&E Environmental Standards Binder) and found that all hazardous waste is being managed in compliance with all Federal. State, and Local hazardous waste rules and regulations. All employees who manage or handle hazardous waste are trained on applicable procedures, rules and regulations, and company policies. If waste is generated by any operation, trained and qualified company employees determine if the waste is a hazardous waste. Employees responsible for hazardous waste management follow written standards in SDG&E *Environmental Standards* Binder. The binder includes several standards that guide the management of hazardous waste all SDG&E utility wastes. Both the binder and OWMP are used to manage waste from the facility. Each hazardous waste stream is evaluated to determine if it is recyclable. Recyclable waste may be sent to hazardous waste recycling facilities whenever practicable.

H. VIS-3

VIS-3 requires PEC to treat the surfaces of all project structure and buildings visible to the public and implement the treatment plan submitted after change of ownership. The project owner shall provide a status report regarding treatment maintenance in the annual compliance report.

PEC has created a work order to check the facility on an annual basis to ensure compliance with the treatment plan submitted to CEC. A contract is in place through our internal Facilities Department to expedite all repairs if/when they are identified. Only minor maintenance (touch up) was performed during the compliance period.

I. VIS-6

VIS-6 requires PEC to design and install all permanent lighting. The project owner shall report any complaints about permanent lighting and provide documentation of resolution in the annual compliance report.

Since change of ownership on March 30, 2006, PEC has not received any complaints related to or referencing permanent lighting at the PEC.

IV. Approved Post Certification Changes (Cumulative)

A. 2006

PROJECT: Raw water use (S&W-5).
STATUS: Completed.

B. 2009

PROJECT: Installation of a temporary transformer pad
STATUS: Completed on 9/15/2009.

PROJECT: Construction of a new special equipment storage building.
STATUS: Completed on 12/7/2009.

PROJECT: Control room remodel.
STATUS: Completed on 12/16/2009.

PROJECT: Inlet air chiller upgrade (AQ-SC12, TSE-10).
STATUS: The air chiller portion of the project was installed in 2008. The Thermal Storage Tank portion of the project was completed in December of 2009.

C. 2010

PROJECT: Water treatment chemical storage tanks and associated equipment.
STATUS: Completed in 2010.

PROJECT: Installation of a second Load Commutator Inverter and associated switchgear.
STATUS: Completed in 2011.

PROJECT: 1400 kilowatt emergency generator (AQ-SC13, AQ-56 through 66).
STATUS: Completed in 2011

PROJECT: Fabrication Shop and Water Lab building addition.
STATUS: The fabrication building was completed during 2011 and the laboratory construction was finished in 2012.

D. 2011

PROJECT: Electrical parts storage warehouse.
STATUS: In progress.

PROJECT: Expand existing switchgear (North 5kV)

STATUS: Completed.

E. 2012

PROJECT: Modification of an existing enclosure used to house the cooling tower switching equipment
STATUS: Completed December 2016.

PROJECT: Gantry crane for steam turbine maintenance.
STATUS: Completed in 2013.

PROJECT: Installation of an elevator on unit one heat recovery steam generator.
STATUS: Completed in 2013.

PROJECT: Installation of a bridge crane for the combustion turbines maintenance.
STATUS: Completed in 2013.

F. 2013

PROJECT: Administration building expansion
STATUS: Construction has not begun.

PROJECT: Emergency engine operation (AQ-SC13)
STATUS: Completed.

G. 2017

PROJECT: Advanced Gas Path (AGP) & AQ Alignment
STATUS: Approved (12/2017). Completed 2021

PROJECT: Storm Water Reclamation
STATUS: Approved (12/2017). Project has not begun.

H. 2021

PROJECT: Nitrogen Project
STATUS: Approved (10/2021). Completed 2022.

I. 2022

PROJECT: Hydrogen Project
STATUS: Approved (04/2022). Project in progress.

PROJECT: Air Compressor Project
STATUS: Approved (10/2022). Completed 2022.

J. 2023

PROJECT: EV Charger Upgrade Project
STATUS: Approved (12/2023). Completed 2024.

PROJECT: Fire Pump Project (PIV & Pipe upgrade)
STATUS: Approved (12/2023). Project in process.

K. 2024

PROJECT: HRSG Distribution Grid
STATUS: Approved (11/2024). Project in process.

V. Submittal deadlines that were missed

A review of internal records indicates no submittal deadlines were missed in 2024 without prior authorization.

VI. List of Filings and Permits Issued

A. San Diego Air Pollution Control District

- Authority to Construct for AGP and Hydrogen Project
- Quarterly Emissions Reports
- Breakdown & Post Breakdown Reports
- Annual RATA & Source Tests
- Annual Toxic Inventory Report
- Greenhouse Gas Reports

B. City of Escondido

- Annual IUD Report – Submitted annually in July
- Semi-Annual IUD Report – Submitted in January and July
- Monthly Reports – Submitted on the 15th of the following month

C. State & Regional Water Resource Control Board

- Annual SWPPP Report & Fees
- Ad-Hoc reporting of storm events
- Annual Chemical usage log
- Semi-Annual Reports
- Monthly Reports

D. Department of Energy

- Forms 860 & 923

E. Environmental Protection Agency

- Quarterly Emissions Data Reports
- Title IV
- Title V

F. Department of Environmental Health

- Health Permit
- Annual Certification of Hazardous Materials Business Plan
- CalARP (three and five year submittals)

G. Cal/OSHA

- Pressure Vessel Permits (various)
- Annual Cal/OSHA Voluntary Protection Program report.
- Cal/OSHA Voluntary Protection Program three-year re-cert 2024.

VII. Projection of Compliance Activities

- Monthly, Semi-Annual, Quarterly and Annual requirements for all permits and plans as required
- Annual air emissions testing
- Electrical parts warehouse construction

VIII. List of Filing Additions

- see section IV for CEC approved projects

IX. Contingency Plan Review

The onsite Contingency Plan for Unplanned Facility Closure was reviewed and found to be up-to-date. The current PEC Emergency Action Plan is located on the Emergency Response Team webpage and is part of this Contingency Plan. The notification procedures, facility contact information and agency contacts are still current. There is no further action required at this time.

X. Complaints NOVs and Citations

A. Complaints

The Palomar Energy Center received and logged 0 noise complaints during the operating year.

B. Notices of Violations (NOV) & Notices to Comply (NTC)

Palomar Energy Center did receive 1 NOV but didn't receive any NTCs in 2024. Both have been resolved. Palomar Energy Center is currently in compliance with all applicable permit requirements.

C. Official Warnings

Palomar Energy Center has received no Official Warnings during the operating year and has completed 11 environmental inspections/site visits by various agencies.

D. Citations

Palomar Energy Center did not receive any citations during the operating year.

Attachment 1 - Compliance Matrix

Attachment 1
Compliance
Matrix

Condition Number	CONDITION DESCRIPTION	Date Submitted	Comments	Date Approved
AQ-SC1	Air Quality Construction Manager	Deleted	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC2	Construction Mitigation Plan	Deleted	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC3	AQCMM MCR	Deleted	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC4	Visible emissions	Deleted	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC5	Emissions offset credits	Deleted	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC6	Air permit modifications	Ongoing	Any significant approved air permit mod has been submitted via Quarterly Operational Report (AQ-SC7)	Ongoing
AQ-SC7	Quarterly Operational AQ Report	Ongoing	Quarterly reports have been submitted to CPM as required each quarter. Copies of these reports are available upon request.	Ongoing
AQ-SC8	Cooling Tower recirculation water flow data	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-SC9	Cooling tower PM10 emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-SC11	Source Testing	DELETED	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC12	Greenhouse Gas Emissions	DELETED	Deleted per staff analysis of PTA SDGE 2016a	11/9/2017
AQ-SC13	Emergency engine operation	Ongoing	Submitted in the quarterly operations report	
AQ-1	Equipment condition	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-2	Natural gas requirements	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-3	Emissions credits	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-4	Source testing	Ongoing	Test results submitted to CPM as required	Ongoing
AQ-5	NOx emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-6	CO emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-7	VOC emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-8	Ammonia emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-9	NOx emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-10	NOx emissions	Ongoing	Submitted in the quarterly operations report	Ongoing

Attachment 1
Compliance
Matrix

Condition Number	CONDITION DESCRIPTION	Date Submitted	Comments	Date Approved
AQ-11	PM10 emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-12	PM10 emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-13	Visible emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-14	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-15	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-16	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-17	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-18	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-19	Emissions calculations	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-20	Mass emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-21	Hazardous Air Pollutants	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-22	Cooling tower TDS	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-23	Ammonia emissions	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-24	Ammonia flow	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-25	Ammonia system control	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-26	Ammonia concentration	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-27	Shutdown period	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-28	Startup period	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-29	Low load operation	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-30	Tuning operations	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-31	CEMS protocol	Ongoing	Available for inspection upon request	Ongoing
AQ-32	Source test results	Ongoing	Submitted as required	Ongoing
AQ-33	RATA scheduling	Ongoing	Submitted as required	Ongoing
AQ-34	Source testing	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-35	RATA test results	Ongoing	Submitted as required	Ongoing
AQ-36	CEMS records	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-37	CEMS capabilities	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-38	CEMS calculations	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-39	Emissions exceedances	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-40	CEMS maintenance	Ongoing	Submitted in the quarterly operations report	Ongoing

Attachment 1
Compliance
Matrix

Condition Number	CONDITION DESCRIPTION	Date Submitted	Comments	Date Approved
AQ-41	CEMS software	Ongoing	Submitted as required	Ongoing
AQ-42	Fuel flow recordkeeping	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-43	CEMS capabilities	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-44	CEMS records	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-45	Recordkeeping	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-46	Facility access	Ongoing	Available for inspection upon request	Ongoing
AQ-47	Source testing	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-48	Obtaining required permits	Ongoing	Required permits are obtained as required	Ongoing
AQ-49	Air Toxics (AB2588)	Ongoing	Submitted in the quarterly operations report	Ongoing
AQ-50	Definitions	Ongoing	Available for inspection upon request	Ongoing
AQ-51	New equipment	Ongoing	Applicable documentation will be submitted as required	Ongoing
AQ-52	New equipment	Ongoing	Applicable documentation will be submitted as required	Ongoing
AQ-53	New equipment	Ongoing	Applicable documentation will be submitted as required	Ongoing
AQ-54	New equipment	Ongoing	Applicable documentation will be submitted as required	Ongoing
AQ-55	New equipment	Ongoing	Applicable documentation will be submitted as required	Ongoing
AQ-EEG1	Operational prohibitions	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG2	Operational prohibitions	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG3	Operational prohibitions	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG4	Natural gas requirements	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG5	Visible emissions	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG6	Public nuisance	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG7	Hour meter	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG8	Prudent maintenance	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG9	Operating procedures	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG10	Operating log	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG11	Recordkeeping	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG12	Facility access	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG13	Obtaining required permits	Ongoing	Submitted in the Q4 operations report	Ongoing
AQ-EEG14	Air Toxics (AB2588)	Ongoing	Submitted in the Q4 operations report	Ongoing

Attachment 2 – Chemical Inventory

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	LIQUIFIED PETROLEUM GAS, COMPRESSED	**Gallons**	**125**	**7.8**	125		- Physical	PROPANE	87%		74-98-6
	CAS No	State: Liquid	Storage Container: Cylinder		Pressue: > Ambient	Waste Code	Flammable	ETHANE	7%		74-84-0
		Type: Mixture	Days on Site: 365		Temperature: Ambient		- Physical Gas Under Pressure	PROPYLENE	5%		115-07-1
								BUTANES	2%		106-97-8
								ETHYL MERCAPTAN	1%		75-08-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Admin Bldg. NE Area**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	**LEAD ACID BATTERIES**	**Gallons**	**203**	**3**	203		- Physical Corrosive To Metal - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Lead/Lead Oxide/Lead Sulfate	60%		7439-92-1
	CAS No	State: Liquid	Storage Container: Other		Pressue: Ambient	Waste Code		Antimony	3%		7440-36-0
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Arsenic	0%		7440-38-2
								Sulfuric Acid	40%	✓	7664-93-9
								Calcium	0%		7440-70-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **At staging area of plant**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	3691 Aquapure CAS No	**Gallons** State: Liquid Type: Mixture	**700** Storage Container: Aboveground Tank, Plastic/Non-metalic Drum Days on Site: 365	**330**	700 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization	Aquapure			
	Anodamine CAS No	**Gallons** State: Liquid Type: Mixture	**825** Storage Container: Aboveground Tank, Plastic/Non-metalic Drum Days on Site: 365	**330**	825 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Carcinogenicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization	Anodamine			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Cylinder Storage CEMS Sheltar**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases Combustible Liquid, Class III-B	**ACETYLENE, DISSOLVED** CAS No 74-86-2	**Cu. Feet** State Gas Type Pure	**1320** Storage Container Cylinder Days on Site: 365	**330**	660 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Respiratory Skin Sensitization				
DOT: 2.2 - Nonflammable Gases	**CEMS CALIBRATION GAS MIXTURE (CO and NO)** CAS No	**Cu. Feet** State Gas Type Mixture	**5320** Storage Container Cylinder Days on Site: 365	**140**	3990 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant	Carbon Monoxide Nitric Oxide Nitrogen	15% 1% 84%	 ✓ 	630-80-0 10102-43-9 7727-37-9
DOT: 2.2 - Nonflammable Gases	**CEMS CALIBRATION GAS MIXTURE (CO in N2)** CAS No	**Cu. Feet** State Gas Type Mixture	**280** Storage Container Cylinder Days on Site: 365	**140**	210 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Gas Under Pressure - Health Simple Asphyxiant	Nitrogen Carbon Monoxide	80% 20%	 	7727-37-9 630-08-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **East Area and NW Area**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases	**HYDROGEN (GENERATOR FOR FUEL CELL CARS, FOR COOLING, FOR BLENDING)** CAS No 1333-74-0 Map: See site Map	**Cu. Feet** State Gas Type Pure	**202759** Storage Container Aboveground Tank, Cylinder Days on Site: 365	**11264**	202759 Pressue > Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **East Area H2 Electroliser**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**Ethylene Glycol** CAS No 107-21-1 Map: See site map	**Gallons** State Liquid Type Pure	**110** Storage Container Plastic/Non-metalic Drum Days on Site: 365	**55**	110 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure - Health Carcinogenicity - Health Acute Toxicity - Health Skin Corrosion Irritation - Health Respiratory Skin Sensitization	Ethy - Glycol			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **lab**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	**CHLORINE BLEACH (BIOCIDE FOR WATER SYSTEMS)** CAS No 7681-52-9	**Gallons** State Liquid Type Mixture	**11325** Storage Container Aboveground Tank, Tank Inside Building Days on Site: 365	**6000**	8500 Pressue Ambient Temperature Ambient	Waste Code	- Physical Corrosive To Metal	Sodium Hypochlorite	13%		7681-52-9

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Main Shop**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	WASTE, GRINDING DUST	**Pounds**	**300**	**300**	50	300	- Health Hazard Not Otherwise Classified				
	CAS No	State: Solid	Storage Container: Steel Drum		Pressue: Ambient	Waste Code: 181					
		Type: Waste	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Main Shop**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 6.1 - Toxic Substances Highly Toxic	**Mercuric Iodide** CAS No 7774-29-0	**Gallons** State Liquid Type Waste	**30** Storage Container Steel Drum, Plastic/Non-metalic Drum Days on Site: 365	**30**	30 Pressue Ambient Temperature Ambient	20 Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **New Product area by Haz Mat Pad**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials	**BL180 (CLOSED COOLING WATER CORROSION INHIBITOR)** CAS No	**Gallons** State: Liquid Type: Mixture	**110** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sodium nitrite Sodium tetraborate pentahydrate	30% 2%		7632-00-0 12179-04-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **New Product Area next to Haz Mat Pad**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	CIRCULATING OIL / COMPRESSOR OIL CAS No See Description	Gallons State Liquid Type Pure	**385** Storage Container Steel Drum Days on Site: 365	**55**	165 Pressue Ambient Temperature Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity - Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **North East Area - Flue gas inlet**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	WASTE, GAS SCRUBBER	**Gallons**	**250**	**55**	15	60	- Physical Flammable				
	CAS No	State Liquid	Storage Container Steel Drum		Pressue Ambient	Waste Code 581					
		Type Waste	Days on Site: 365		Temperature Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Palomar Water Lab**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Corrosive	**Sodium Hydroxide 0.5 - 10% Lab Waste** CAS No	**Gallons** State: Liquid Type: Waste	**1** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**1**	1 Pressue: Ambient Temperature: Ambient	5 Waste Code	- Health Skin Corrosion Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Product storage area**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	CL4515 SurfClean	**Gallons**	**3000**	**330**	3000		- Health Skin Corrosion Irritation - Health Hazard Not Otherwise Classified	Alcohols (C12-16) Ethoxylated	5%		68551-12-2
Corrosive	CAS No	State: Liquid Type: Mixture	Storage Container: Tote Bin Days on Site: 365		Pressue: Ambient Temperature: Ambient	Waste Code					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Product storage Area**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**CL 4132 (Corrosion Inhibitor for Copper Alloys)** CAS No	**Gallons** State: Liquid Type: Mixture	**1500** Storage Container: Tote Bin Days on Site: 365	**330**	1500 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation	Chlorotoyltriazole sodium salt Dichlorotolyltriazile Sodium 4(or 5)-methyl-1H-benzotriazolide Sodium Hydroxide	20% 10% 5% 5%		202420-04-0 NA 64665-57-2 1310-73-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	**CL 206 (CLOSED COOLING WATER MICROBIOCIDE)** CAS No: 10222-01-2	**Gallons** State: Liquid Type: Mixture	**300** Storage Container: Tote Bin Days on Site: 365	**55**	5 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	2-2-Dibromo-3-nitrilopropionamide	20%		10222-01-2
	SODIUM BROMIDE COOLING WATER TREATMENT CAS No:	**Gallons** State: Liquid Type: Mixture	**3000** Storage Container: Aboveground Tank Days on Site: 365	**3000**	2250 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Hazard Not Otherwise Classified	SODIUM BROMIDE	40%		7647-15-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant - Colling Tower**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	SODIUM BISULPHITE (COOLING WATER TREATMENT)	**Gallons**	**1325**	**700**	1000		- Health Skin Corrosion Irritation	SODIUM BISULFITE	40%		7631-90-5
	CAS No	State: Liquid	Storage Container: Aboveground Tank, Tank Inside Building		Pressue: Ambient	Waste Code					
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant - Cooling Tower**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	FERRIC CHLORIDE (Water Purification/Coagulant Product) CAS No	**Gallons** State: Liquid Type: Mixture	**300** Storage Container: Tank Inside Building Days on Site: 365	**300**	150 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Acute Toxicity - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	FERRIC CHLORIDE	40%		7705-08-0

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant - Next to Haz Mat Pad**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	CL 2156 (BOILER WATER MICROBIOCIDE)	**Gallons**	**680**	**300**	500		- Health Skin Corrosion	5-chloro-2-methyl-4-isothiazolin-3-one	1%		26172-55-4
	CAS No	State: Liquid	Storage Container: Tank Inside Building		Pressue: Ambient	Waste Code	Irritation	Magnesium nitrate	1%		2682-20-3
		Type: Mixture	Days on Site: 365		Temperature: Ambient			Magnesium Chloride	1%		7786-30-3

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant Cooling tower**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
	CL 3857 (COOLING WATER TREATMENT ANTISCALENT) CAS No 37971-36-1	**Gallons** State Liquid Type Mixture	**2600** Storage Container Aboveground Tank Days on Site: 365	**1500**	1500 Pressue Ambient Temperature Ambient	Waste Code	- Health Skin Corrosion Irritation - Health Hazard Not Otherwise Classified	2-Phosphono-1,2,4-butane tricarboxylic acid	30%		37971-36-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SDG&E Plant N - Transformer Area**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. Daily	Largest Cont.	Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only) Component Name	% Wt	EHS	CAS No.
	TRANSFORMER OIL-PCB FREE	**Gallons**	**45469**	**14631**	45269		- Physical Flammable	Distillates (petroleum), hydrotreated middle	60%		64742-46-7
	CAS No	State: Liquid	Storage Container: Other		Pressue: Ambient	Waste Code	- Health Hazard Not Otherwise Classified	Mineral Oil, Petroleum Distillates, Hydrotreated Light Naphthenic	40%		64742-53-6
		Type: Mixture	Days on Site: 365		Temperature: Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SEE SITE MAP**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	**CAUSTIC SODA** CAS No	**Gallons** State: Liquid Type: Mixture	**825** Storage Container: Tank Inside Building Days on Site: 365	**525**	600 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal	Sodium hydroxide Sodium carbonate	97% 3%		1310-73-2 497-19-8
DOT: 2.2 - Nonflammable Gases	**CEMS CALIBRATION GAS MIXTURE (NO in N2)** CAS No	**Cu. Feet** State: Gas Type: Mixture	**1680** Storage Container: Cylinder Days on Site: 365	**140**	1260 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Aspiration Hazard	Nitrogen Nitric Oxide	98% 2%	 ✓	7727-37-9 10102-43-9
DOT: 9 - Misc. Hazardous Materials	**CHILLER REFRIGERANT R-134A** CAS No 811-97-2	**Pounds** State: Liquid Type: Pure	**26000** Storage Container: Tank Inside Building, Cylinder, Other Days on Site: 365	**55**	26000 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure				
	CT9004 (REVERSE OSMOSIS TREATMENT) CAS No	**Gallons** State: Liquid Type: Mixture	**600** Storage Container: Tote Bin Days on Site: 365	**300**	150 Pressue: Ambient Temperature: Ambient	Waste Code	- Health Skin Corrosion Irritation	1-Hydroxyethylidene-1,1-diphosphonic acid	7%		2809-21-4
	Ecosafe EHC 46 (ES EHC-46) CAS No See Description	**Gallons** State: Liquid Type: Mixture	**300** Storage Container: Steel Drum, Other Days on Site: 365	**55**	100 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable	Polyether polyol Phenothiazine	99% 1%		Proprietary 92-84-2
DOT: 2.2 - Nonflammable Gases	**NITROGEN** CAS No 7727-37-9	**Cu. Feet** State: Gas Type: Pure	**79200** Storage Container: Aboveground Tank, Cylinder Days on Site: 60	**300**	1800 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure				
DOT: 2.2 - Nonflammable Gases	**OXYGEN (FOR INSTRUMENT CALIBRATIONS)** CAS No 7782-44-7	**Cu. Feet** State: Gas Type: Pure	**747** Storage Container: Cylinder Days on Site: 365	**249**	560 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Physical Gas Under Pressure				
	Propylene Glycol CAS No 57-55-6	**Gallons** State: Liquid Type: Waste	**300** Storage Container: Plastic/Non-metalic Drum Days on Site: 365	**300**	150 Pressue: Ambient Temperature: Ambient	Waste Code 133	- Health Hazard Not Otherwise Classified	Propylene Glycol	95%		57-55-6

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SEE SITE MAP**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive, Toxic, Water Reactive, Class 1	**Sodium Hydroxide 50%** CAS No 1310-73-2	**Gallons** State: Liquid Type: Mixture	**580** Storage Container: Aboveground Tank, Plastic/Non-metalic Drum Days on Site: 365	**525**	300 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation	Sodium Hydroixide Water	50% 50%		1310-73-2
DOT: 2.2 - Nonflammable Gases	**SULFUR HEXAFLUORIDE (FOR ELECTRIC EQUIPMENT ARC PREVENTION GAS)** CAS No 2551-62-4	**Cu. Feet** State: Gas Type: Pure	**288** Storage Container: Cylinder Days on Site: 365	**288**	288 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Acute Toxicity				
DOT: 8 - Corrosives (Liquids and Solids)	**SULFURIC ACID, 93% (For Water Treatment pH Control)** CAS No	**Gallons** State: Liquid Type: Mixture	**18000** Storage Container: Aboveground Tank Days on Site: 365	**20000**	10846 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation	Sulfuric Acid	93%	✓	7664-93-9
	SURFACE-ACTIVE POLYAMINES CAS No Map: See site Map	**Gallons** State: Liquid Type: Mixture	**4590** Storage Container: Tote Bin Days on Site: 365	**2295**	4590 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation	No haz pictogram required. see sds			
	SYNTHETIC LUBRICATING OIL (MOBILE SCH 630) CAS No See Comments	**Gallons** State: Liquid Type: Pure	**110** Storage Container: Steel Drum Days on Site: 365	**55**	55 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable				
DOT: 8 - Corrosives (Liquids and Solids)	**TOLYTRIAZOLE** CAS No 64665-57-2	**Gallons** State: Liquid Type: Pure	**1500** Storage Container: Aboveground Tank Days on Site: 365	**1500**	1000 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation				
	TURBINE OIL (CHEVRON GST OIL ISO 32) CAS No See Description	**Gallons** State: Liquid Type: Pure	**19789** Storage Container: Steel Drum, Other Days on Site: 365	**6839**	19200 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Flammable - Health Carcinogenicity				
	USED OIL FILTERS CAS No	**Pounds** State: Solid Type: Waste	**900** Storage Container: Steel Drum Days on Site: 365	**300**	100 Pressue: Ambient Temperature: Ambient	4000 Waste Code 223	- Physical Flammable - Health Carcinogenicity				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **SEE SITE MAP**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 3 - Flammable and Combustible Liquids Flammable Liquid, Class I-A	**WASTE NATURAL GAS CONDENSATES** CAS No 68919-39-1	**Gallons** State Liquid Type Waste	**200** Storage Container Aboveground Tank Days on Site: 365	**200**	25 Pressue Ambient Temperature Ambient	55 Waste Code	- Physical Flammable				
	WASTE, MISC USED OIL CAS No	**Gallons** State Liquid Type Waste	**550** Storage Container Steel Drum Days on Site: 365	**550**	550 Pressue Ambient Temperature Ambient	1600 Waste Code 221	- Physical Flammable - Health Carcinogenicity				
	WASTE, NITRIC ACID/LAB PACKS CAS No	**Gallons** State Liquid Type Waste	**55** Storage Container Fiber Drum Days on Site: 365	**55**	55 Pressue Ambient Temperature Ambient	710 Waste Code 791	- Physical Corrosive To Metal - Health Skin Corrosion Irritation				
	WASTE, OILY DEBRIS CAS No	**Pounds** State Solid Type Waste	**800** Storage Container Steel Drum Days on Site: 365	**300**	100 Pressue Ambient Temperature Ambient	3600 Waste Code 352	- Physical Flammable - Health Carcinogenicity				
	WASTE, OILY WATER CAS No	**Gallons** State Liquid Type Waste	**100** Storage Container Steel Drum Days on Site: 365	**55**	10 Pressue Ambient Temperature Ambient	1000 Waste Code 223	- Health Carcinogenicity				
	WASTE, PARTS WASHER CAS No	**Gallons** State Liquid Type Waste	**30** Storage Container Other Days on Site: 365	**30**	1 Pressue Ambient Temperature Ambient	30 Waste Code 135	- Health Hazard Not Otherwise Classified				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **SDG&E**
Facility Name **SDG&E - PALOMAR ENERGY CENTER**
2300 HARVESON, ESCONDIDO 92029

Chemical Location **Storage Tank NW**

CERS ID **10370380**
Facility ID **37-000-205398**
Status **Submitted** on 10/11/2024 10:19 AM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	**AMMONIUM HYDROXIDE (For NOx Reduction in SCR)** CAS No: MIXTURE	**Gallons** State: Liquid Type: Mixture	**20000** Storage Container: Aboveground Tank Days on Site: 365	**20000**	10000 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Acute Toxicity - Health Respiratory Skin Sensitization	ammonia	20%	✓	7664-41-7

Attachment 3 – Water Conservation Donation(s)

San Diego Gas & Electric
Palomar Energy Center
2300 Harveson Place
Escondido, CA 92029

Alternate Water Usage History

Start Date	End Date	Total Usage	Conversion Rate	AF
1/1/2024	12/31/2024	18,030,786	.000003069	55.34

Total AF		55.34
Fee per AF	$	635.38
Total Payment	**$**	**35,159.55**

Usage Period = January 2024 - December 2024

Fee amount increased by the change in the Implicit Price Deflator for State and Local Governments as published by the Bureau of Economic Analysis per CEC Order No. 06-0412-02.

See Public Resource Code 25806(b)

2006 Rate = 105.276 Annual Rate = 128.14175 change of 1.217198127

Check Payable to **The Water Garden and SDCWA** **$** **17,579.78**

BEA Interactive Data Application

Jason Dobbs
Generation Compliance Advisor

San Diego Gas & Electric Company
2300 Harveson Place
Escondido, CA 92029-1965
Tel: 760-432-2547
jdobbs@sdge.com

February ??, 2025

Carlos Michelon
Principle Water Resources Specialist
San Diego County Water Authority
4677 Overland Drive
San Diego, CA 92123

Re: Donation for Water Conservation Program

Dear Mr. Michelon:

It is with great pleasure that San Diego Gas & Electric – Palomar Energy Center submits this donation for $17,579.78 in support of the San Diego CWA's water conservation efforts. We congratulate you on your efforts and encourage you to continue to educate others on the value of conserving water.

Sincerely,

Jason Dobbs
Generation Compliance Advisor
San Diego Gas & Electric Company

Jason Dobbs
Generation Compliance Advisor

San Diego Gas & Electric Company
2300 Harveson Place
Escondido, CA 92029-1965
Tel: 760-432-2547
jdobbs@sdge.com

February ??, 2025

Lauren Magnuson
Director of Garden Operations
The Water Conservation Garden
12122 Cuyamaca College Drive West
El Cajon, CA 92019

Re: Donation for Water Conservation Program

Dear Ms. Pillsbury:

It is with great pleasure that San Diego Gas & Electric – Palomar Energy Center submits this donation for $17,579.78 in support of The Gardens water conservation efforts. We congratulate you on your efforts and encourage you to continue to educate others on the value of conserving water.

Sincerely,

Jason Dobbs
Generation Compliance Advisor
San Diego Gas & Electric Company

Attachment 4 – Water Use Summary

Potable Water Use

Year 2024

Month	Total (Gal/Mo)	Total (AF/Mo)	Max (GPD)	Max (AF/Day)	Min (GPD)	Min (AF/Day)
1	15,042.38	0.05	1,286.50	0.0039	19.75	0.0001
2	15,102.00	0.05	1,049.00	0.0032	0.00	0.0000
3	11,847.88	0.04	1,382.88	0.0042	110.25	0.0003
4	10,968.50	0.03	1,192.13	0.0037	48.25	0.0001
5	9,801.25	0.03	653.00	0.0020	44.00	0.0001
6	11,388.63	0.03	759.50	0.0023	197.00	0.0006
7	10,824.38	0.03	565.13	0.0017	158.25	0.0005
8	11,721.25	0.04	567.75	0.0017	149.13	0.0005
9	12,215.13	0.04	763.75	0.0023	63.50	0.0002
10	13,911.63	0.04	1,530.00	0.0047	63.00	0.0002
11	10,829.13	0.03	1,319.50	0.0040	12.00	0.0000
12	8,300.88	0.03	492.38	0.0015	83.25	0.0003
Total	**141,953.00**	**0.44**				
Max			**1,530.00**	**0.005**		
Min					**0.000**	**0.0000**
Average	**11,829.42**	**0.04**				

Recycled Water Use

Year 2024

Month	Total (Gal/Mo)	Total (AF/Mo)	Max (Gal/Mo)	Max (AF/Mo)	Min (Gal/Mo)	Min (AF/Mo)
1	35,838,819.23	109.99	3,174,274.00	9.74	0.00	0.00
2	3,798,886.93	11.66	686,458.81	2.11	0.00	0.00
3	7,892,342.02	24.22	1,297,714.88	3.98	0.00	0.00
4	1,536,855.80	4.72	400,426.41	1.23	0.00	0.00
5	2,308,424.98	7.08	261,926.97	0.80	0.00	0.00
6	14,024,458.04	43.04	2,319,929.50	7.12	0.00	0.00
7	65,248,041.10	200.24	4,022,954.75	12.35	39,390.51	0.12
8	46,450,237.88	142.55	4,103,357.75	12.59	19,074.93	0.06
9	38,126,811.79	117.01	4,161,259.25	12.77	24,742.00	0.08
10	35,636,098.23	109.36	3,782,094.50	11.61	17,767.19	0.05
11	31,973,976.81	98.12	3,353,264.50	10.29	37,161.44	0.11
12	15,667,346.81	48.08	3,385,515.00	10.39	17,209.43	0.05
Total	**298,502,299.62**	**916.07**				
Max			**4,161,259.25**	**12.770**		
Min					**0.000**	**0.0000**
Average	**24,875,191.63**	**76.34**				