

DOCKETED

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Document Title:	Palomar Energy Project Compliance
Description:	Palomar Energy Center 2023 Annual Report
Filer:	Jason Dobbs
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February 13, 2024

Mr. Keith Winstead
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

Keith Winstead:

Pursuant to the requirements of Certification Condition, COM-7, attached for your review is the Annual Compliance Report for the Palomar Energy Center.

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,

A handwritten signature in blue ink that reads "Jason T. Dobbs". The signature is written in a cursive, flowing style.

Jason 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 2023 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 is not adjacent to any areas requiring avoidance of any sensitive biological resources.

WEAP training was not conducted in 2023; 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 2023 a total of 11.15 AF of backup water was used. The corresponding fee per AF is \$629.97 resulting in donations totaling \$7,027.34. 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 State, Federal and local hazardous waste rules and regulations. All employees who manage or handle hazardous materials and waste are trained on applicable procedures, rules and regulations and policies. If wastes are 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 materials for all 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 encountered. 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). Project in progress.

V. Submittal deadlines that were missed

A review of internal records indicates that there were no submittal deadlines missed in 2023 without prior authorization.

VI. List of Filings and Permits Issued

A. San Diego Air Pollution Control District

- Authority to Construct for advanced gas path upgrade
- 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, quinquennial cycle)
- Annual Voluntary Protection Program report and three-year re-cert.

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
- Facility lighting upgrade

VIII. List of Filing Additions

A. California Air Resources Board

- Greenhouse Gas Reports

B. City of Escondido

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

C. Department of Energy

- Forms 860 & 906

D. Department of Environmental Health

- Annual Health Permit
- Annual Certification of Hazardous Materials Business Plan
- CalARP Report – as required

E. Environmental Protection Agency

- Title IV
- Title V
- Quarterly Emissions Data Reports
- Greenhouse Gas Reports

F. San Diego Air Pollution Control District

- Quarterly Emissions Reports
- Breakdown Reports / Post Breakdown Reports
- Annual RATA & Source Tests

G. State & Regional Water Resource Control Board

- Annual SWPPP Report and fees

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 2 NOVs but didn't receive any NTCs in 2023. 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 12 environmental inspections 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				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER						Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	LIQUIFIED PETROLEUM GAS, COMPRESSED	Gallons	124.8	7.8	40		- Physical	PROPANE	87%	74-98-6
		State	Storage Container		Pressue	Waste Code	Flammable	ETHANE	7%	74-84-0
		Liquid	Cylinder		> Ambient		- Physical Gas	PROPYLENE	5%	115-07-1
		CAS No			Temperature		Under Pressure	BUTANES	2%	106-97-8
		Type			Ambient			ETHYL MERCAPTAN	1%	75-08-1
	Mixture	Days on Site: 365								

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E		Chemical Location				CERS ID 10370380					
Facility Name SDG&E - PALOMAR ENERGY CENTER		Admin Bldg. NE Area				Facility ID 37-000-205398					
2300 HARVESON, ESCONDIDO 92029						Status Submitted on 9/12/2023 5:17 PM					
						Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
			Max. Daily	Largest Cont.	Avg. Daily						
DOT: 8 - Corrosives (Liquids and Solids)	LEAD ACID BATTERIES	Gallons	203	3	203		- Physical	Lead/Lead Oxide/Lead Sulfate	60%		7439-92-1
	<u>CAS No</u>	<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>		Corrosive To				
		Liquid	Other		Ambient	<u>Waste Code</u>	Metal	Antimony	3%		7440-36-0
		<u>Type</u>			<u>Temperature</u>		- Health Acute	Arsenic	0%		7440-38-2
		Mixture	Days on Site: 365		Ambient		Toxicity	Sulfuric Acid	40%	✓	7664-93-9
							- Health Skin	Calcium	0%		7440-70-2
							Corrosion				
							Irritation				
							- Health Serious				
							Eye Damage	Eye			
							Irritation				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380
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Facility Name	SDG&E - PALOMAR ENERGY CENTER	CEMS Sheltar Area	Facility ID	37-000-205398
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2300 HARVESON, ESCONDIDO 92029	Status	Submitted on 9/12/2023 5:17 PM
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CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380
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Facility Name	SDG&E - PALOMAR ENERGY CENTER	CEMS Sheltar Area	Facility ID	37-000-205398
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CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380
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Facility Name	SDG&E - PALOMAR ENERGY CENTER	CEMS Sheltar Area	Facility ID	37-000-205398
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2300 HARVESON, ESCONDIDO 92029	Status	Submitted on 9/12/2023 5:17 PM
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						Hazardous Components (For mixture only)					
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories				
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS	CAS No.
DOT: 2.2 - Nonflammable Gases	CEMS CALIBRATION GAS MIX (NO Cu. Feet in N2)		1120	140	840		- Physical Gas	Nitrogen	99%		7727-37-9
		<u>State</u>	<u>Storage Container</u>		<u>Pressue</u>	<u>Waste Code</u>	Under Pressure	Nitric Oxide	1%	✓	10102-43-9
		<u>Gas</u>	Cylinder		> Ambient		- Health Hazard				
		<u>CAS No</u>	<u>Type</u>		<u>Temperature</u>		Not Otherwise Classified				
			Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location					CERS ID	10370380			
Facility Name	SDG&E - PALOMAR ENERGY CENTER	Cylinder Storage CEMS Sheltar					Facility ID	37-000-205398			
2300 HARVESON, ESCONDIDO 92029							Status	Submitted on 9/12/2023 5:17 PM			
							Hazardous Components (For mixture only)				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases	ACETYLENE, DISSOLVED	Cu. Feet	1320	330	660		- Physical				
Combustible Liquid, Class III-B	CAS No	State	Storage Container		Pressue	Waste Code	Flammable				
	74-86-2	Gas	Cylinder		> Ambient		- Health				
		Type			Temperature		Respiratory Skin				
		Pure	Days on Site: 365		Ambient		Sensitization				
DOT: 2.2 - Nonflammable Gases	CEMS CALIBRATION GAS MIXTURE (CO and NO)	Cu. Feet	5320	140	3990		- Physical Gas	Carbon Monoxide	15%		630-80-0
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitric Oxide	1%	✓	10102-43-9
		Gas	Cylinder		> Ambient		- Health Simple	Nitrogen	84%		7727-37-9
		Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	CEMS CALIBRATION GAS MIXTURE (CO in N2)	Cu. Feet	280	140	210		- Physical Gas	Nitrogen	80%		7727-37-9
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Carbon Monoxide	20%		630-08-0
		Gas	Cylinder		> Ambient		- Health Simple				
		Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380							
Facility Name	SDG&E - PALOMAR ENERGY CENTER	East Area and NW Area	Facility ID	37-000-205398							
	2300 HARVESON, ESCONDIDO 92029		Status	Submitted on 9/12/2023 5:17 PM							
			Hazardous Components (For mixture only)								
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities	Annual Waste	Federal Hazard						
			Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS	CAS No.
DOT: 2.1 - Flammable Gases	HYDROGEN (GENERATOR FOR FUEL CELL CARS, FOR COOLING, FOR BLENDING)	Cu. Feet	202759	11264	202759		- Physical				
		State	Storage Container		Pressue	Waste Code	Flammable				
		Gas	Aboveground Tank, Cylinder		> Ambient		- Physical Gas				
		Type			Temperature		Under Pressure				
	CAS No	Pure	Days on Site: 365		Ambient						
	1333-74-0										
	Map: See site Map										

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER				lab		Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	CHLORINE BLEACH (BIOCIDIC FOR WATER SYSTEMS)	Gallons	11325	6000	8500		- Physical	Sodium Hypochlorite	13%	7681-52-9
		State	Storage Container		Pressue		Corrosive To			
		Liquid	Aboveground Tank, Tank Inside		Ambient	Waste Code	Metal			
	CAS No	Type	Building		Temperature					
	7681-52-9	Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER				Main Shop		Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
					Annual		Hazardous Components			
					Waste		(For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Federal Hazard				
			Max. Daily	Largest Cont.	Avg. Daily	Amount	Categories	Component Name	% Wt	EHS CAS No.
	WASTE, GRINDING DUST	Pounds	300	300	50	300	- Health Hazard			
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise			
		Solid	Steel Drum		Ambient	181	Classified			
		Type			Temperature					
		Waste	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380					
Facility Name	SDG&E - PALOMAR ENERGY CENTER	Main Shop	Facility ID	37-000-205398					
	2300 HARVESON, ESCONDIDO 92029		Status	Submitted on 9/12/2023 5:17 PM					
			Hazardous Components (For mixture only)						
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities Max. DailyLargest Cont.Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS	CAS No.
DOT: 6.1 - Toxic Substances	Mercuric Iodide	Gallons	3030	3020	- Health Acute				
Highly Toxic	CAS No	State	Storage Container	Pressue	Waste Code	Toxicity			
	7774-29-0	Liquid	Steel Drum, Plastic/Non-metalic	Ambient		- Health Skin			
		Type	Drum	Temperature		Corrosion			
		Waste	Days on Site: 365	Ambient		Irritation			
						- Health Serious			
						Eye Damage Eye			
						Irritation			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E			Chemical Location				CERS ID 10370380		
Facility Name SDG&E - PALOMAR ENERGY CENTER			New Product area by Haz Mat Pad				Facility ID 37-000-205398		
2300 HARVESON, ESCONDIDO 92029							Status Submitted on 9/12/2023 5:17 PM		
				Quantities		Annual Waste Amount	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
DOT: 9 - Misc. Hazardous Materials	BL180 (CLOSED COOLING WATER CORROSION INHIBITOR)	Gallons	110	55	55	- Health Skin	Sodium nitrite	30%	7632-00-0
		State	Storage Container		Pressue	Corrosion	Sodium tetraborate pentahydrate	2%	12179-04-3
		Liquid	Plastic/Non-metalic Drum		Ambient	Irritation			
		CAS No			Temperature	- Health Serious			
		Type			Ambient	Eye Damage Eye Irritation			
		Mixture	Days on Site: 365						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380
Facility Name	SDG&E - PALOMAR ENERGY CENTER	New Product Area next to Haz Mat Pad	Facility ID	37-000-205398
	2300 HARVESON, ESCONDIDO 92029		Status	Submitted on 9/12/2023 5:17 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location	CERS ID 10370380			
Facility Name	SDG&E - PALOMAR ENERGY CENTER				North East Area - Flue gas inlet	Facility ID 37-000-205398			
	2300 HARVESON, ESCONDIDO 92029					Status Submitted on 9/12/2023 5:17 PM			
					Quantities	Annual Waste	Federal Hazard	Hazardous Components	
						Amount	Categories	(For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt EHS CAS No.
	WASTE, GAS SCRUBBER	Gallons	250	55	15	60	- Physical		
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable		
		Liquid	Steel Drum		Ambient	581			
		Type			Temperature				
		Waste	Days on Site: 365		Ambient				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location	CERS ID 10370380			
Facility Name	SDG&E - PALOMAR ENERGY CENTER				Palomar Water Lab	Facility ID 37-000-205398			
	2300 HARVESON, ESCONDIDO 92029					Status Submitted on 9/12/2023 5:17 PM			
					Quantities	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)	
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt EHS CAS No.
Corrosive	Sodium Hydroxide 0.5 - 10% Lab Waste	Gallons	1	1	1	5	- Health Skin		
		State	Storage Container		Pressue	Waste Code	Corrosion		
		Liquid	Plastic/Non-metalic Drum		Ambient		Irritation		
		CAS No			Temperature				
		Type							
		Waste	Days on Site: 365		Ambient				

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E			Chemical Location			CERS ID 10370380				
Facility Name SDG&E - PALOMAR ENERGY CENTER			Product storage area			Facility ID 37-000-205398				
2300 HARVESON, ESCONDIDO 92029						Status Submitted on 9/12/2023 5:17 PM				
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
Corrosive	CL4515 SurfClean	Gallons	1000	330	1000		- Health Skin	Alcohols (C12-16) Ethoxylated	5%	68551-12-2
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion			
		Liquid	Tote Bin		Ambient		Irritation			
		Type			Temperature		- Health Hazard			
		Mixture	Days on Site: 365		Ambient		Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E			Chemical Location				CERS ID 10370380			
Facility Name SDG&E - PALOMAR ENERGY CENTER			Product storage Area				Facility ID 37-000-205398			
2300 HARVESON, ESCONDIDO 92029							Status Submitted on 9/12/2023 5:17 PM			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	CL 4132 (Corrosion Inhibitor for Copper Alloys) CAS No	Gallons	660	330	660		- Physical	Chlorotolyltriazole sodium salt	20%	202420-04-0
		State	Storage Container		Pressue		Corrosive To			
		Liquid	Tote Bin		Ambient	Waste Code	Metal	Dichlorotolyltriazile	10%	NA
		Type			Temperature		- Health Skin	Sodium 4(or 5)-methyl-1H-benzotriazolide	5%	64665-57-2
		Mixture	Days on Site: 365		Ambient		Corrosion Irritation	Sodium Hydroxide	5%	1310-73-2

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E			Chemical Location				CERS ID	10370380		
Facility Name SDG&E - PALOMAR ENERGY CENTER			SDG&E Plant				Facility ID	37-000-205398		
2300 HARVESON, ESCONDIDO 92029							Status	Submitted on 9/12/2023 5:17 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 8 - Corrosives (Liquids and Solids)	CL 206 (CLOSED COOLING WATER MICROBIOCIDES)	Gallons	300	55	5		- Health Skin	2-2-Dibromo-3-nitrilopropionamide	20%	10222-01-2
		State	Storage Container		Pressue	Waste Code	Corrosion			
		Liquid	Tote Bin		Ambient		Irritation			
		Type			Temperature		- Health Serious			
	CAS No	Mixture	Days on Site: 365		Ambient		Eye Damage Eye Irritation			
	10222-01-2									
	SODIUM BROMIDE COOLING WATER TREATMENT	Gallons	3000	3000	2250		- Health Hazard	SODIUM BROMIDE	40%	7647-15-6
		State	Storage Container		Pressue	Waste Code	Not Otherwise			
		Liquid	Aboveground Tank		Ambient		Classified			
		Type			Temperature					
	CAS No	Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E			Chemical Location			CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER			SDG&E Plant - Colling Tower			Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
				Quantities		Annual Waste	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily	Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	SODIUM BISULPHITE (COOLING WATER TREATMENT)	Gallons	1325	700	1000		- Health Skin	SODIUM BISULFITE	40%	7631-90-5
		State	Storage Container		Pressue	Waste Code	Corrosion			
		Liquid	Aboveground Tank, Tank Inside		Ambient		Irritation			
	CAS No	Type	Building		Temperature					
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location	CERS ID	10370380
Facility Name	SDG&E - PALOMAR ENERGY CENTER	SDG&E Plant - Cooling Tower	Facility ID	37-000-205398
	2300 HARVESON, ESCONDIDO 92029		Status	Submitted on 9/12/2023 5:17 PM

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

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E			Chemical Location			CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER			SDG&E Plant - Next to Haz Mat Pad			Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
							Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Component Name	% Wt	EHS CAS No.
	CL 2156 (BOILER WATER MICROBIOCIDES)	Gallons	Max. Daily	Largest Cont.	Avg. Daily		- Health Skin Corrosion	5-chloro-2-methyl-4-isothiazolin-3-one	1%	26172-55-4
		State	Storage Container		Pressue	Waste Code	Irritation	Magnesium nitrate	1%	2682-20-3
	CAS No	Liquid	Tank Inside Building		Ambient			Magnesium Chloride	1%	7786-30-3
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER				SDG&E Plant Cooling tower		Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	CL 3857 (COOLING WATER TREATMENT ANTISCALENT)	Gallons	2600	1500	1500		- Health Skin Corrosion	2-Phosphono-1,2,4-butane tricarboxylic acid	30%	37971-36-1
		State	Storage Container		Pressue	Waste Code				
		Liquid	Aboveground Tank		Ambient		Irritation			
	CAS No 37971-36-1	Type			Temperature		- Health Hazard			
		Mixture	Days on Site: 365		Ambient		Not Otherwise Classified			

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER				SDG&E Plant N - Transformer Area		Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
			Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	TRANSFORMER OIL-PCB FREE	Gallons	45469	14631	45269		- Physical	Distillates (petroleum), hydrotreated middle	60%	64742-46-7
	CAS No	State	Storage Container		Pressue		Flammable	hydrotreated middle		
		Liquid	Other		Ambient	Waste Code	- Health Hazard	Mineral Oil, Petroleum Distillates,	40%	64742-53-6
		Type			Temperature		Not Otherwise Classified	Hydrotreated Light Naphthenic		
		Mixture	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location					CERS ID	10370380			
Facility Name	SDG&E - PALOMAR ENERGY CENTER		SEE SITE MAP					Facility ID	37-000-205398		
2300 HARVESON, ESCONDIDO 92029								Status	Submitted on 9/12/2023 5:17 PM		
						Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities					Component Name	% Wt	EHS CAS No.	
DOT: 8 - Corrosives (Liquids and Solids)	CAUSTIC SODA	Gallons	825	525	600		- Physical	Sodium hydroxide	97%	1310-73-2	
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosive To				
		Liquid	Tank Inside Building		Ambient		Metal	Sodium carbonate	3%	497-19-8	
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	CEMS CALIBRATION GAS MIXTURE (For NO2 Converter)	Cu. Feet	280	140	210		- Physical Gas	Nitrogen	99%	7727-37-9	
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitrogen Dioxide	1%	10102-44-0	
		Gas	Cylinder		> Ambient		- Health Simple				
		Type			Temperature		Asphyxiant				
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	CEMS CALIBRATION GAS MIXTURE (NO in N2)	Cu. Feet	1680	140	1260		- Physical Gas	Nitrogen	98%	7727-37-9	
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure	Nitric Oxide	2%	10102-43-9	
		Gas	Cylinder		> Ambient		- Health				
		Type			Temperature		Aspiration Hazard				
		Mixture	Days on Site: 365		Ambient						
DOT: 9 - Misc. Hazardous Materials	CHILLER REFRIGERANT R-134A	Gallons	165	55	55		- Physical Gas				
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure				
	811-97-2	Liquid	Tank Inside Building, Cylinder, Other		> Ambient						
		Type			Temperature						
		Pure	Days on Site: 365		Ambient						
	CT9004 (REVERSE OSMOSIS TREATMENT)	Gallons	600	300	150		- Health Skin	1-Hydroxyethylidene-1,1-diphosphonic acid	7%	2809-21-4	
	CAS No	State	Storage Container		Pressue	Waste Code	Corrosion				
		Liquid	Tote Bin		Ambient		Irritation				
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						
	Ecosafe EHC 46 (ES EHC-46)	Gallons	300	55	100		- Physical	Polyether polyol	99%	Proprietary	
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable	Phenothiazine	1%	92-84-2	
	See Description	Liquid	Steel Drum, Other		Ambient						
		Type			Temperature						
		Mixture	Days on Site: 365		Ambient						
DOT: 2.2 - Nonflammable Gases	NITROGEN	Cu. Feet	79200	300	1800		- Physical Gas				
	CAS No	State	Storage Container		Pressue	Waste Code	Under Pressure				
	7727-37-9	Gas	Aboveground Tank, Cylinder		> Ambient						
		Type			Temperature						
		Pure	Days on Site: 60		Ambient						
DOT: 2.2 - Nonflammable Gases	OXYGEN (FOR INSTRUMENT CALIBRATIONS)	Cu. Feet	747	249	560		- Physical				
	CAS No	State	Storage Container		Pressue	Waste Code	Flammable				
	7782-44-7	Gas	Cylinder		> Ambient		- Physical Gas				
		Type			Temperature		Under Pressure				
		Pure	Days on Site: 365		Ambient						

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. SDG&E			Chemical Location				CERS ID	10370380		
Facility Name SDG&E - PALOMAR ENERGY CENTER			SEE SITE MAP				Facility ID	37-000-205398		
2300 HARVESON, ESCONDIDO 92029							Status	Submitted on 9/12/2023 5:17 PM		
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
	Propylene Glycol	Gallons	300	300	150		- Health Hazard	Propylene Glycol	95%	57-55-6
	CAS No	State	Storage Container		Pressue	Waste Code	Not Otherwise Classified			
	57-55-6	Liquid	Plastic/Non-metalic Drum		Ambient	133				
		Type			Temperature					
		Waste	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	Sodium Hydroxide 50%	Gallons	580	525	300		- Physical Corrosive To Metal	Sodium Hydroxide	50%	1310-73-2
Corrosive, Toxic, Water Reactive, Class 1	CAS No	State	Storage Container		Pressue	Waste Code	- Health Skin Corrosion Irritation	Water	50%	
	1310-73-2	Liquid	Aboveground Tank, Plastic/Non-metalic Drum		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
DOT: 2.2 - Nonflammable Gases	SULFUR HEXAFLUORIDE (FOR ELECTRIC EQUIPMENT ARC PREVENTION GAS)	Cu. Feet	288	288	288		- Physical Gas Under Pressure			
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Acute Toxicity			
	2551-62-4	Gas	Cylinder		> Ambient					
		Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	SULFURIC ACID, 93% (For Water Treatment pH Control)	Gallons	18000	20000	10846		- Physical Corrosive To Metal	Sulfuric Acid	93%	✓ 7664-93-9
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Skin Corrosion Irritation			
		Liquid	Aboveground Tank		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
	SURFACE-ACTIVE POLYAMINES	Gallons	4590	2295	4590		- Physical Corrosive To Metal	No haz pictogram required. see sds		
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Skin Corrosion Irritation			
	Map: See site Map	Liquid	Tote Bin		Ambient					
		Type			Temperature					
		Mixture	Days on Site: 365		Ambient					
	SYNTHETIC LUBRICATING OIL (MOBILE SCH 630)	Gallons	110	55	55		- Physical Flammable			
	CAS No	State	Storage Container		Pressue	Waste Code				
	See Comments	Liquid	Steel Drum		Ambient					
		Type			Temperature					
		Pure	Days on Site: 365		Ambient					
DOT: 8 - Corrosives (Liquids and Solids)	TOLYTRIAZOLE	Gallons	1500	1500	1000		- Physical Corrosive To Metal			
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Skin Corrosion Irritation			
	64665-57-2	Liquid	Aboveground Tank		Ambient					
		Type			Temperature					
		Pure	Days on Site: 365		Ambient					
	TURBINE OIL (CHEVRON GST OIL ISO 32)	Gallons	19789	6839	19200		- Physical Flammable			
	CAS No	State	Storage Container		Pressue	Waste Code	- Health Carcinogenicity			
	See Description	Liquid	Steel Drum, Other		Ambient					
		Type			Temperature					
		Pure	Days on Site: 365		Ambient					

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E	Chemical Location				CERS ID	10370380				
Facility Name	SDG&E - PALOMAR ENERGY CENTER	SEE SITE MAP				Facility ID	37-000-205398				
2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM				
DOT Code/Fire Haz. Class	Common Name	Unit	Quantities			Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)			
			Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.	
	USED OIL FILTERS	Pounds	900	300	100	4000	- Physical				
	CAS No	State	Storage Container	Pressue	Waste Code	Flammable					
	Solid	Steel Drum	Ambient	223	- Health						
	Type	Temperature	Carcinogenicity								
	WASTE NATURAL GAS CONDENSATES	Waste	Days on Site: 365	Ambient							
		DOT: 3 - Flammable and Combustible Liquids	Gallons	200	200	25	55	- Physical			
		State	Storage Container	Pressue	Waste Code	Flammable					
		Liquid	Aboveground Tank	Ambient							
Flammable Liquid, Class I-A	CAS No	Type	Temperature								
	68919-39-1	Waste	Days on Site: 365	Ambient							
		WASTE, MISC USED OIL	Gallons	550	550	550	1600	- Physical			
		CAS No	State	Storage Container	Pressue	Waste Code	Flammable				
Liquid		Steel Drum	Ambient	221	- Health						
Type		Temperature	Carcinogenicity								
	WASTE, NITRIC ACID/LAB PACKS	Waste	Days on Site: 365	Ambient							
		CAS No	State	Storage Container	Pressue	Waste Code	Corrosive To				
		Liquid	Fiber Drum	Ambient	791	Metal					
		Type	Temperature	- Health Skin							
	WASTE, OILY DEBRIS	Waste	Days on Site: 365	Ambient			Corrosion				
							Irritation				
		CAS No	State	Storage Container	Pressue	Waste Code	- Physical				
		Solid	Steel Drum	Ambient	352	Flammable					
	WASTE, OILY WATER	Type	Temperature	Carcinogenicity							
		Waste	Days on Site: 365	Ambient							
		CAS No	State	Storage Container	Pressue	Waste Code	- Health				
		Liquid	Steel Drum	Ambient	223	Carcinogenicity					
	WASTE, PARTS WASHER	Type	Temperature								
		Waste	Days on Site: 365	Ambient							
		CAS No	State	Storage Container	Pressue	Waste Code	- Health Hazard				
		Liquid	Other	Ambient	135	Not Otherwise					
		Type	Temperature				Classified				
		Waste	Days on Site: 365	Ambient							

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org.	SDG&E				Chemical Location		CERS ID	10370380		
Facility Name	SDG&E - PALOMAR ENERGY CENTER				Storage Tank NW		Facility ID	37-000-205398		
	2300 HARVESON, ESCONDIDO 92029						Status	Submitted on 9/12/2023 5:17 PM		
				Quantities		Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only)		
DOT Code/Fire Haz. Class	Common Name	Unit	Max. Daily	Largest Cont.	Avg. Daily			Component Name	% Wt	EHS CAS No.
DOT: 2.2 - Nonflammable Gases	AMMONIUM HYDROXIDE (For NOx Reduction in SCR)	Gallons	20000	20000	10000		- Physical	ammonia	20%	✓ 7664-41-7
		State	Storage Container		Pressue	Waste Code	Corrosive To			
		Liquid	Aboveground Tank		Ambient		Metal			
	CAS No	Type			Temperature		- Health Acute			
	MIXTURE	Mixture	Days on Site: 365		Ambient		Toxicity			
							- Health			
							Respiratory Skin			
							Sensitization			



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
1/1/2023	12/31/2023	3,634,726	.000003069	11.15
Total AF				11.15
Fee per AF				\$ 629.97
Total Payment				\$ 7,027.34

Usage Period = January 2023 - December 2023

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 = 127.052 change of 1.206846765

Check Payable to **The Water Garden and SDCWA** \$ **3,513.67**

Accounting Information:

IO = FE5000002100

CC = 2100-0737

Acct = 6230610



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 13, 2024

Jennifer Pillsbury
Executive Director
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 \$3,513.67 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 a precious natural resource.

Sincerely,

A handwritten signature in blue ink that reads "Jason T. Dobbs". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

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

January 18, 2024

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

Re: Donation for Water Conservation Program

Dear Mr. Michelin:

It is with great pleasure that San Diego Gas & Electric – Palomar Energy Center submits this donation for \$3,513.67 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 a precious natural resource.

Sincerely,

A handwritten signature in blue ink that reads "Jason T. Dobbs". The signature is written in a cursive, flowing style.

Jason Dobbs
Generation Compliance Advisor
San Diego Gas & Electric Company

Attachment 4 – Water Use Summary

Potable Water Use

Year 2023

Month	Total (Gal/Mo)	Total (AF/Mo)	Max (GPD)	Max (AF/Day)	Min (GPD)	Min (AF/Day)
1	7,996.00	0.02	452.63	0.0014	69.00	0.0002
2	8,380.00	0.03	485.63	0.0015	166.00	0.0005
3	22,172.00	0.07	1,336.75	0.0041	144.88	0.0004
4	26,096.63	0.08	1,856.50	0.0057	428.75	0.0013
5	16,099.38	0.05	819.00	0.0025	305.00	0.0009
6	15,519.00	0.05	993.00	0.0030	37.00	0.0001
7	17,129.50	0.05	1,945.88	0.0060	25.88	0.0001
8	14,790.50	0.05	885.75	0.0027	238.25	0.0007
9	12,665.00	0.04	1,097.25	0.0034	29.38	0.0001
10	12,180.63	0.04	868.38	0.0027	175.00	0.0005
11	14,724.25	0.05	1,367.00	0.0042	76.38	0.0002
12	13,996.00	0.04	886.50	0.0027	152.63	0.0005
Total	181,748.88	0.56				
Max			1,945.88	0.006		
Min					25.875	0.0001
Average	15,145.74	0.05				

Recycled Water Use

Year 2023

Month	Total (Gal/Mo)	Total (AF/Mo)	Max (Gal/Mo)	Max (AF/Mo)	Min (Gal/Mo)	Min (AF/Mo)
1	38,016,476.30	116.67	2,749,074.00	8.44	249,406.02	0.77
2	45,708,157.64	140.27	3,022,927.25	9.28	15,994.47	0.05
3	23,062,133.50	70.77	2,701,693.50	8.29	0.00	0.00
4	13,782,797.81	42.30	2,402,544.25	7.37	0.00	0.00
5	2,692,620.13	8.26	833,015.69	2.56	0.00	0.00
6	1,641,349.56	5.04	400,527.06	1.23	0.00	0.00
7	3,073,687.52	9.43	366,343.81	1.12	19,109.46	0.06
8	60,714,266.72	186.32	3,724,896.50	11.43	65,959.62	0.20
9	46,386,710.89	142.36	3,777,943.00	11.59	20,999.34	0.06
10	27,554,572.36	84.56	3,946,249.75	12.11	15,475.10	0.05
11	48,379,689.19	148.47	3,412,573.75	10.47	47,808.68	0.15
12	71,244,195.45	218.64	3,565,766.75	10.94	156,712.55	0.48
Total	382,256,657.08	1,173.10				
Max			3,946,249.75	12.111		
Min					0.000	0.0000
Average	31,854,721.42	97.76				