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CGS14-L-0007
March 3, 2014

Eric Veerkamp
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814

Reference: Colusa Generating Station

Subject: Colusa Generating Station (06-AFC-9)
Condition of Certification COM-7(BIO-2; HAZ-1; Noise-8; Soil and Water 2,7, 8, 9; TLSN-3; VIS-1&3; Waste-5) – Annual Operating Report (revised)

Dear Eric:

Please find the attached pursuant to CGS Conditions of Certification COM-7. A revised Annual Compliance Report for the Colusa Generating Station representing the operational period of January 1, 2013 through December 31, 2013 is being submitted as requested. Within this report you will find the following information;

1. Attachment A: an updated compliance matrix showing the status of all Conditions of Certification (with exception to fully satisfied conditions as they do not need to be included after they have been reported as completed);

2. Attachment B: a summary of the current project operating status with explanations of any significant changes to facility operations during the reporting year;

3. Attachment C: documents required by specific conditions to be submitted along with the Annual Compliance Report. These items include;

4. Attachment D: a cumulative listing of all post-certification changes approved by the California Energy Commission or cleared by the CPM;

5. Attachment E: an explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided;

6. Attachment F: a listing of filings submitted to, or permits issued by, other governmental agencies during the year;

7. Attachment G: a projection of project compliance activities scheduled during the next year;

8. Attachment H: a listing of the year's additions to the on-site compliance files;

9. Attachment I: an evaluation of the on-site contingency plan for unplanned facility closure, including any suggestions necessary for bringing the plan up to update;

10. Attachment J: a listing of complaints, notices of violations, official warnings, and citations received during the year, a description of the resolution of any resolved matters, and the status of any unresolved matters.

Should you have any questions or comments please contact me at (530) 934-9007.

Regards,

Charles Price
Senior Environmental Consultant

cc: File No. 3.6.3.22
Ed Warner, PG&E
Jason Vann, PG&E

Attachment A
Compliance Matrix

Per Com-7 Item 1 we are to provide; "an updated compliance matrix showing the status of all Conditions of Certification (fully satisfied Conditions do not need to be included in the matrix after they have been reported as completed)"

Please see the attached updated Matrix.

COLUSA GENERATING STATION COMPLIANCE MATRIX BASED ON CEC FINAL DECISION

Color code key:	Construction Item	Commissioning Item	Operations Item	Submitted to CEC or Agency	Approved by CEC

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
AQ-01	COMM	All facility operating staff shall be advised of and familiar with these permit conditions.	Provide CPM and APCO with signed records of facility operating staff indicating review of permit conditions and maintain training and records documenting this training at the site.	30 days prior to first fire	PG&E	**On file in Environmental Managers Office**		**Ongoing with New Hires**	
AQ-02	CONS	Right of entry shall be provided at all times.	Project Owner shall make site available to reps of the District, ARB and CEC for inspection, etc.	As required	PG&E			Ongoing	
AQ-03	OPS	In the case of shutdown or restart of air pollution control equipment for necessary scheduled maintenance, notify CPM and APCO of such shutdown 24 hours prior.	Notify the CPM and APCO 24 hours in advance of planned shutdowns for maintenance.	As required	PG&E			Ongoing	
AQ-04	OPS	If any upset or breakdown occurs with permitted equipment that causes excess emissions of air contaminants, the APCO shall be notified with 24 hours or by 9:00am by the following work day.	In addition to phone call, also submit a written statement of full disclosure to the APCO within 72 hours, including date, time, duration, estimated emissions, cause and remedy.	As required	PG&E			Ongoing	
AQ-05	OPS	Fugitive emissions, including dust and odors, shall be controlled at all times such that a nuisance is not created at any point beyond the facility's property lines.	Project Owner shall document any complaints received from the public in the Quarterly Operation Reports (QORs) required by AQ-22 and make site available to APCO, ARB, and CEC representatives.	Quarterly after COD	PG&E			Ongoing	
AQ-07.2	COMM	A source test protocol will be submitted to the APCD for approval.	Submit source test protocol to the APCD for approval by the APCO.	45 days prior to conducting annual source tests	PG&E	Submitted to CEC, EPA, CCAPCD 09/08/10; 9/14/2011		Annual Requirement	
AQ-07.3	COMM	Notify the CPM and District 10 days prior to actual source test.	Notify the CPM and APCD prior to any compliance source test.	10 days prior to conducting any compliance source test	PG&E			Annual Requirement	
AQ-08	COMM	**CONDITION MODIFIED BY CEC ORDER 7-15-09:** Stack gas testing shall be required on an annual basis for NOx, VOC, and CO on the HRSG stacks. The HRSG stacks shall also be tested for SOx and PM10 emissions during the first year and in subsequent years if requested by APCO. The natural gas water bath heater shall be tested for NOx, SOx, VOC, CO, and PM10 during the first year and thereafter only as requested by APCO.	The results and field data colleced during source tests shall be submitted to the CPM and the District within 60 days of testing.	Within 60 days of testing	PG&E			Annual Requirement	
AQ-09	COMM	Annual testing of the HRSG stacks shall include quantification of formaldehyde and NH3 emissions for compliance with permit limits.Verify by continuous recording the ammonia injection rate to the system. The ammonia source test shall be conducted over the expected operating rate of the turbine as set forth in the Condition.	Provide results and field data collected during source tests to CPM and APCD. Submit proposed ammonia injection/emission rate correlation to the APCD and CPM for approval with the ammonia source test report.	Within 60 days of testing	PG&E			Annual Requirement	

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
AQ-10	OPS	**CONDITION MODIFIED BY CEC ORDER 7-15-09:** The gas turbines, duct burners, and natural gas water heater shall be fired exclusively on pipeline quality natural gas.	Submit information on the quality and type of fuel used for the gas turbines, duct burners, and natural gas water bath heater to the CPM/APCO in the QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-11	OPS	The average annual sulfur content in the natural gas shall be less than or equal to 0.3 grains per 100 SCF. Conduct monthly testing at the site using approved methods to determine sulfur content. Natural gas testing info from Burney will also be reviewed and provided to the APCD.	Compile the required data on the sulfur content of the natural gas and submit to the CPM and APCO in the QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-13a	OPS	All applicable federal standards and test procedures of Subpart KKKK shall be met.	Provide copies of all correspondence with EPA regarding compliance with Subpart KKKK to the APCD and CEC.	Quarterly after COD	PG&E			Ongoing	
AQ-14	OPS	CTGs shall meet a VOC limit of 2.0 ppmvd w/ duct burner firing and 1.38 ppmvd w/o duct firing at 15% O2 averaged over 1 hour. Maximum hourly steady state VOC emission limits for each CTG are 7.2 pounds with duct firing and 3.4 pounds w/o duct firing	Submit to the CPM and APCO CTG source test emissions data demonstrating compliance with this condition as required by condition AQ-8 and provide operating data that establishes ongoing compliance as part of AQ-22.	Within 60 days of testing	PG&E			Ongoing	
AQ-15	OPS	The CTGs shall meet a NOx limit of 2.0 ppmvd @15% O2 averaged over one hour except during commissioning. Maximum hourly steady state NOx emission limits for each CTG are 20.7 pounds with duct firing and 15.3 pounds without duct firing.	Submit to the CPM and APCO CTG continuous emissions data demonstrating compliance with this condition as part of the QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-16	OPS	The CTGs shall meet a CO limit of 3.0 ppmvd @15% O2 over a three-hour rolling average except during commissioning. Maximum hourly steady state CO emission limits for each CTG are 18.9 pounds with duct firing and 14.0 pounds without duct firing.	Submit to the CPM and APCO CTG continuous emissions data demonstrating compliance with this condition as part of the QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-18	OPS	Ammonia slip shall be limited to 5.0 pmvd @15% O2 over one hour. Formaldehyde emissions will be limited to 0.917 lbs per MMscf of natural gas. Maximum hourly steady state NH3 emission limits for each CTG are 19.2 pounds with duct firing and 14.2 pounds without duct firing.	Submit to the CPM and APCO CTG source test emissions data demonstrating compliance with this condition a part of the QOR. Provide to the CPM and APCO for approval a calculation method to determine the ammonia slip emissions, using source test data, based on the NOx concentration and the ammonia injection rate; this calculation shall be revised for approval as necessary after each source test performed under AQ-9.	Within 60 days of testing	PG&E			Annual Requirement	
AQ-19a	OPS	CEMS shall be installed to sample, analyze, and record NOx, CO, and O2 concentration in the exhaust gas of both HRSG stacks.	Make the site available for inspection by the APCD, ARB, and CEC to verify CEMS is properly installed and operational.	As required	PG&E			Ongoing	
AQ-19b	OPS	CEMS will generate reports of emissions data in accordance with permit requirements and will send alarm signals to the plant DCS control room when emissions levels approach or exceed pre-selected limits.	Submit emissions data generated by the CEMS to the CPM and APCO as part of the QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-19c	OPS	RATA tests will be conducted annually to verify performance of the CEMS.	Provide RATA test results along with annual source test report as required under AQ-8.	Annually	PG&E			Ongoing	
AQ-22	OPS	Quarterly reports of CEMS and process data, including startup info, shall be submitted to the District within 30 days after the end of each quarter.	Provide information as part of QORs. (Format will be determined by the District and may include both electronic spreadsheet and hard copy files.)	Quarterly after COD	PG&E			Ongoing	

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
AQ-25	OPS	**CONDITION MODIFIED BY CEC ORDER 7-15-09:** The total emissions from the CTGs and HRSGs shall not exceed those established in the Condition for hourly and daily operations (see emission limits set forth in table in condition).	Submit CTG and HRSG emissions data to CEC CPM and APCO demonstrating compliance with the condition as part of QORs.	Quarterly after COD	PG&E			Ongoing	
AQ-26	OPS	**CONDITION MODIFIED BY CEC ORDER 7-15-09:** The total emissions from the Colusa Power Plant shall not exceed the quarterly and annual combustion emission limits established in the Condition [all numbers have been revised from original Final Decision]	Submit to the CPM and APCO the plant emissions data demonstrating compliance with this condition.	Quarterly after COD	PG&E			Ongoing	
AQ-29	OPS	Total facility emissions of Hazardous Air Pollutants shall not exceed 10 tons/year for any single pollutant except ammonia, formaldehyde, and propylene.		Annually	PG&E			Ongoing	
AQ-SC6	OPS	Submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. Project Owner shall submit to the CPM any modification to any permit proposed by the District of EPA and any revised permit issued by the District of EPA.	Submit any proposed air permit modification to the CPM.	Within 5 working days of its submittal	PG&E			Ongoing	
AQ-SC9	OPS	Submit to the CPM Quarterly Operation Reports following the end of each calendar quarter and containing the info required by Condition AQ-19.	Submit QORs to the CPM and APCO no later than 30 days following the end of each calendar quarter.	Quarterly after COD	PG&E			Ongoing	
AQ-SC11	OPS	**NEW CONDITION PER CEC ORDER 7-15-09:** The wet surface air cooler spray water shall be tested for total dissolved solids and that data shall be used to determine and report the particulate matter emissions from the wet surface air cooler. The wet surface air cooler spray water shall be tested at least once annually during the anticipated summer operation peak period (July through September).	The project owner shall provide the water quality test results and the wet surface air cooler particulate (PMI *0/PM2.5)* emissions estimates to the CPM as part of the fourth quarter's quarterly operational report (AQ-SC9).	At least once annually during summer peak period				Ongoing	
BIO-07	OPS	Incorporate biological mitigation measures into the BRMIMP and permanent or unexpected permanent closure plans.	Address all biological resource related issues associated with facility closure and provide final measures in a biological resources element of the final closure plan.	12 months prior to start of closure activities	PG&E			Ongoing	
COM-01	OPS	Unrestricted Access		Ongoing	PG&E			Ongoing access provided during construction	
COM-02	OPS	Compliance Record--The files are to contain copies of all "as-built" drawings, all documents submitted as verification for conditions, and all other project-related documents.		Ongoing	PG&E			Ongoing	
COM-05	OPS	Compliance Matrix	Submit a compliance matrix with each MCR and also in ACR	Include in MCR and in ACR	PG&E			Ongoing	
COM-07	OPS	Annual Compliance Report	Submit to CPM on an annual basis	Annually	PG&E			Ongoing	
COM-09	OPS	Annual Energy Facility Compliance Fee	Submit annual compliance fee to CEC	During life of project	PG&E			Ongoing	

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
COM-10	OPS	Reporting of Complaints, Notices and Citations	Report to the CPM all notices, complaints, and citations within 10 days of receipt.	As required	PG&E			Ongoing	
COM-11	OPS	Planned Facility Closure	Submit a closure plan to the CPM at least 12 months prior to commencement of a planned closure	12 months prior to start of closure activities	PG&E				
COM-13	OPS	Unplanned Permanent Facility Closure	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure.	Within 90 days of permanent closure	PG&E	9/29/2010	CGS10-L-0111	Approved via email 10/15/10	
COM-14	CONS	Post-Certification Changes to the Decision		As required	PG&E			Amendments are discussed in MCR	
CUL-04	CONS	Prepare the Cultural Resources Report (CRR) in ARMR format. Include all information specified in Condition.	Submit CRR within 90 days after completion of ground disturbance (including landscaping).	Within 90 days after completion of landscaping	PG&E	7/28/2011	CGS11-L-0026	Approved 4/9/13	
GEN-01c	OPS	Once the certificate of occupancy has been issued, inform the CPM of any construction, addition, alterations, moving, demolition, repair, or maintenance to be performed on any portions of the completed facility for the purpose of complying with the above stated codes.	Submit required info to the CPM.	At least 30 days prior to such work	PG&E				
GEN-08	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The Project Owner shall request the CBO to inspect the completed structure and review the submitted documents. The Project Owner shall retain one set of approved engineering plans, specifications, and calculations at the project site or other accessible location during the operation of the project.	Submit to the CBO a written notice that the completed work is ready for inspection and a signed statement that the work conforms to the final approved plans.	Within 15 days of completion of any work	PG&E/CBO				
HAZ-01	OPS	Do not use any hazardous material in any quantity or strength not listed in Appendix C unless approved in advance by the CEC CPM.	Report to the CPM a list of hazardous materials and storage quantities contained at the facility	Include in Annual Compliance Report	PG&E			Ongoing	
NOISE-02	OPS	Throughout the construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints. Noise Complaint Resolution process will be used.	File a Noise Complaint Resolution Form with the City and the CPM documenting resolution of the compliant.	Within 5 days of receiving a noise compliant	PG&E				
NOISE-08	OPS	In the event legitimate noise complaints are made by owners or occupants at the two residences locate at ML1, ML2, or RC1 during operation of the CGS, the Project Owner shall offer to pay for the following noise attenuating upgrades (see list in Condition).	Upgrades shall be installed (unless impossible due to circumstances beyond Project Owner's control) within six months of the receipt of the compliance. Provide documentation certifying the items listed in the Condition.	As required	PG&E			Ongoing	

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
PAL-06	OPS	Through the designated PRS, shall ensure that all components of the PRMMP are adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontological resource materials encountered and collected during project construction .	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period of three years after completion and approval of the CPM-approved Paleontological Resources Report.	As required					
SOIL & WATER-04b	OPS	Notify the CEC of any violations of the agreement requirements, limits or amounts.	Provide copies of any NOVs from the GCID. Fully explain corrective actions in next MCR.	Within 10 days of NOV	PG&E			Ongoing	
SOIL & WATER-07b	OPS	Submit any required monitoring information to the CPM in the annual compliance report.	Submit requested information.	Include in ACR	PG&E			Ongoing	
SOIL & WATER-07c	OPS	Submit copies of an NOVs to the CPM.	Submit requested info to CPM.	Within 10 days of receipt of NOV; explain correction actions in ACR	PG&E			Ongoing	
SOIL & WATER-08b	OPS	Prepare an annual water use summary which includes the monthly range and monthly average of daily raw water usage in gpd and total water used by the project on a monthly and annual basis in acre-feet. Potable water use on the site shall be recorded on a monthly basis. (See additional details for annual water use summary in Condition)	Submit requested info to CPM.	Annually	PG&E			Ongoing	
SOIL & WATER-09c	OPS	Monitor the waste water system following the general standards adopted in the SWRCB's onsite wastewater treatment system regs or the procedures outlined in the CPM-approved O&M manual. Provide testing results.	Provide requested into to CPM.	Include in ACR	PG&E			Ongoing	
TLSN-03	OPS	Take reasonable steps to resolve any complaints of interference with radio or TV signals from operation of the proposed lines.	Provide reports of line-related complaints along with related mitigation measures in the annual report for the first five year.	Include in ACR	PG&E			Ongoing	
VIS-01b	OPS	Notify the CPM that the surface treatment of all listed structures and buildings has been completed and is ready for inspection and submit electronic color photographs taken from the same KOPs	Set up an inspection appointment.	Within 90 days of start of commercial ops	PG&E	3/24/2011	CGS11-L-0014	4/11/2011	
VIS-02b	COMM	Notify the CPM that the lighting has been completed and is ready for inspection.	Set up an inspection appointment.	Prior to start of commercial operation	Gemma	9/19/2011	CGS11-L-0036	Approved 9/29/2011	
VIS-02c	OPS	Notify the CPM of any complaints re: lighting.	Submit a complaint resolution form to the CPM record each lighting complaint and document resolution of that complaint.	Within 48 hours after receiving a complaint	PG&E			Ongoing	

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Lead Respons. Party	Date sent to CEC, CBO or agency	Log Number	Status	Comments
VIS-03	CONS	Provide landscaping that reduces the visibility of the power plant structures and complies with local policies and ordinances. Trees shall be strategically placed along the southern, eastern, and northern facility boundaries as appropriate and of sufficient density and height to screen the plant structures to the greatest feasible extent within the shortest feasible time.	Prepare and submit a landscaping plan (see Condition for details on info to include in plan) to the CPM for review and approval and to the County for review and comment.Notify the CPM and County within 7 days after completing installation of landscaping. Report on landscape maintenance activities in ACR.	At least 90 days prior to installation of landscaping -	PG&E			Submitted 8/25/2010 Approved 9/14/2010 Ongoing for Annual Report	
WASTE-04	CONS	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the Project Owner shall notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	As required	PG&E			Ongoing	
WASTE-05b	OPS	Prepare an Operations Waste Management Plan for all wastes generated during construction of the facility.	Submit plan to the CPM for review and approval. See Final Decision WASTE-5 for plan requirements.	Provide training sign-in sheets in first MCR Report in Annual Report	PG&E	9/23/2010	CGS10-L-0109	Approved on 10/18/10	

Attachment B
Project Operating Status Summary

Per Com-7 Item 2 we are to provide; "A Summary of the current project operating status and an explanation of any significant changes to the facility operations during the year"

The facility is currently operating normally and there were no significant changes to the facility operations during the reporting period.

Attachment C
Accompanying Documents

CEC 2013 Annual Compliance Report		
Reporting Conditions; Per COM-7 item 3		
Condition of Certification	Reporting	
BIO 2	Designated Biologist Record Summaries	See Attached Documentation, Appendix 1
HAZ 1	List of Chemicals on site	See Attached Documentation, Appendix 2
Noise 8	Noise Complaints	See Attached Documentation, Appendix 3
S&W 2	SWPPP Monitoring and Maintenance Activities	See Attached Documentation, Appendix 4
S&W 7	GCID Monitoring Requirements/Violations	See Attached Documentation, Appendix 5
S&W 8	Annual Water Use	See Attached Documentation, Appendix 6
S&W 9	Septic Tank	See Attached Documentation, Appendix 7
TLSN 3	Electro Magnetic interference Complaints	See Attached Documentation, Appendix 8
VIS 1	Surface Treatment Report	See Attached Documentation, Appendix 9
VIS 3	Landscape Report	See Attached Documentation, Appendix 10
Waste 5	Waste Management Plan	See Attached Documentation, Appendix 11

Appendix 1, BIO-2

Appendix 2, HAZ-1

Hazardous Materials

Appendix C

Colusa Generating Station Onsite Inventory of Hazardous Materials

Trade Name	Chemical Name	Common Name / Chemical Purpose	Location	Storage Container Type	Capacity of Largest Container	Unit	Number of Items	Total Amount Stored	Maximum Daily Amount	Average Daily Amount	Days on Site	Estimated Pounds Per Year of Chemical
Product #001A0382	Shell Omala Oil HD 220	gear box/ACC oil	Air Cooled Condenser - Gear Box (E13)	ACC Gear Box	12 gal	gallons	42	504 gal	504	504	365	504.0
	Carbon dioxide, Liquid	Carbon dioxide, Liquid	Carbon Dioxide Bottle Storage Rack at Combustion Turbine-A (Site Feature #59)	Tank	12,000 lb	pounds	1	12,000 lb	12,000	9,000	365	9,000 lb onsite daily
	Carbon dioxide, Liquid	Carbon dioxide, Liquid	Carbon Dioxide Bottle Storage Rack at Combustion Turbine-B (Site Feature #59)	Tank	12,000 lb	pounds	1	12,000 lb	12,000	9,000		9,000 lb onsite daily
	Carbon dioxide, Liquid	Carbon dioxide, Liquid	Carbon Dioxide Bottle Storage Rack at Steam Turbine (Site Feature #59)	Tank	12,000 lb	pounds	1	12,000 lb	12,000	9,000		9,000 lb onsite daily
Nalco TRAC107 PLUS	PSO (1.0 - 5.0%)	Closed Cooling Corrosion/Scale Inhibitor	Closed Cooling Chemical Feed Tank (Site Feature #106)	55-gal Metal or Plastic Drum .56	55 gal	gallons	4	220 gal	220	165	365	1,010
MSDS #778983	Turbine Oil	lube oil	Combustion Turbine-A (E1)	CT-A Lube Oil System (E1)	6,150 gal	gallons	1	6,150 gal	6,150	4,613	365	33,671 lb onsite daily
	Hydrogen	Hydrogen / Coolant	Combustion Turbine-A HRSG (G2)	Generator	10,617 cu ft	cubic feet	1	10,617 cu ft	10,617	7,963	365	
MSDS #778984	Turbine Oil	lube oil	Combustion Turbine-B (E2)	CT-B Lube Oil System (E2)	6,150 gal	gallons	1	6,150 gal	6,150	4,613	365	33,671 lb onsite daily
	Hydrogen	Hydrogen / Coolant	Combustion Turbine-B HRSG (G2)	Generator	10,617 cu ft	cubic feet	1	10,617 cu ft	10,617	7,963	365	
	Oxygen Gas	Oxygen Gas	Continuous Emissions Monitor System Shelters (G4)	Cylinders	200 cu ft	cubic feet	6 (3 per CEMS shelter)	1,200 cu ft	1200	900	365	
	Nitrogen oxide / Nitrogen dioxide (Low Range)	Nitrogen oxide / Nitrogen dioxide (Low Range)	Continuous Emissions Monitor System Shelters (G4)	Cylinders	200 cu ft / 0.062 lb	cubic feet / pounds	6 (3 per CEMS shelter)	1200 cu ft / 0.374 lb	1200	900 cu ft / 0.281 lb	365	0.281 lb onsite daily
	Nitrogen oxide / Nitrogen dioxide (High Range)	Nitrogen oxide / Nitrogen dioxide (High Range)	Continuous Emissions Monitor System Shelters (G4)	Cylinders	200 cu ft / 0.062 lb	cubic feet / pounds	6 (3 per CEMS shelter)	1200 cu ft / 0.374 lb	1200	900 cu ft / 0.281 lb	365	0.281 lb onsite daily
	Carbon monoxide (Low Range)	Carbon monoxide (Low Range)	Continuous Emissions Monitor System Shelters (G4)	Cylinders	200 cu ft	cubic feet	6 (3 per CEMS shelter)	1200 cu ft	1,200	900	365	
	Carbon monoxide (High Range)	Carbon monoxide (High Range)	Continuous Emissions Monitor System Shelters (G4)	Cylinders	200 cu ft	cubic feet	6 (3 per CEMS shelter)	1200 cubic feet	1,200	900	365	

Trade Name	Chemical Name	Common Name / Chemical Purpose	Location	Storage Container Type	Capacity of Largest Container	Unit	Number of Items	Total Amount Stored	Maximum Daily Amount	Average Daily Amount	Days on Site	Estimated Pounds Per Year of Chemical
5711	Aqueous Ammonia with Monoethanolamine (5 - 12%)	BFW pH Adjustment and Corrosion Control (Ammonia / Amine Blend)	Cycle Chemical Feed Shelter (Boler Feedwater/Condensate) (B1)	Tote	400 gal / 3,338 lb	gallons / pounds	1	400 gal / 3,338 lb	400 gal / 3,338 lb	300 gal / 2,504 lb	365	6,320
BL-153	Ammonium Hydroxide 10-19%	BFW pH Adjustment and Corrosion Control (Ammonia / Amine Blend)	Cycle Chemical Feed Shelter (Boler Feedwater/Condensate) (B1)	Tote	400 gal / 3,338 lb	gallons / pounds	1	400 gal / 3,338 lb	400 gal / 3,338 lb	300 gal / 2,504 lb	365	3,338 lbs on site daily
BL-152	Aqueous Ammonia with Monoethanolamine (5 - 10%)	BFW pH Adjustment and Corrosion Control (Ammonia / Amine Blend)	Cycle Chemical Feed Shelter (Boler Feedwater/Condensate) (B1)	Tote	400 gal / 3,338 lb	gallons / pounds	1	400 gal / 3,338 lb	400 gal / 3,338 lb	300 gal / 2,504 lb	365	3,338 lbs on site daily
ELIMINOX	Carbohydrazide (5 - 10%)	Oxygen Scavenger	Cycle Chemical Feed Shelter (Boler Feedwater/Condensate) (B1)	Drum	55 gal	gallons	1	55 gal	55	41	365	490
BT-3400	Pre-blended Phosphate/Caustic (1.0 - 5.0%)	pH and Corrosion Control (HP & IP Phosphate Feed)	Cycle Chemical Feed Shelter (HRSG A&B) (B1)	Tote	110 gal	gallons	1	110 gal	110	83	365	979
CROSSTRANS 106 and 207	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-A Excitation Transformer (E9)	Transformer	521 gal	gallons	1	521 gal	521	391	365	3,165 lb onsite daily
CROSSTRANS 106 and 206	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-A GSU Transformer (E4)	Transformer	14,950 gal	gallons	1	14,950 gal	14,950	11,213	365	90,821 lb onsite daily
CROSSTRANS 106 and 208	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-A Isolation Transformer (E10)	Transformer	977 gal	gallons	1	977 gal	977	733	365	5,935 lb onsite daily
CROSSTRANS 106 and 207	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-B Excitation Transformer (E9)	Transformer	521 gal	gallons	1	521 gal	521	391	365	3,165 lb onsite daily
CROSSTRANS 106 and 207	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-B GSU Transformer (E5)	Transformer	14,950 gal	gallons	1	14,950 gal	14,950	11,213	365	90,821 lb onsite daily
CROSSTRANS 106 and 208	mineral oil	mineral oil	Electrical Equipment: Combustion Turbine-B Isolation Transformer (E10)	Transformer	977 gal	gallons	1	977 gal	977	733	365	5,935 lb onsite daily
CROSSTRANS 106 and 209	mineral oil	mineral oil	Electrical Equipment: Station Service Transformer (E7)	Transformer	6,510 gal	gallons	1	6,510 gal	6,510	4,883	365	39,548 lb onsite daily
CROSSTRANS 106 and 210	mineral oil	mineral oil	Electrical Equipment: Station Service Transformer (E7)	Transformer	6,510 gal	gallons	1	6,510 gal	6,510	4,883	365	39,548 lb onsite daily
CROSSTRANS 106 and 209	mineral oil	mineral oil	Electrical Equipment: Steam Turbine Excitation Transformer (E11)	Transformer	747 gal	gallons	1	747 gal	747	560	365	4,538 lb onsite daily
CROSSTRANS 106 and 208	mineral oil	mineral oil	Electrical Equipment: Steam Turbine GSU Transformer (E6)	Transformer	19,015 gal	gallons	1	19,015 gal	19,015	14,261	365	115,516 lb onsite daily
	Helium	Helium, Compressed	Gas Metering Station (G5)	Cylinders	250 cu ft	cubic feet	5	1250 cu ft	1,250	938	365	
	Methane	Methane Compressed	Gas Metering Station (G5)	Cylinders	59 cu ft	cubic feet	1	59 cu ft	59	44	365	
MSDS #778986	Turbine Oil	lube oil	Hazardous Materials Storage Area (M2)	Drum	55 gal	gallons	4	220 gal	220	165	365	1,205 lb onsite daily
Product #001A0383	Shell Omala Oil HD 221	gear box/ACC oil	Hazardous Materials Storage Area (M2)	Barrels	55 gal	gallons	2	110 gal	110	83	365	606 lb onsite daily

Trade Name	Chemical Name	Common Name / Chemical Purpose	Location	Storage Container Type	Capacity of Largest Container	Unit	Number of Items	Total Amount Stored	Maximum Daily Amount	Average Daily Amount	Days on Site	Estimated Pounds Per Year of Chemical
	Hydrogen	Hydrogen	Hydrogen Storage Area (G1)	Tube Trailer	44,000 cu ft	cubic feet	1	44,000 cu ft	44,000	33,000	365	53,000
AlphaCELL 195GXL-FT3	Lead Acid Battery	Lead Acid Battery	Packaged Electrical Electronic Control Center (PEECC) (M7)	Electrical Equipment: Battery	100 lb	pounds	116	11,600 lb	11,600	11,600	365	11,600
	Acetylene Gas	Acetylene Gas	Plant Maintenance Area (G3)	Cylinders	143 cu ft	cubic feet	4	572 cu ft	572	429	365	
	Argon Gas	Argon Gas	Plant Maintenance Area (G3)	Cylinders	381 cu ft	cubic feet	2	762 cu ft	762	572	365	
	Oxygen Gas	Oxygen Gas	Plant Maintenance Area (G3)	Cylinders	250 cu ft	cubic feet	6	1500 cu ft	1,500	1,125	365	
	Propane Gas	Propane Gas	Plant Maintenance Area (G3)	Cylinders	20 lb	pounds	16	319 lb	320	240	365	
	Nitrogen Gas	Nitrogen Gas	Plant Maintenance Area (G3), Compressed Cylinder Storage Area (C3)	Cylinders	250 cu ft	cubic feet	48	12,000 cu ft	12,000	12,000	365	
CDID: Stationary SPg - IB	Lead-Antimony Battery	Lead-Antimony Battery	Power Distribution Center in center of site (M6)	Electrical Equipment: Battery	110 lb	pounds	60	6,600 lb	6,600	6,600	365	6,600
CDID: Stationary SPg - IB	Lead-Antimony Battery	Lead-Antimony Battery	Power Distribution Center in Water Treatment Building (M6)	Electrical Equipment: Battery	110 lb	pounds	20	2,200 lb	2,200	2,200	365	2,200
MSDS #778985	Turbine Oil	lube oil	Steam Turbine (E3)	Steam Turbine Lube Oil System (E3)	5,250 gal	gallons	1	5,250 gal	5,250	3,938	365	28,744 lb onsite daily
	Hydrogen	Hydrogen / Coolant	Steam Turbine Generator (G2)	Generator	15,439 cu ft	cubic feet	1	15,439 cu ft	15,439	11,579	365	
	Sulfur Hexafluoride	SF6	Sulfur Hexafluoride Breakers (G4)	Electrical Equipment: Breaker	205 lb	pounds	7	1,432 lb	1,432	1,074	365	1,074 lb onsite daily
C & D Technologies 3DJ-200	Flooded Lead-Calcium Battery	Flooded Lead-Calcium Battery	Switchyard Control House (M7)	Electrical Equipment: Battery	100 lb	pounds	60	6,000 lb	6,000	6,000	365	6,000
7469	Anti-foam	Foam Control (ZLD)	Water Treatment Building (High Efficiency RO and ZLD) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	4,200
FO-321	Anti-foam	Foam Control (ZLD)	Water Treatment Building (High Efficiency RO and ZLD) (Site Feature #15)	Tank	360	gallons	1	360	360	270	365	3013 lbs on site daily
Nalco 8131	Coagulant (5 - 20%)	Coagulant (UF and Lamella Clarifier)	Water Treatment Building (Raw Water Pre-Treatment and RO) (B4)	Aboveground Tank	2,500 gal / 31,295 lb	gallons / pounds	1	2,500 gal / 31,295 lb	2,500 gal / 31,295 lb	1,875 gal / 23,471 lb	365	23,471 lb onsite daily
P-828L	Ferric Sulfate 30-60%	Coagulant (UF and Lamella Clarifier)	Water Treatment Building (Raw Water Pre-Treatment and RO) (B4)	Aboveground Tank	2,500 gal / 31,295 lb	gallons / pounds	1	2,500 gal / 31,295 lb	2,500 gal / 31,295 lb	1,875 gal / 23,471 lb	365	23,471 lb onsite daily
Cat-Floc 8018 Plus	Flocculant (5 - 20%)	Flocculant (Lamella Clarifier)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	480
7744	Flocculant (5 - 20%)	Flocculant (Lamella Clarifier)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	480
P-817E	Flocculant (5 - 20%)	Flocculant (Lamella Clarifier)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	480

Trade Name	Chemical Name	Common Name / Chemical Purpose	Location	Storage Container Type	Capacity of Largest Container	Unit	Number of Items	Total Amount Stored	Maximum Daily Amount	Average Daily Amount	Days on Site	Estimated Pounds Per Year of Chemical
PC-7408	Sodium Bisulfite (30 - 60%)	Water Treatment Feedwater Dechlorinization (Sodium Bisulfite Feed)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	2,399
RL-124	Sodium Bisulfite (30 - 60%)	Water Treatment Feedwater Dechlorinization (Sodium Bisulfite Feed)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tank	360 gal	gallons	1	360 gal	360	270	365	3,600
	Sulfuric Acid 98% (66 degree Baume 93%)	pH Adjustment (Sulfuric Acid for pH Adjustment)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	300 gal	gallons	2	600 gal	600	450	365	9,205
8735	Sodium Hydroxide	pH Adjustment (Caustic for pH Adjustment)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	2,399
BL-1304	Sodium Hydroxide 15-40%; Potassium Hydroxide 10-30%	pH Adjustment (Caustic for pH Adjustment)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tank	360 gal	gallons	1	360 gal	360	270	365	4543 lbs on site daily
PC-191T	Antiscalant	RO Scale Inhibition (Raw Water RO Antiscalant)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tote	400 gal	gallons	1	400 gal	400	300	365	1,200
RL-9008	Antiscalant 2-Phosphono-1,2,4 - butane tricarboxylic acid 5-10%	RO Scale Inhibition (Raw Water RO Antiscalant)	Water Treatment Building (Raw Water Pre-Treatment and RO) (Site Feature #15)	Tank	360 gal	gallons	1	360 gal	360	270	365	3431 lb on site daily
	Sodium Hypochlorite (10 - 12%)	Bacteria Control for UF (Sodium Hypo-chlorite Feed)	Water Treatment Building (Raw Water Pre-Treatment and RO) (B4)	Aboveground Tank	1000 gal	gallons	1	1,000 gal	1,000	750	365	6,259 lb onsite daily
PERMA-CARE® PC-98	Sodium Hydroxide (5 - 15%)	High pH Cleaning (RO Cleaning Chemical)	Water Treatment Building (Reverse Osmosis and UF Cleaners) (Site Feature #15)	55-gal Metal or Plastic Drum .56	55 gal	gallons	4	220 gal	220	165	365	940
PERMA-CARE® PC-40	Sodium Percarbonate (5 - 15%)	Surfactant for Cleaning (RO Cleaning Chemical)	Water Treatment Building (Reverse Osmosis and UF Cleaners) (Site Feature #15)	5-gal Pail	5 gal	gallons	2	9 gal / 100 lbs	10	8	365	42
8344	Citric Acid (5 - 15%)	Low pH Cleaning (UF Iron Cleaner)	Water Treatment Building (Reverse Osmosis and UF Cleaners) (Site Feature #15)	55-gal Plastic Drum .56	55 gal	gallons	4	220 gal	220	165	365	575
RL-2016	Citric Acid (10-30%)	Low pH Cleaning (UF Iron Cleaner)	Water Treatment Building (Reverse Osmosis and UF Cleaners) (Site Feature #15)	Drum	55 gal	gallons	4	220 gal	220	165	365	2006 lbs on site Daily
	Soda Ash	Ph control	Water Treatment Building (Site Feature #15)	Drum	500 lbs	lbs	2	1000 lbs	1,000	750	365	750
	Sodium Hypochlorite (10 - 12%)		Water Treatment Building (Site Feature #15)	Tote	300 gal	gallons	1	300 gal	300	225	365	600
RL-1500	Ethylene diamine tetraacetic acid, tetrasodium salt (10-30%)	High pH Cleaning (RO Cleaning Chemical)	Water Treatment Building (Site Feature #15)	Dum	55 gal	gallons	2	110 gal	110	83	365	

Trade Name	Chemical Name	Common Name / Chemical Purpose	Location	Storage Container Type	Capacity of Largest Container	Unit	Number of Items	Total Amount Stored	Maximum Daily Amount	Average Daily Amount	Days on Site	Estimated Pounds Per Year of Chemical
CL-2156	5-chloro-2methyl-4-isothiazolin-3-one 1.11%; 2-methyl-4-isothiazolin-3-one .39%; Magnesium Nitrate 1.61%; Magnesium Chloride .96%	Evaporative Cooling Water Biocide	Wet Surface Air Cooled Chemical Feed Shelter (B2)	Tank	150 gal	gallon	1	150 gal	150	113	365	1286 lbs onsite daily
3DTBR06	Bioreporter (1 - 10%)	Tracing Agent (Bioreporter)	Wet Surface Air Cooled Chemical Feed Shelter (B2)	5-gal Pail	5 gal	gallons	2	10 gal	10	8	365	330
Nalco 3DT161	Inhibitor (5 - 10%)	Evaporative Cooling Scale/Corrosion Inhibitor	Wet Surface Air Cooled Chemical Feed Shelter (B2)	Tote	110 gal	gallons	1	110 gal	110	83	365	3,359
CL-1432	Potassium phosphate, tribasic 5-10%; 1-Hydroxyethylidene-1,1-diphosphonic acid, tetrapotassium salt .5-1.0%; Tetrapotassium pyrophosphate 1-5%; Potassium hydroxide 5-10%, Tolytriazole, sodium salt 1-5%	Evaporative Cooling Scale/Corrosion Inhibitor	Wet Surface Air Cooled Chemical Feed Shelter (B2)	Tank	150 gal	gallons	1	150 gallons	150	113	365	1674 lbs onsite daily
CT-709	Tetrapotassium pyrophosphate 40-70%	Wet SAC Passivation	Wet Surface Air Cooled Chemical Feed Shelter (B2)	Drum	55 gal	gallons	1	55 gal	55	41	365	792 lbs onsite daily
CROSSTRANS 106 and 208	mineral oil	mineral oil	Electrical Equipment: Alternate Power Transformer (E12)	Transformer	550 gal	gallons	1	550 gal	550	550	365	550 lb onsite daily
MSDS #778984	Turbine Oil	lube oil	Combustion Turbine-A HRSG (G2)	boiler feedwater pump	141 gal	gallons	2	282 gal	282	212	365	2,045 lb onsite daily
MSDS #778984	Turbine Oil	lube oil	Combustion Turbine-B HRSG (G2)	boiler feedwater pump	141 gal	gallons	2	282 gal	282	212	365	2,045 lb onsite daily
	Sulfuric Acid 98% (66 degree Baume 93%)		Zero Liquid Discharge AreaSite Feature #21)	Tote	325 gal	gallons	1	325 gal	325	244	365	4,986
	Aqueous Ammonia (19%)		Aqueous Ammonia Storage Tank (M5)	Tank	20,000 gal	gallons	1	20,000 gal	20,000	15,000	365	154,971
Shell Turbo Fluid DR 46	Trixyly Phosphate (60-100%)	Steam Turbine Hydraulic Oil	Steam Turbine (E14)	Tank	500 gal	gallons	1	500 gal	500	400	365	
DOWFROST* 30 Heat Transfer Fluid	Propylene Gycol (30%)	propylene gycol in the water bath heater	Water Bath Heater (Site Feature #85)	In water bath heater	16,662 gal	gallons	1	16,662 gal	16,662	12,497	365	
Carbon Dioxide	Carbon Dioxide, Gas (99%)		Near STG	compressed gas cylinder	436 cu ft	cu ft	72	31392 cu ft	31,392	23,544	365	
Gasoline	Gasoline	Gasoline	Hazardous Materials Storage Area (M2)	Drum	55 Gal	gallons	2	110 gallons	110	55	365	3000 gallons
Diesel	Diesel	Diesel	Hazardous Materials Storage Area (M2)	Drum	55 Gal	gallons	2	110 gallons	110	55	365	2200 gallons

Appendix 3, Noise-8

Per Noise-8, the following is required: "In the first annual compliance report after the receipt of a complaint, the project owner shall include documentation certifying that: 1) the noise-attenuating upgrades were installed on the specified residence at the project owner's expense; 2) the noise attenuating upgrades were already a feature of the residence; 3) installation was offered but refused by the owner; or 4) residential use by the complainant was ceased.

There were no Noise Complaints made by the owners or occupants of any of the existing residences located at ML1, ML2, or RC1 during operation of the CGS. There have been no noise complaints to date from anyone.

Appendix 4, Soil & Water -2

Pacific Gas and Electric Company®

Ed Warner
Plant Manager

Mailing Address
Pacific Gas and Electric Company
Colusa Generating Station
P.O. Box 398
Maxwell, CA 95955

530.934.9061
Fax: 530.934.9024

CGS13-L-0012
June 27, 2013

Robert Ditto
Central Valley - Regional Water Quality Control Board
11020 Sun Center Drive, Suite #200
Rancho Cordova, CA 95670-6114

Attention: Annual Report for Industrial Activities

Reference: WDID Number 5S06I022929
Pacific Gas and Electric Company – Colusa Generating Station

Subject: 2012-2013 Annual Report for Storm Water Discharges Associated with Industrial Activities

Dear Mr. Ditto:

In compliance with the terms of the General Permit for Storm Water Discharges Associated with Industrial Activity for Pacific Gas and Electric Company, Colusa Generating Station (WDID# 5S06I0022929), attached is a copy of the 2012-2013 Annual Report.

If you have any questions please contact Charles Price at (530) 934-9007.

Regards,

Ed Warner
Plant Manager

Cc: File Number: 3.11.17.1
C. Price, PG&E
J. Vann, PG&E

State of California
STATE WATER RESOURCES CONTROL BOARD

2012-2013

ANNUAL REPORT

FOR
STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2012 through June 30, 2013

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at http://www.swrcb.ca.gov/stormwtr/contact.html. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

GENERAL INFORMATION:

A. Facility Information:

Facility WDID No: 5S06I022929

Facility Business Name: Colusa Generating Station
Physical Address: 4780 Dirks Road
City: Maxwell
Standard Industrial Classification (SIC) Code(s): 4911

Contact Person: Ed Warner
e-mail: E1W2@pge.com
CA Zip: 95955 Phone: 530-934-9061

B. Facility Operator Information:

Operator Name: Pacific Gas & Electric Co.
Mailing Address: P.O. Box 398
City: Maxwell

Contact Person: Ed Warner
e-mail: E1W2@pge.com
State: CA Zip: 95955 Phone: 530-934-9061

C. Facility Billing Information:

Operator Name: Pacific Gas & Electric Co.
Mailing Address: P.O. Box 398
City: Maxwell

Contact Person: Ed Warner
e-mail: E1W2@pge.com
State: CA Zip: 95955 Phone: 530-934-9061

2012-2013

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

   ☐ **YES** Go to Item D.2 ☒ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

   i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

   _____

   ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

   iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: _____

   Re-evaluation Date: _____

   Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

   iv. ☐ Received Regional Board Certification Certification Date: _____

   v. ☐ Received Local Agency Certification Cetification Date: _____

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

   ☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 1 If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

   ☒ **YES** ☐ **NO, attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? 1

4. For each storm event sampled, did you collect and analyze a sample from each of the facilitys' storm water discharge locations? [X] YES, go to Item E.6 [ ] NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? [ ] YES [ ] NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated _____

6. Were <u>all</u> samples collected during the first hour of discharge? [ ] YES [X] NO, **attach explanation**

7. Was <u>all</u> storm water sampling preceded by three (3) working days without a storm water discharge? [X] YES [ ] NO, **attach explanation**

8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) [X] YES [ ] NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) [ ] YES [X] NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? [X] YES [ ] NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? [X] YES [ ] NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    _____ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler.
- Parameters tested.
- Name of analytical testing laboratory.
- Discharge location identification.
- Testing results.
- Test methods used.
- Test detection limits.
- Date of testing.
- Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**
Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

☒ YES ☐ NO Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers**. Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September	☐ YES	☐ NO	☒ N/A	October-December	☐ YES	☐ NO	☒ N/A
January-March	☐ YES	☐ NO	☒ N/A	April-June	☐ YES	☐ NO	☒ N/A

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

i. name of each authorized non-storm water discharge
ii. date and time of observation
iii. source and location of each authorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**
Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July -September	☒ YES	☐ NO		October-December	☒ YES	☐ NO	
January-March	☒ YES	☐ NO		April-June	☒ YES	☐ NO	

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☐ YES ☒ NO Go to item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☐ YES ☐ NO **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

i. name of each unauthorized non-storm water discharge.
ii. date and time of observation.
iii. source and location of each unauthorized non-storm water discharge.
iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
v. name, title, and signature of observer.
vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers**. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	☐	☒	February	☐	☒
November	☒	☐	March	☐	☒
December	☒	☐	April	☐	☒
January	☒	☐	May	☐	☒

2. Report monthly wet season visual observations using **Form 4** or provide the following information.

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occured during the last year.
   - outdoor wash and rinse areas.
   - process/manufacturing areas.
   - loading, unloading, and transfer areas.
   - waste storage/disposal areas.
   - dust/particulate generating areas.
   - erosion areas.
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified: ☒ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? [X] YES [ ] NO

The following records should be reviewed:

- quarterly authorized non-storm water discharge visual observations
- monthly storm water discharge visual observation
- records of spills/leaks and associated clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? [X] YES [ ] NO

The following SWPPP items should be reviewed:

- pollution prevention team
- list of significant materials
- description of potential pollutant sources
- assessment of potential pollutant sources
- identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? [X] YES [ ] NO

The following BMP categories should be reviewed:

- good housekeeping practices
- spill response
- employee training
- erosion control
- quality assurance
- preventative maintenance
- material handling and storage practices
- waste handling/storage
- structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? [X] YES [ ] NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? [X] YES [ ] NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☒ YES (Mandatory)		
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☒ NA
4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☒ YES	☐ NO	☐ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Ed Warner

Signature: _____ Date: 6/27/13

Title: Senior Plant Manager

2012-2013
ANNUAL REPORT

Attachment 1

FORM 1 – SAMPLING & ANALYSIS RESULTS

2012-2013

ANNUAL REPORT

SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

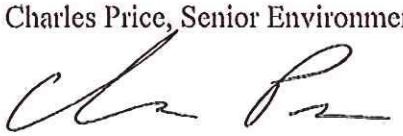
NAME OF PERSON COLLECTING SAMPLE(S): Charles Price **TITLE:** Sr, Environmental Consultant **SIGNATURE:**

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			pH	TSS	SC	O&G	TOC	Iron				
Sediment Pond	11/19/2012 ☒ AM 0828 ☐ PM	N/A ☐ AM ☐ PM	7.06	4.5	310	1.3		.62				
	☐ AM ☐ PM	☐ AM ☐ PM										
	☐ AM ☐ PM	☐ AM ☐ PM										
	☐ AM ☐ PM	☐ AM ☐ PM										
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/L				
TEST METHOD DETECTION LIMIT:			0.01	2.0	1.0	2.0		.1				
TEST METHOD USED:			Handheld	2540D	120.1	1664A		200.7				
ANALYZED BY (SELF/LAB):			Self	Lab	Lab	Lab		Lab				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

Colusa Generating Station
PH Sampling & Analytical Results
November 19, 2012

Time Sample Taken:	0828
Time Test Performed:	0839
Results:	7.06
Instrument Used:	Ultrameter II by Myron L. Company (SN# 6201578)
Calibration Time:	Approximate start of 0815 – Performed using Manufacture Specs.
Calibration Solution:	PH 7.00 Buffer Solution (Lot A1297; exp. 10/13). Calibrated to 7.02
Calibration Check- Base:	10.01 Buffer Solution (Lot A1315; exp. 11/12)
Base Results:	9.98
Calibration Check- Acid:	4.01 Buffer Solution (Lot A1318; exp. 11/15).
Acid Results:	4.00
Sampling and Analysis Performed By:	Charles Price, Senior Environmental Consultant



CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

November 28, 2012

CLS Work Order #: CVK0679
COC #: 118359

Ed Warner
PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project Name: Colusa Generating Station

Enclosed are the results of analyses for samples received by the laboratory on 11/19/12 12:35. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

11/28/12 10:38

PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project: Colusa Generating Station
Project Number: [none]
Project Manager: Ed Warner

CLS Work Order #: CVK0679
COC #: 118359

CLS - Labs

CHAIN OF CUSTODY

CLS ID No.: CVK0679 LOG NO. 118359

REPORT TO:

NAME AND ADDRESS: Colusa Generating Station 4780 Dirks Rd (P.O. Box 398) Maxwell, CA 95955
PROJECT MANAGER: Ed Warner PHONE #:
PROJECT NAME: Colusa Generating Station
SAMPLED BY: Charles Price
JOB DESCRIPTION: Storm Water
SITE LOCATION:

CLIENT JOB NUMBER:

DESTINATION LABORATORY:
☒ CLS (916) 638-7301
3249 FITZGERALD RD.
RANCHO CORDOVA, CA. 95742
☐ OTHER

PRESERVATIVES

ANALYSIS REQUESTED

GEOTRACKER:
EDF REPORT ☐ YES ☐ NO
GLOBAL ID:

COMPOSITE:

FIELD CONDITIONS:

TURN AROUND TIME: 1 DAY | 2 DAY | 5 DAY | 10 DAY

SPECIAL INSTRUCTIONS
OR
ALT. ID:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	ANALYSIS REQUESTED	10 DAY
11-19-12	8:28	Storm 1		1	1L Poly	X		X
"	"	"		1	1L Amber	+		X
"	"	"		1	½ L Vial	N/A	+	X

SUSPECTED CONSTITUENTS:

PRESERVATIVES: (1) HCL (2) H2SO4 (3) = COLD (4) = NaOH (5) = H2SO4 (6) = Na2S2O3 (7) =

INVOICE TO:

P.O. #

QUOTE #

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Charles Price	CP for PGE	11-19-12 1225		

RECD AT LAB BY: JonR DATE / TIME: 11-19-12 12:35 CONDITIONS / COMMENTS: 8.1°C

SHIPPED BY: ☐ FED X ☐ UPS ☐ OTHER AIR BILL #

PG&E - Maxwell	Project: Colusa Generating Station	
P.O. Box 398	Project Number: [none]	**CLS Work Order #: CVK0679**
Maxwell, CA 95955	Project Manager: Ed Warner	COC #: 118359

CLS LABS
SAMPLE RECEIVING EXCEPTION REPORTS

CLS Labs Job # CVK0679

Problem discovered by: JonR **Date:** 11/19/12

Nature of problem

Sulfite **Chlorine, Total** **Chlorine, Residual** **(Ph)** **Dissolved O2**

(Circle analysis above) Received out of HOLD time.

Client contacted? Yes _____ **No** _____ **Spoke With:** _____

By whom: _____ **Date:** ___/___/___ **Time:** _____ **HRS**

Client instructions:

Resolution of problem:

Logged in regardless and will be ran for analysis requested.

H:\Will\Orellana\SampleException.Doc

PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project: Colusa Generating Station
Project Number: [none]
Project Manager: Ed Warner

CLS Work Order #: CVK0679
COC #: 118359

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Storm 1 (CVK0679-01) Water	**Sampled: 11/19/12 08:28**	**Received: 11/19/12 12:35**							
Specific Conductance (EC)	**310**	1.0	µmhos/cm	1	CV08102	11/20/12	11/20/12	EPA 120.1	
pH	**7.40**	0.01	pH Units	"	CV08059	11/19/12	11/19/12	SM4500-H B	HT-F
Total Suspended Solids	**4.5**	2.0	mg/L	"	CV08103	11/20/12	11/26/12	SM2540D	

PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project: Colusa Generating Station
Project Number: [none]
Project Manager: Ed Warner

CLS Work Order #: CVK0679
COC #: 118359

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Storm 1 (CVK0679-01) Water	**Sampled: 11/19/12 08:28**	**Received: 11/19/12 12:35**							
Iron	**620**	100	µg/L	1	CV08129	11/21/12	11/21/12	EPA 200.7	

PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project: Colusa Generating Station
Project Number: [none]
Project Manager: Ed Warner

CLS Work Order #: CVK0679
COC #: 118359

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CV08102 - General Preparation										
Blank (CV08102-BLK1)				Prepared & Analyzed: 11/20/12						
Specific Conductance (EC)	ND	1.0	µmhos/cm							
Batch CV08103 - General Preparation										
Blank (CV08103-BLK1)				Prepared: 11/20/12 Analyzed: 11/26/12						
Total Suspended Solids	ND	2.0	mg/L							
Duplicate (CV08103-DUP1)		**Source: CVK0684-02**		Prepared: 11/20/12 Analyzed: 11/26/12						
Total Suspended Solids	ND	2.0	mg/L		ND				20	

PG&E - Maxwell
P.O. Box 398
Maxwell, CA 95955

Project: Colusa Generating Station
Project Number: [none]
Project Manager: Ed Warner

CLS Work Order #: CVK0679
COC #: 118359

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CV08129 - EPA 3010A										
Blank (CV08129-BLK1)				Prepared & Analyzed: 11/21/12						
Iron	ND	100	µg/L							
LCS (CV08129-BS1)				Prepared & Analyzed: 11/21/12						
Iron	5100	100	µg/L	5000		102	85-115			
Matrix Spike (CV08129-MS1)		**Source: CVK0722-01**		Prepared & Analyzed: 11/21/12						
Iron	5160	100	µg/L	5000	83.6	102	70-130			
Matrix Spike (CV08129-MS2)		**Source: CVK0720-01**		Prepared & Analyzed: 11/21/12						
Iron	12600	100	µg/L	5000	7430	104	70-130			

PG&E - Maxwell	Project: Colusa Generating Station	
P.O. Box 398	Project Number: [none]	**CLS Work Order #: CVK0679**
Maxwell, CA 95955	Project Manager: Ed Warner	COC #: 118359

Notes and Definitions

HT-F	This is a field test method and it is performed in the lab outside holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Clinical Laboratory of San Bernardino, Inc.

CLS Labs	Project: Oil & Grease / TPH	Work Order: 12K1404
3249 Fitzgerald Rd.	Sub Project: CVK0679	Received: 11/20/12 10:00
Rancho Cordova CA, 95742	Project Manager: Mark Smith	Reported: 11/29/12

Storm 1 **12K1404-01 (Storm Water)** **Sample Date:** 11/19/12 8:28 **Sampler:** Not Listed

Analyte	Method	Result	Units	Rep. Limit	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses								
Oil & Grease/HEM	EPA 1664A	**1.3**	mg/L	2.0	11/21/12	11/26/12	1247184	J

J Detected below the Reporting Limit; reported concentration is estimated; (J-Flag)

ND Analyte NOT DETECTED at or above the reporting limit

Bob Glaubig

Laboratory Director

Post Office Box 329 San Bernardino, CA 92402 (909) 825-7693 Fax (909) 825-7696 ELAP Number 1088

Clinical Laboratory of San Bernardino, Inc.

CLS Labs	Project: Oil & Grease / TPH	Work Order: 12K1404
3249 Fitzgerald Rd.	Sub Project: CVK0679	Received: 11/20/12 10:00
Rancho Cordova CA, 95742	Project Manager: Mark Smith	Reported: 11/29/12

General Chemical Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	%Rec Limits	RPD	RPD Limit	Qualifier
Batch 1247184										
Blank (1247184-BLK1)				Prepared: 11/21/12 Analyzed: 11/26/12						
Oil & Grease/HEM	ND	2.0	mg/L							
LCS (1247184-BS1)				Prepared: 11/21/12 Analyzed: 11/26/12						
Oil & Grease/HEM	7.70	2.0	mg/L	8.0		96	78-114			
LCS Dup (1247184-BSD1)				Prepared: 11/21/12 Analyzed: 11/26/12						
Oil & Grease/HEM	7.10	2.0	mg/L	8.0		89	78-114	8	18	

J Detected below the Reporting Limit; reported concentration is estimated; (J-Flag)

ND Analyte NOT DETECTED at or above the reporting limit

Bob Glaubig

Bob Glaubig

Laboratory Director

Post Office Box 329 San Bernardino, CA 92402 (909) 825-7693 Fax (909) 825-7696 ELAP Number 1088

SUBCONTRACT ORDER

CVK0679

12K 1404

SENDING LABORATORY:

CLS Labs
3249 Fitzgerald Rd.
Rancho Cordova, CA 95742
Phone: 916-638-7301
Fax: 916-638-4510
Project Manager: Mark Smith
[redacted]

RECEIVING LABORATORY:

Clinical Lab of San Bernardino
21881 Barton Road
Grand Terrace, CA 92324
Phone :(909) 825-7693
Fax: (909) 825-7696

RUSH!

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
O&G-1664 (SUB)	5	11/27/12 12:00	12/17/12 08:28	CVK0679-01	11/19/12 08:28	11/19/12 12:35	Water

Client sample ID: Storm 1
Laboratory sample ID: CVK0679-01
Please use client sample ID on all reports

Sampler:
RL = 1.0 mg/L

Containers Supplied:
1L Amber- Unpres. (C)

Jon R	11-19-12		
Relinquished By	Date	Received By	Date
		[illegible]	11-20-12 1000
Relinquished By	Date	Received By	Date
OnTrac	B10787510806		6.6°C
Shipped By	Airbill Number		

Subcontract Sample Receipt Checklist

CLS Work Order Number: CUK0679

Chain of Custody (COC) Information

Carrier Name OnTrac	Yes	☒	☐ No
Chain of custody present?	Yes	☒	☐ No
Chain of custody signed when relinquished and received?	Yes	☒	☐ No
Chain of custody agrees with sample labels?	Yes	☒	☐ Non-Compliant

Sample Receipt Information

Shipping container/cooler in good condition?	Yes	☒	☐ No	Not Present ☐
Samples in proper container/bottle?	Yes	☒	☐ Non-Compliant	
Sample containers intact?	Yes	☒	☐ No	
Sufficient sample volume for indicated test?	Yes	☒	☐ No	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☒	☐ No
Temperature upon receipt: 6.6 C			
Wet Ice present in Cooler?	Yes	☒	☐ No
Blue Ice present in Cooler?	Yes	☐	☒ No

Analytical Requirement Information

Are non-Standard of Modified methods requested?	Yes	☐	☒ No
Subcontract Lab CERTIFIED for the various methods requested?	Yes	☒	☐ No
Will Subcontract Lab be able to meet the turn-around time (TAT) requirements?	Yes	☒	☐ No

Subcontract Lab Information

Work Order Number assigned by Subcontract Lab: 12K1404

Date received at Subcontract Lab: 11-20-12

If any items are check marked NO or are non-compliant, a phone call back to California Laboratory Services is required immediately. If all items are acceptable, a faxed copy of the signed sub chain of custody (COC) and the completed sample receipt check list is required within 24 hours of sample receipt.

2012-2013
ANNUAL REPORT

SIDE A

FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Charles Price TITLE: Sr. Environmental Consultant SIGNATURE:

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			pH	TSS	SC	O&G	TOC	Iron				
Sediment Pond	11/19/13 ☒ AM 0828 ☐ PM	N/A ☐ AM ☐ PM	7.06	8	311	ND		.27				
	☐ AM ☐ PM	☐ AM ☐ PM										
	☐ AM ☐ PM	☐ AM ☐ PM										
	☐ AM ☐ PM	☐ AM ☐ PM										
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/L				
TEST METHOD DETECTION LIMIT:			.01	1	1	3		.05				
TEST METHOD USED:			Handheld	2540D	2510B	1664		200.7				
ANALYZED BY (SELF/LAB):			Self	Lab	Lab	Lab		Lab				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

December 3, 2012

Pacific Gas & Electric-Colusa Generating
P.O. Box 398
Maxwell, CA 95955

Lab ID : CH 1277515
Customer : 7-10931

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Storm 1	11/19/2012	11/19/2012	CH 1277515-001	SW

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding except those as listed in the table below. The holding time for pH is listed as immediate. Logistically this is very difficult to obtain. FGL policy is to analyze all samples requiring pH on the same day of receipt at the laboratory. If this presents any problem please call.

Lab ID	Analyte/Method	Required Holding Time	Actual Holding Time
CH 1277515-001	pH	15	103.8 Minutes

All samples arrived at room temperature. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.7	11/27/2012:217440 All analysis quality controls are within established criteria
3010	11/27/2012:213139 All preparation quality controls are within established criteria

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA NELAP Certification No. 01110CA

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)525-4172
CA ELAP Certification No. 2775

Field Office
Visalia, California
TEL: (559)734-9473
Mobile: (559)737-2399
FAX: (559)734-8435

December 3, 2012 Lab ID : CH 1277515
Pacific Gas & Electric-Colusa Generating Customer : 7-10931

Inorganic - Wet Chemistry QC

1664	11/29/2012:213305 All preparation quality controls are within established criteria
2510B	11/26/2012:217321 All analysis quality controls are within established criteria
	11/26/2012:213090 All preparation quality controls are within established criteria
2540D	11/21/2012:213039 All preparation quality controls are within established criteria
4500-H B	11/19/2012:700326 All preparation quality controls are within established criteria
4500HB	11/19/2012:700324 All analysis quality controls are within established criteria

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2012-12-03

December 3, 2012

Lab ID : CH 1277515-001
Customer ID : 7-10931

Pacific Gas & Electric-Colusa Generating
P.O. Box 398
Maxwell, CA 95955

Sampled On : November 19, 2012-08:28
Sampled By : Charles Price
Received On : November 19, 2012-10:02
Matrix : Surface Water

Description : Storm 1
Project : CGS

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Metals, Total[P:1'5]								
Iron	0.27	0.05	mg/L		3010	11/27/12:213139	200.7	11/27/12:217440
Wet Chemistry[P:1]								
Conductivity	311	1	umhos/cm		2510B	11/26/12:213090	2510B	11/26/12:217321
Oil and Grease	ND	3	mg/L		1664	11/29/12:213305	1664	11/30/12:217672
pH	7.4	--	units		4500-H B	11/19/12:700326	4500HB	11/19/12:700324
Solids, Total Suspended (TSS)	8	1	mg/L		2540D	11/21/12:213039	2540D	11/26/12:217325

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (AGJ) Amber Glass Jar, (P) Plastic Preservatives: H2SO4 pH < 2, HNO3 pH < 2
‡Surrogate. * PQL adjusted for dilution.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA NELAP Certification No. 01110CA

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

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563 E. Lindo Avenue
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3442 Empresa Drive, Suite D
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FAX: (805)525-4172
CA ELAP Certification No. 2775

Field Office
Visalia, California
TEL: (559)734-9473
Mobile: (559)737-2399
FAX: (559)734-8435

December 3, 2012 Lab ID : CH 1277515
Pacific Gas & Electric-Colusa Generating Customer : 7-10931

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Iron	200.7	11/27/12:217440AC	CCV	ppm	5.000	101 %	90-110	
			CCB	ppm		0.0012	0.05	
			CCV	ppm	5.000	100 %	90-110	
			CCB	ppm		0.0006	0.05	
	3010	11/27/12:213139AMB	Blank	mg/L		ND	<0.05	
			LCS	mg/L	3.992	104 %	85-115	
			MS	mg/L	3.992	105 %	75-125	
		(CH 1277515-001)	MSD	mg/L	3.992	108 %	75-125	
			MSRPD	mg/L	0.7988	2.8%	≤20.0	
			PDS	mg/L	3.992	117 %	75-125	
Wet Chem								
Oil and Grease	1664	11/29/12:213305AMM	Blank	mg/L		ND	<3	
			LCS	mg/L	40.40	72.8 %	63-121	
			BS	mg/L	40.40	89.1 %	63-121	
			BSD	mg/L	40.40	80.3 %	63-121	
			BSRPD	mg/L	40.40	10.3%	≤48.9	
Conductivity	2510B	11/26/12:217321JMG	ICB	umhos/cm		0.06	1	
			CCV	umhos/cm	996.0	101 %	95-105	
			CCV	umhos/cm	996.0	101 %	95-105	
E. C.	2510B	11/26/12:213090jmg	Blank	umhos/cm		ND	<1	
		(CC 1283717-002)	Dup	umhos/cm		1.4%	10	
Solids, Suspended	2540D	11/21/12:213039jam	Blank	mg/L		ND	<1	
			LCS	mg/L	50.02	83.0 %	38-138	
			LCS	mg/L	50.02	88.0 %	38-138	
		(CC 1283719-001)	Dup	mg/L		7.3%	28.7	
pH	4500-H B	(CH 1277514-001)	Dup	units		0.1%	4.80	
	4500HB	11/19/12:700324SMK	CCV	units	8.000	100 %	95-105	
			CCV	units	8.000	100 %	95-105	

Definition

PDS	: PDS failed, matrix - Post Digestion Spike (PDS) not within Acceptance Range (AR) because of matrix interferences affecting this analyte.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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FAX: (559)734-8435

Pacific Gas and Electric Company

62-1174 (Rev 2/99)
Environmental Affairs

Chain of Custody Record

From: Pacific Gas & Electric Company ☑ PG&E Facility ☐ Sample Site
Address or Location: 4780 Dirks Road
City: Maxwell, CA (Zip) 95955
Contact Name/Phone No.: Charles Price 530-934-9007

Ship To: Lab Name: 1277515
Address:
City: , CA (Zip)
Phone No.
Contact Name:

Turnaround Time
☑ NORMAL (10 days or less) ☐ RUSH ____ (Due Date & Time) ☐ OTHER, Specify ____
☐ TELEPHONE ☐ FAX Give Results to: Charles Price crp@pge.com (Name) (Ph/FAX)

Project Name: CGS
Project Supervisor (Name/Phone No.): Ed Wagner 530-934-9061
Sampled by: (Signature) [signature] (Print Name) Charles Price

Analysis Requested: pH in Chico; pH TSS SC; Oil and Grease; Iron

Sample No./ Equipment Serial No.	Sampled Date	Sampled Time	Sample Type/Description	Containers No.	Containers Size	pH in Chico	pH TSS SC	Oil and Grease	Iron						Remarks
1. Storm 1	11-19-12	0828	water	3	1L	X	X	X							
2. ~~"~~	~~"~~	~~"~~	~~water Amber~~	~~1~~	~~1L Amber~~		~~+~~								
3. ~~"~~	~~"~~	~~"~~	~~water Nitric~~	~~1~~	~~1/2L Nitric~~			~~X~~							
4.															
5.															
6.															
7.															
8.															
9.															
10.															
11.															
12.															

Relinquished by (Name&Dept.):	Date&Time:	Received by (Name&Dept.):	Date&Time:	Ship Via:
Charles Price	11-19-12 1002	ontrac	11-19-12 1700	
Relinquished by (Name&Dept.): CP	Date&Time: 11-19-12 1008	Received by (Name&Dept.):	Date&Time:	Bill of Lading/Airbill No.:
Relinquished by (Name&Dept.): CP	Date&Time: 11-19-12 1700	Received by (Name&Dept.):	Date&Time:	
SAP Accounting Data:	Billing Contact:	Billing Address:		

11/20/12 1130

Notes:
1. Samples are discarded by the laboratory 90 days after results are reported unless other arrangements are made.
2. File a copy of this Chain of Custody Record, complete with appropriate laboratory signatures, with the test analysis results.
3. The first "Relinquished by/Date" is the shipping date unless otherwise noted.
4. The final PCB results will be the cumulative results added together for each PCB.
5. When this form is computer-generated, send the completed original to the laboratory, and make copies for the originator and sampler.

Distribution (See note #5)
White: Laboratory
Canary: Originator
Pink: Sampler

 November, 1998

Chico - Condition Upon Receipt (Attach to COC)

Sample Receipt at CH:

1. Number of ice chests/packages received: OTC
2. Were samples received in a chilled condition? Temps: RRT ____ / ____ / ____ / ____
   Acceptable is above freezing to 6° C. Also acceptable is received on ice (ROI) for the same day of sampling or received at room temperature (RRT) if sampled within one hour of receipt. Client contact for temperature failures must be documented below. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received..
3. Do the number of bottles received agree with the COC? (Yes) No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) (Yes) No
5. Were sample custody seals intact? (N/A) Yes No

Sign and date the COC, place in a ziplock and put in the same ice chest as the samples.
Sample Receipt Review completed by (initials): CP

Sample Receipt at SP:

1. Were samples received in a chilled condition? Temps: 4 / ____ / ____ / ____ / ____
   Acceptable is above freezing to 6° C. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received.
2. Do the number of bottles received agree with the COC? (Yes) No N/A
3. Were samples received intact? (i.e. no broken bottles, leaks etc.) (Yes) No
4. Were sample custody seals intact? (N/A) Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? (Yes) No
2. Did bottle labels correspond with the client's ID's? (Yes) No
3. Were all bottles requiring sample preservation properly preserved? (Yes) No N/A FGL
4. VOA's Checked for Headspace? Yes No (N/A)
5. Were all analyses within holding times at time of receipt? (Yes) No
6. Have rush or project due dates been checked and accepted? (N/A) Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.
Sample Receipt, Login and Verification completed by (initials): CP

Discrepancy Documentation:

Any items above which are "No" or do not meet specific

1. Person Contacted: _____
   Initiated By: _____
   Problem:

   Resolution:

(7-10931)
Pacific Gas & Electric-Colusa Generating
CH 1277515
IV-11/20/2012-12:07:04

Attach label with lab number here

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Attachment 2

FORM 2 – QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWD'S)

2012-2013

ANNUAL REPORT

SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: 09/28/2012	Observers Name: Charles Price Title: Senior Environmental Consultant Signature:	WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? ☐ YES ☒ NO If YES, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 12/27/12	Observers Name: Charles Price Title: SR. ENV. Consultant Signature:	WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? ☐ YES ☒ NO If YES, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 03/29/13	Observers Name: Charles Price Title: SR Env Consultant Signature:	WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? ☐ YES ☑ NO If YES, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 6/18/13	Observers Name: Charles Price Title: SR Env Consultant Signature:	WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? ☐ YES ☒ NO If YES, complete reverse side of this form.

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Attachment 3

FORM 3 – QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWD'S)

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SIDE A

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: JULY-SEPT. DATE/TIME OF OBSERVATIONS 09/28/12 ☐ AM ☐ PM	Observers Name: Charles Price Title: Senior Environmental Consultant Signature:	WERE UNAUTHORIZED NSWDs OBSERVED? ☐ YES ☑ NO WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? ☐ YES ☑ NO	If YES to either question, complete reverse side.
QUARTER: OCT.-DEC. DATE/TIME OF OBSERVATIONS 12/27/12 0900 ☒ AM ☐ PM	Observers Name: Charles Price Title: Sr. Env. Consultant Signature:	WERE UNAUTHORIZED NSWDs OBSERVED? ☐ YES ☑ NO WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? ☐ YES ☑ NO	If YES to either question, complete reverse side.
QUARTER: JAN.-MARCH DATE/TIME OF OBSERVATIONS 03/28/13 0900 ☑ AM ☐ PM	Observers Name: Charles Price Title: Sr Env Consultant Signature:	WERE UNAUTHORIZED NSWDs OBSERVED? ☐ YES ☑ NO WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? ☐ YES ☑ NO	If YES to either question, complete reverse side.
QUARTER: APRIL-JUNE DATE/TIME OF OBSERVATIONS 06/18/13 0800 ☒ AM ☐ PM	Observers Name: Charles Price Title: SR Env Consultant Signature:	WERE UNAUTHORIZED NSWDs OBSERVED? ☐ YES ☒ NO WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? ☐ YES ☒ NO	If YES to either question, complete reverse side.

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Attachment 4

FORM 4 – MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

2012-2013

ANNUAL REPORT

FORM 4-MONTHLY VISUAL OBSERVATIONS OF

SIDE A

STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October ____ 2012 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 No	#2 Discharge	#3 in	#4 October
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: November 19 2012 Observers Name: Charles Price Title: Senior Environmental Consultant Signature:	Drainage Location Description	#1 Sediment Pond	#2	#3	#4
	Observation Time	0825 ☐ P.M. ☑ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☑	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: December 21 2012 Observers Name: Charles Price Title: Sr. Env. Consultant Signature:	Drainage Location Description	#1 Sediment Pond	#2	#3	#4
	Observation Time	0830 ☐ P.M. ☑ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☑	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: January 7 2013 Observers Name: Charles Price Title: Sr Env Consultant Signature:	Drainage Location Description	#1 Sediment Pond	#2	#3	#4
	Observation Time	0800 ☐ P.M. ☒ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☒	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

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FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 No	#2 Discharge in	#3 February	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: March ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 No	#2 Discharge in	#3 March	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: April ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 No	#2 Discharge	#3 in Apr.	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: May ____ 2013 Observers Name: _____ Title: _____ Signature: _____	Drainage Location Description	#1 No	#2 Discharge	#3 in	#4 May
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

2012-2013
ANNUAL REPORT

Attachment 5

FORM 5 – ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

2012-2013

ANNUAL REPORT

SIDE A

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06/18/13 **INSPECTOR NAME:** Charles Price **TITLE:** Sr. Environmental Consultant **SIGNATURE:** 

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Balance of Plant General Housekeeping	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	☐ YES ☒ NO			
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Storm Drain System (Inlets, ditches, and sediment pond)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	☐ YES ☒ NO			
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Trash Roll Off Bins/Scrap Metal Bins	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	☐ YES ☒ NO			
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	☐ YES ☒ NO			
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			If yes, to either question, complete the next two columns of this form	Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Zero Liquid Discharge System/Water Treatment Building	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?	☐ YES ☒ NO			
	ARE ADDITIONAL/REVISED BMPs NECESSARY?	☐ YES ☒ NO			

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SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 06/18/13 **INSPECTOR NAME:** Charles Price **TITLE:** Sr. Environmental Consultant **SIGNATURE:**

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Virgin Oil/Haz Material/Hazardous (Waste Storage Buildings/Oil Water Separator)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Oil Filled Equipment (Transformers/Lube Oil Systems/Boiler Feed Pumps/Air Cooled Condensor Fan Gear Boxes)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Chemical Feed Shelters (Wet Surface Air Cooler/Cycle)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Ammonia System (Ammonia Tank/Ammonia Dosing Skid)	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		

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Attachment 6

EXPLANATIONS

2012-2013 Annual SWPPP Report Explanation Documentation

E. Sampling and Analysis Results

E.1. How many storm events did you sample?

Only one discharge sample was taken at the Colusa Generating Station during 2012-2013. This is a result of the "dry" water year. The last qualifying storm event at the generating station occurred on January 7, 2013; after which, the retention pond at did not discharge again. In the future, during "dry" water years, samples will be collected from the first two qualifying event discharges to ensure this does not occur again.

E.6. Were all samples collected during the first hour of discharge?

The first qualifying storm event during the 2012-2013 season began over a weekend (November 17-18, 2012). All storm water at the Colusa Generating Station drains to a retention pond prior to discharge; and as this event occurred over a weekend, the exact time of discharge from the retention pond cannot be established. Samples were taken by the sampler upon arrival at the generating station at 08:28 Monday morning. PG&E believes that although the exact time of discharge is unknown, the collected samples are representative of the quality of storm water discharged, as the retention pond was crafted to equalize storm water inflows and holds approximately 2.5 acre feet of water before discharging.

Note: During this sampling event, the collected samples were split and sent to two separate labs for comparison and quality assurance. Both analytical reports are included in this report.

E.9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events?

Only one storm event was sampled during the 2012-2013 season. Please see the explanation for E.1.

G. Monthly Wet Season Visual Observations

G.1. Monthly visual observations of storm water discharges

In October of 2011 and February, March, April and May of 2012, insufficient precipitation occurred for the retention pond to discharge.

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 1/29/13 0930

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	small amounts of trash. I picked up	none	
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 01/29/13 0930

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 1/29/13 0930

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 01/29/13 0930

Name and Signature of Inspector(s): Charles Rice

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	some trash I picked up		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 2/28/13 1300

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	Lid open on recycle bin I shut the lid		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 2/28/13 1300

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 2/28/13 1300

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 2/28/13 13:00

Name and Signature of Inspector(s): Charles Peace

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 3/28/13 09:00

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 03/28/13 09:00

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	~~Some~~ Some Debris	had ALB pick up clean up debris out of SST	04/01/13
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	some oil stains and grease on pumps	System poses no env risk. but had ALB thoroughly clean anyway	04/3/13

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 03/28/13 09:00

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 03/28/13 0500

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Some salt around system	clean up	03/28/13
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	Good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 04/30/13 0900

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 04/3/13 0900

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 04/30/13 0900

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 04/30/13 0900

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good gray Building Had been roughly cleaned		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 05/30/13 0800

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 05/30/13 0800

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	pod		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	5 o d		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	3 o d		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	3 o d		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 05/30/13 0800

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	Good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	Good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	Good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 05/30/13 0800

Name and Signature of Inspector(s): Charles Price

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Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 6/18/13 0800

Name and Signature of Inspector(s): Charles Rice

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 6/18/13 0800

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 6/18/13 0800

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 6/18/13 0800

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: July 31, 2013

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good overall may look into replacing DI cans before Fall		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: July 31, 09:10

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good Spill kit Chemical + oil low	replace spill materials	ordered
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good water in Containment from Shower	Cond. 2335 pH 6.4 drain containment ✓	
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: July 3 2013

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	CT-1 Good CT-2 Good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 7/31/13 08:10

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good in HWSA Oil in SC in Vigh 0:1	Clean Containment	8/1/31
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	Cleanup Diapers from CT2 Station Aux transfor	Pickup My diapers	8/1/31
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	CT1 - Good CT2 - Good ST - Good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	CT1A FWP - Good CT2A FWP - good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 8/29/13 1200

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	Good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	Good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	Good		
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 08/29/13 12:00

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 08/29/13 12:00

Name and Signature of Inspector(s): Charles Rice

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 08/29/13 12:00

Name and Signature of Inspector(s): Charles Rice

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: September 24 2013 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 9/24/13 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	900 ✓		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	900 ✓		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	900 ✓		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	900 ✓		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 09/24/13 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	~~E~~ west side at fence south of access road	come up with plan to stop erosion	completed 2/14
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	~~E~~ good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection:_____

Name and Signature of Inspector(s):_____

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 10/27 - 10/30

Name and Signature of Inspector(s): _____

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 10/27, 10/30

Name and Signature of Inspector(s): _____

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	Being cleaned week of 10/28 10/31 by ALB good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 10/27 - 10/30

Name and Signature of Inspector(s): _____

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	no covers on roll off but no water inside	Tarps on hand in case of rain	
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	Still roads some fixing along west fence	Putting a Plan together	completed 2/14
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin		good	

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: Inspection occured on 10/27/13, 10/30/13 and was copied on 10/31/13

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Evidence of Spill/Leaks under flash tanks	develop a way to capture leaks. clean area	completed 11/1/13
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 11/27/13 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	Erosion around west and south side of plant	Repair Erosion	
Storm Drain System (inlets, ditches, and outfalls)	• Evidence of material entering the drainage system (stains, odors, accumulation of sediment, industrial materials, or debris). • Sediment buildup in detention basin • Evidence of sediment discharge from detention basin	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 11/27/13 0700

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	Evidence of spills on west side of ZLD	remove salt covered tank	11/28/13
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 11/27/13 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 11/27/13 0900

Name and Signature of Inspector(s): Charles Price [signature]

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	CT1 Excitation appears to have had leak at valve	make sure valve is no longer leaking - clean	[illegible] done 12/13
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	lube oil leak below STG ~~good~~	clean oil leak below STG	done 12/13
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 12/30/13 0900

Name and Signature of Inspector(s): Charles Fraser

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Cycle chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Wet surface air cooler chemical feed shelter	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Ammonia dosing skid	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Water treatment building outdoor chemical storage areas	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 12/30/13 09:00

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Virgin oil and used oil/hazardous waste modular storage buildings	• General housekeeping • Evidence of spills/ leaks • Storm drain mat, if required • Containment free of accumulated material	good		
Transformers	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		
Turbine lube oil systems	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Spill kits maintained • Containment area drain valve closed	good		
Boiler feedwater pumps	• General housekeeping • Evidence of spills/leaks • Containment fee of accumulated material • Containment area drain valve closed	good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 12/30/13 0500

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Zero liquid discharge (ZLD) system	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	needs cleaning Salt on Concrete		cleaned by ALS 2nd week of January
Aqueous ammonia storage tank	• General housekeeping • Evidence of spills/leaks • Spill kits maintained • Containment area drain valve closed • Containment fee of accumulated material	good		
Air cooled condenser	• Evidence of oil spills/leaks from gear boxes	good		
Oil/water separator	• General housekeeping • Evidence of spills/leaks	Good		

PG&E Colusa Generating Station

Monthly Storm Water Inspection Sheet

Date and Time of Inspection: 12/30/13 0900

Name and Signature of Inspector(s): Charles Price

When complete, form should be submitted to the Senior Environmental Consultant for assignment and follow-up on corrective actions. When complete, forms should be filed in Appendix K of the SWPPP

Area Inspected	Items to Inspect	Observations/ Notes	Corrective Actions Required/Responsible Party	Date Corrective Action Completed (Complete within 14 days of assignment)
Trash roll-off bins, scrap metal bins, dumpsters or rolloff containers	• Good housekeeping • Lids or covers in place • Evidence of liquid leaking from bin • Appropriate materials placed in dumpster • Adequate capacity	good		
General housekeeping	• Accumulations of trash, debris, or sediment with the potential to enter storm drains? • No cars or trucks leaking automotive fluids. • No automotive fluid accumulations in parking areas. • Appropriate stormwater controls exercised at construction areas involving earth disturbances or stockpiling of bulk materials.	good		
Erosion Control	• Erosion or grade deterioration observed? • Sediment accumulation in catch basins, storm drains, or gutters.	still needs some improvement around the southwest portion of fence		completed 2/28/14

Appendix 5, Soil & Water -7

Per Soil &Water 7 the following is required: "the project owner shall submit any related monitoring required by the agreement to the CPM in the annual compliance report. The project owner shall submit any notice of violations from the Glenn Colusa Irrigation District to the CPM within 10 days of receipt and fully explain the corrective actions taken in the next annual compliance report."

There are no reporting or monitoring requirements in the water agreement with the Glenn Colusa Irrigation District. All readings are taken on a monthly basis by GCID staff from a meter they required us to install.

No notice of violations issued by GCID in the 2013 reporting year.

Appendix 6, Soil & Water -8

Per Soil &Water 8 the following is required: "the project owner shall submit a water use summary to the CPM in the annual compliance report. The report shall distinguish the recorded water uses for industrial, landscape irrigation, and potable and sanitary purposes. The project owner shall provide a report on the servicing, testing, and calibration of the metering devices in the annual compliance report."

The records of water use for Industrial, Sanitation and Irrigation water used at the Colusa Generating Station for 2013 are being submitted here as required.

There are no servicing, testing or calibration requirements per the Operations and Maintenance Manuals of the Meters.

CEC-1304 Schedule 3 Part A (page 1)
Annual Water Supply and Use, and Wastewater Discharge Report

Year	2013
CEC Plant ID	06-AFC-9
EIA Plant ID	

Section 1. Power Plant Water Supply

1a	Primary Water Supply Source	Agricultural Canal	1e	Backup Water Supply Source	N/A
1b	Name of Primary Water Purveyor, Wastewater Supplier, or Well ID(s)	Tehama Colusa Canal Authority/Glen Colusa Irrigation District	1f	Name of Backup Water Purveyor, Wastewater Supplier, or Well ID(s)	N/A
1c	Primary Water Supply Average Total Dissolved Solids (mg/l)	90	1g	Backup Water Supply Average Total Dissolved Solids (mg/l)	N/A
1d	Regional Water Quality Control Board	Central Valley Regional Water Quality Control Board			

Section 2. Power Plant Water Use

2a ☐ *Check this box if water use at the power plant is not metered and cannot reasonably estimated.*

2b

Volume of Water Required (in gallons)	☐ Sanitation	☐ Landscaping	☑ Solar Mirror Washing	☑ Dust Suppression	☐ Other Water Use	☑ Daily Maximum	
	Check the boxes below if the categorized water use is not metered and cannot reasonably be estimated or is not applicable.						
January	3,971				**93,784**		
Febraury	3,832				**3,832**		
March	4,488	2277.5			**899,102**		
April	2,148	4400			**2,062,609**		
May	12,049	5273			**7,333,886**		
June	10,818	3915			**1,930,600**		
July	23,722	7767			**7,811,755**		
August	14,646	4550			2,845,038		
September	10,187	2705			3,356,412		
October	6,248				1,394,913		
November	7,335				1,305,846		
December	5,410				3,155,349		

2c	Metering Frequency	Recorded Monthly	Metering Technology	Inline analog meters

Section 3. Power Plant Wastewater Disposal

3a ☐ *Check box if wastewater is not metered and cannot reasonably estimated.*

3b	Wastewater Disposal Method	Zero Liquid Discharge/Septic System
3c	Average Total Dissolved Solids (mg/l)	N/A
3d	Equipment Manufacturer	Aquatech
3e	Year of Installation	2010
3f	Waste Reduction Equipment or Measures Taken	Zero Liquid Discharge
3g	Name of the Facility or Water Body Receiving the Wastewater	N/A
3h	**Notes: Process waste water is ran through a crystallizer that removes the solids and vaporiz**	

3i

Volume of Discharged Waste (in gallons)	Daily Maximum	Monthly Total
January	N/A	
Febraury	N/A	
March	N/A	
April	N/A	
May	N/A	
June	N/A	
July	N/A	
August	N/A	
September	N/A	
October	N/A	
November	N/A	
December	N/A	N/A

Declaration

Person submitting the Report:

Charles Price
Senior Environment Consultant
Pacific Gas and Electric Company
4780 Dirks Road
Street Address 2
Maxwell, CA 95955
530-934-9007
530-934-9024
crpf@pge.com

Company responsible for submitting the Report:

Pacific Gas and Electric Company
4780 Dirks Road
Street Address 2
Maxwell, CA 95955
530-934-9007
530-934-9024
crpf@pge.com

Reporting Period: 2013

I certify under the penalty of perjury of the laws of the State of California that I am authorized by Pacific Gas and Electric Company to submit the enclosed report. This report fulfills the requirement for CCR, Title 20, Division 2, Section 1304. The matters contained in this report are, to the best of my knowledge and belief and based on diligent investigation, true, accurate, complete and in compliance with these regulations.

Charles Price, Senior Environment Consultant

February 12, 2013
Date

Signed declaration to be submitted to: California Energy Commission

1. via email to QFERGEN@energy.state.ca.us as a PDF attachment or;
2. via fascimile to (916) 654-4559 or;
3. via US postal mail to 1516 Ninth Street, MS-20, Sacramento CA 95814

Appendix 7, Soil & Water - 9

Per Soil &Water 9, in regards to the Septic System, the following is required: "Any testing results or correspondence exchanged between the project owner and the California Department of Health Services or the Colusa County Environmental Health Division."

There is no testing required for the Septic System at the Colusa Generating Station and there was no formal correspondence with the Colusa County Department of Environmental Health. In 2012 we signed a maintenance contract with Hydrotec Solutions Inc., to provide quarterly maintenance of our septic system in accordance with our O&M manual. This company was recommended to us by the Colusa County Department of Environmental Health. They began their quarterly maintenance in the third quarter of 2012 and have continued thought the present.

Attached is their contract and their reports for 2013.

Contract (Short Form)

This is a Contract between the below named Contractor ("Contractor"), a California corporation, and Pacific Gas and Electric Company ("PG&E"), a California corporation with its headquarters located at 77 Beale Street, San Francisco, California 94105.

Contractor's Legal Name:	HYDROTEC SOLUTIONS, INC.	**PG&E Contract No. 3500942748**
Contractor's Address:	PO Box 7098 Chico, CA 95927	**This Contract consists of 9 pages**.

Project Name: Septic System Maintenance

Job Location: Colusa Generating Station, Maxwell, CA

WORK: Contractor shall, at its own risk and expense, perform the Work described in this Contract and furnish all labor, equipment, and materials necessary to complete the Work as summarized below and as more fully described in Attachment 2, Scope of Work. This is not an exclusive Contract. This Contract does not guarantee Contractor any Work nor is there any guarantee as to any volume or duration of Work.

Four times per year maintenance of septic system at the Colusa Generating Station.

Any letters, drawings, specifications, or other material attached hereto or referred to herein, as well as the terms and conditions printed on Pages 3 and 6 hereof, shall be deemed a part of this contract. In cases where PG&E's General Conditions are attached, the provisions thereof shall prevail over those incorporated in this contract, in case of conflict.

ATTACHMENTS: Each of the following documents is attached to this Contract and incorporated herein by this reference:

Attachment 1: Short Form Terms and Conditions, Pages 3-5.

Attachment 2: Scope of Work, Pages 8-9

CONTRACT TERM:	This Contract is effective upon signature by both parties and expires on 6/30/2015**.**
COMPLETION:	Contractor shall commence performance hereof when directed to do so by PG&E. Work shall be completed by the completion date of 6/30/2015. Time is of the essence.
INSURANCE:	Contractor shall maintain insurance in accordance with the Insurance Requirements in Attachment 1, Short Form Terms and Conditions.
TERMS OF PAYMENT:	In accordance with the Payments provision of Attachment 1, Short Form Terms and Conditions.

CONSIDERATION: As full consideration for satisfactory performance of the Work by Contractor, PG&E's total obligation to Contractor shall not exceed the following amount. This amount is exclusive of all taxes incurred in the performance of the Work. Any change to this amount shall only be authorized in writing by a PG&E Contract Change Order, fully executed by both PG&E and Contractor.

TOTAL: **$ 4,020.00**

THE PARTIES, BY SIGNATURE OF THEIR AUTHORIZED REPRESENTATIVES, HEREBY AGREE TO THE TERMS OF THIS CONTRACT.

PACIFIC GAS AND ELECTRIC COMPANY		**CONTRACTOR: HYDROTECH SOLUTIONS, INC.**	
Signature		**Signature**	
Name	Laurie Ellison	**Name**	
Title	Procurement Specialist	**Title**	
Date		**Date**	

ADMINISTRATION			
PG&E Negotiator	Laurie Ellison	**Contractor Representative**	Patrice Sorenson
Phone	(805) 748-3937; (530) 896-4225	**Phone**	(530) 891-4420
Email	LNB5@pge.com	**Email**	hydrotec@gmail.com

Accounting Reference	PR 12329873	
PG&E Work Supervisor:	Charles Price	**Phone:** (530) 934-9007
INVOICE INSTRUCTIONS: Contractor shall send invoices for each payment when due, showing the Contract number, to: PACIFIC GAS AND ELECTRIC COMPANY	**Send ORIGINAL Invoice to:**	PG&E Accounts Payable* PO Box 7760 San Francisco, CA 94120-7760
	Send COPY of Invoice to:	Michelle Benjamin PG&E – Colusa Generating Station PO Box 398, Maxwell, CA 95955 Email: MLBH@pge.com
	For information regarding invoice status, call PG&E's Paid Help Line at (800) 756-PAID (7243) or go to AP Web Reporting site at www.pge.com/actpay. *__Note__: Contractors using the XIGN System should not mail a copy of the invoice to PG&E Accounts Payable.	

INTERNAL PG&E USE ONLY		
Distribution Date		
Distribution of Copies	☐ SRM Contracts ("25" series): Buyer uploads an executed copy in SRM. Retain an executed copy in the local PG&E contract file. ☐ SAP Contracts ("35" series): Send an executed copy to Document Services, Mail Code N5D, 245 Market St., S. F. (If buyer has access in SAP to upload documents, then it is not necessary to send a copy to Document Services.)	☒ Contractor: Send an executed copy to the contractor.
	☒ Work Supervisor Charles Price	☐ Manager
	☐ Invoice Approver	☐ Supervisor
	☐ V.P.	☒ Sourcing/ Purchasing Laurie Ellison
	☐ Director	☐ Law
	☐ Other	☐ Other
	☐ Other	☐ Other

Contract – Short Form
Attachment 1
Short Form Terms and Conditions

1. INDEPENDENT CONTRACTOR. Contractor is an independent contractor, and all persons hired by Contractor in connection with this Contract shall be employees or subcontractors of Contractor and shall not be construed as employees or agents of PG&E in any respect.

2. NON EXCLUSIVITY. THIS IS NOT AN EXCLUSIVE CONTRACT. THIS CONTRACT DOES NOT GUARANTEE CONTRACTOR ANY VOLUME OR DURATION OF WORK.

3. AMENDMENTS; NON-WAIVER. No modification or change to this Contract, or waiver of any breach or default, shall be binding or effective unless expressly set forth in writing by Change Order signed by the authorized representative of each Party. Waiver by either Party of any breach or default shall not be deemed to be a waiver of any other breach or default of the same or any other requirement, nor shall any waiver of an incident of breach or default constitute a continuing waiver of the same.

4. SUBCONTRACTS. Contractor shall not enter into subcontracts ("Subcontracts") without the prior written approval of PG&E. PG&E's approval of any Subcontract shall not relieve Contractor of its obligations to PG&E under this Contract. The provisions and obligations of this Contract shall apply to any Subcontract and Contractor shall be responsible to PG&E for any damages to PG&E arising out of Subcontracts not in accordance with this Contract. Nothing in this Contract shall create any contractual relations between a Subcontractor and PG&E.

5. BILLING AND PAYMENT.

5.1 Billing. (a) Time and Materials: Contractor shall submit invoices monthly for time and materials work according to the billing rates in the Contract. **(b) Lump Sum and Unit Price Work:** Contractor shall submit an invoice upon completion and final acceptance by PG&E of all lump sum and unit price Work.

5.2 Expenses. All reimbursable expenses shall be reasonable, ordinary, and necessary and shall be billed to PG&E at cost to Contractor. All air travel costs within or outside of the United States will be reimbursed only on a coach fare basis and all rental car costs will be reimbursed only on a subcompact rate basis. All other reimbursable mileage shall be at the current IRS rate.

5.3 Payment. Subject to PG&E invoice approval, payment will be discounted 2 percent of the invoice total amount for payments made to Contractor within fifteen (15) days, otherwise, payment term is Net forty-five (45) days after receipt of a correct invoice. PG&E may withhold from the payment any agreed withholding until satisfactory completion of all the Work, or which in PG&E's reasonable opinion is necessary to provide security against all loss, damage, expense and liability covered by the indemnity provision. PG&E will notify Contractor of any invoice deficiencies or will return the invoice to Contractor with the deficiencies noted. Contractor shall provide to PG&E such documents or information correcting such deficiencies, or for invoices returned to Contractor, Contractor shall resubmit a corrected invoice.

5.4 Final Invoice. The final invoice shall be marked "FINAL" and must be received by PG&E within sixty (60) calendar days after completion of the Work. PG&E will not be liable for payment of any late invoices that are received by PG&E beyond such 60 day period.

5.5 Withholding. PG&E may withhold from the final payment due Contractor hereunder such amounts as, in PG&E opinion, are reasonably necessary to provide security against all loss, damage, expense and liability covered by the indemnity provision.

5.6 Delinquent Accounts. PG&E may retain from any payments due hereunder sufficient funds to discharge any delinquent accounts of Contractor for which liens on PG&E's property have been or can be filed, and PG&E may at any time pay therefrom, for Contractor's account, such amounts as are admittedly due thereon.

6. ADDITIONAL WORK OR CHANGES IN WORK.

6.1 Procedure For Additional Work. Before proceeding with any work involving possible claims for extra compensation not specified in the Contract, Contractor shall submit in writing to PG&E a detailed estimate of the cost for such proposed work, including extensions and Change Orders, as follows:

(a) Description of work to be performed, including detailed breakdown by identifiable tasks,
(b) Estimated cost of each task, and
(c) Expected date of completion of each task.

6.2 PG&E Approval Needed For Additional Work. Contractor shall not proceed with any work not authorized in the Contract without first receiving specific written authorization or a Change Order signed by PG&E. CONTRACTOR AGREES THAT ALL COSTS FOR ANY SUCH MODIFICATION OR CHANGE PERFORMED BY CONTRACTOR WITHOUT THE PRIOR WRITTEN APPROVAL OF PG&E'S REPRESENTATIVE AUTHORIZED TO APPROVE SUCH CHANGE SHALL BE AT CONTRACTOR'S SOLE RISK AND EXPENSE.

6.3 PG&E Changes To Work. PG&E reserves the right to make such changes in Work, specifications, or level of effort as may be necessary or desirable, and any difference in Contract price resulting from such changes shall be approved in writing by PG&E before the Work is begun.

7. SAFETY.

7.1 Performance of Work: Contractor shall plan and conduct the Work to safeguard adequately all persons and property from injury. Contractor shall direct the performance of the Work in compliance with reasonable safety regulations and work practices and with all applicable Federal, State and local laws, rules and regulations, including, but not limited to, "occupational safety and health standards" promulgated by the U.S. Secretary of Labor and safety orders of the California Division of Industrial Safety. PG&E may require Contractor to observe reasonable safety precautions in addition to those in use or proposed by Contractor. Neither the giving of such special instructions by PG&E nor the adherence thereto by Contractor shall relieve Contractor of its sole responsibility to maintain safe and efficient working conditions.

7.2 Injury and Illness Prevention Program: In performing the Work under this Contract, Contractor acknowledges that it has an effective Injury and Illness Prevention Program which meets the requirements of all applicable laws and regulations, including but not limited to Section 6401.7 of the California Labor Code. Contractor shall ensure that any Subcontractor hired by Contractor to perform any portion of the Work under this Contract shall also have an effective Injury and Illness Prevention Program. If the Contractor has any

employees in California, even if those employees do not perform Work under this Contract, the attached Compliance Certificate (Exhibit 1) shall be executed by the person with the authority and responsibility for implementing and administering such Injury and Illness and Prevention Program.

7.3. Hazardous Materials Warning. The California Health and Safety Code requires businesses to provide warnings prior to exposing individuals to materials listed by the Governor as chemicals "known to the State of California to cause cancer, birth defects or reproductive harm." PG&E uses chemicals on the Governor's list at many of its facilities. In addition, many of these chemicals are present at non-PG&E-owned facilities and locations. Accordingly, in performing the Work or services contemplated under this Contract, Contractor, its employees, agents, and Subcontractors may be exposed to chemicals on the Governor's list. Contractor is responsible for notifying its employees, agents, and Subcontractors that Work performed hereunder may result in exposures to chemicals on the Governor's list.

8. WORKMANSHIP. In addition to the warranties implied in fact or in law, Contractor warrants that it will perform the Work with the degree of skill and care required by currently prevailing best industry practices. The equipment, material and parts furnished by Contractor, whether or not manufactured by Contractor, shall be of the kind and quality described in the Contract, free of defects in workmanship, material, design, and title, shall be of good and merchantable quality, and shall be fit for its intended purpose. Contractor shall repair or replace at its expense any part of the Work that develops defects due to faulty material or workmanship within a period of one year after being placed in operation by PG&E. Contractor shall at its expense repair or replace other work or equipment damaged as the result of the defects, or as a result of the repairing thereof, and hold PG&E harmless from repair expenses. Neither acceptance of the Work by PG&E nor payment therefore shall relieve Contractor from liability under the indemnity or any of the guarantees contained in or implied by this Contract.

9. TERMINATION OR CANCELLATION OF CONTRACT. PG&E may suspend, terminate, or cancel the Contract upon written notice to Contractor. PG&E shall be liable to Contractor only for the compensation earned on the Work performed to the date of termination or cancellation. Contractor shall not be entitled to any payment for lost or anticipated profits or overhead on uncompleted portions of the Work. Any reports, drawings or other documents prepared for PG&E prior to the effective date of such termination or cancellation shall be delivered to PG&E by Contractor prior to PG&E's release of its final payment to Contractor.

10. INFRINGEMENT PROTECTION. All royalties or other charges for any patent, trademark, or copyright to be used in the Work shall be considered as included in the Contract price. Contractor shall indemnify PG&E against all loss, damage, expense, and liability arising out of the infringement or alleged infringement of any patent, trademark, copyright or other intellectual property right by the equipment, material and parts furnished by Contractor.

11. INDEMNIFICATION. Contractor shall indemnify PG&E, its directors, officers, agents, and employees, against all loss, damage, expense and liability resulting from injury to or death of person, including, but not limited to, employees of PG&E or Contractor, or injury to property, including, but not limited to, property of PG&E or Contractor, arising out of or in any way connected with the performance of this contract, however caused, regardless of any negligence of PG&E, whether active or passive, excepting only such injury or death or property damage as may be caused by the sole negligence or willful misconduct of PG&E. Contractor shall, on PG&E's request, defend any suit asserting a claim covered by this indemnity. Contractor shall pay all costs that may be incurred by PG&E in enforcing this indemnity, including reasonable attorney's fees.

12. TAX WITHHOLDING. Contractor represents and warrants that it will withhold all taxes, if any, which are required to be withheld under applicable law with respect to payments to persons hired by Contractor who perform services for PG&E. Contractor shall indemnify and hold PG&E harmless, on an after-tax basis, for any liability incurred by PG&E as a result of Contractor's failure to institute any such required withholding.

13. INCIDENTAL AND CONSEQUENTIAL DAMAGES. PG&E SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF REVENUES OR PROFITS, COMMITMENTS TO SUBCONTRACTORS, RENTAL OR LEASE AGREEMENTS, AND PERSONAL SERVICE CONTRACTS, UNLESS EXPRESSLY AUTHORIZED IN WRITING BY PG&E.

14. INSURANCE. Contractor shall maintain the following insurance coverage. Contractor is also responsible for its Subcontractors maintaining sufficient limits of the same coverage.

14.1 Workers' Compensation and Employers' Liability. Workers' Compensation insurance complying with any applicable labor codes, acts, laws or statutes, state or federal, where Contractor performs work. Employers' Liability insurance shall not be less than $1,000,000 for injury or death each accident.

14.2 Commercial General Liability: (a) Coverage shall be at least as broad as the Insurance Services Office (ISO) Commercial General Liability Coverage occurrence form, with no coverage deletions. The limit shall not be less than $1,000,000 each occurrence for bodily injury, property damage and personal injury. If coverage is subject to a general aggregate limit, this aggregate limit shall be twice the occurrence limit. **(b)** Coverage shall: (1) By "Additional Insured" endorsement add as insureds PG&E, its directors, officers, agents and employees with respect to liability arising out of work performed by or for the Contractor; and (2) Be endorsed to specify that the Contractor's insurance is primary and that any insurance or self-insurance maintained by PG&E shall not contribute with it.

14.3 Business Auto. Coverage shall be at least as broad as the Insurance Services Office (ISO) Business Auto Coverage form covering Automobile liability, code 1 "any auto." The limit shall not be less than $1,000,000 each accident for bodily injury and property damage.

14.4 Insurance Documentation Requirements. (a) Before it can begin the Work, Contractor must first provide PG&E with certificates of insurance and endorsements of all required insurance; (**b**) Should any of the above described policies be cancelled before the expiration date thereof, the insurer shall deliver notification to PG&E in accordance with the policy provisions; **(c)** PG&E uses a third party vendor, Exigis, to confirm and collect insurance documents. Vendor and broker will be required to register as "service provider." Certificates of insurance and endorsements shall be signed and submitted by a person authorized by that insurer to bind coverage on its behalf, and submitted through the Exigis website at: https://prod1.exigis.com/pge, Helpline: 1 (888) 280-0178, Certificate Holder: Pacific Gas and Electric Company, c/o Exigis, https://prod1.exigis.com/pge; **(d)** PG&E may inspect the original policies or require complete certified copies, at any time; and **(e)** Upon request, Contractor shall furnish PG&E the same evidence of insurance for its Subcontractors as PG&E requires of Contractor.

15. ASSIGNMENT. PG&E may assign this Contract, in whole or in part, or its rights and obligations hereunder, directly or indirectly, by operation of law or otherwise, without the Contractor's prior written consent, provided PG&E remains obligated for payments unless otherwise agreed by Contractor. Contractor may not assign this Contract, in whole or in part, or its rights and obligations hereunder, directly or indirectly, by operation of law or otherwise without PG&E's prior written consent, except that Contractor may assign to

Contractor's corporate affiliate in which Contractor holds a majority interest, provided that both the Contractor and its affiliate remain obligated under this Contract. Subject to the foregoing, this Contract shall be binding upon and inure to the benefit of the successors and assigns of the Parties hereto.

16. PG&E'S SUPPLIER DIVERSITY

16.1 PG&E'S POLICY: It is PG&E's policy that Women, Minority, and Disabled Veteran Business Enterprises (WMDVBEs) shall have the maximum practicable opportunity to participate in providing the products and services it purchases.

16.1.1 For all Contracts, the Contractor agrees to comply, and to require all Subcontractors and sub-subcontractors to comply, with PG&E's Supplier Diversity Policy, as set forth in Exhibit 1 hereto. The Contractor shall provide to each prospective Subcontractor a copy of Exhibit 1.

16.1.2 In addition, for Contracts exceeding $500,000 (or $1 million for construction contracts), the Contractor must comply with the Policy Regarding Utilization of Small Business Concerns and Small Disadvantaged Business concerns, as described in Exhibit 2 hereto. The Subcontracting Plan for these contracts must include provisions for implementing the terms prescribed in Exhibit 2.

16.1.2.1 Small Business, and Small Disadvantaged Business Subcontracting Plans are not required for small business contractors, personal service contracts, contracts that will be performed entirely outside of the United States and its territories, or modifications to existing contracts which do not contain subcontracting potential.

16.1.3 For all contracts, the Contractor shall act in accordance with the Subcontracting Plan in the performance of the Work and in the award of all Subcontracts.

16.1.4 All Bidders must describe with their submission how they will comply with the mandatory requirements of Exhibit 1. The requirements of Exhibit 1 and the successful Bidder's response will be incorporated into the Contract.

16.1.5 Each proposal will be evaluated using a formula of weighted and defined criteria including the strength of its proposed compliance with PG&E's Supplier Diversity Policy.

17. BUSINESS ETHICS AND AVAILABILITY OF INFORMATION.

17.1 Conflict of Interest and Business Ethics.
(a) Contractor shall not offer, or cause to be offered, gifts, entertainment, payments, loans, services, benefits, or any other consideration of more than a nominal value to PG&E's employees, their families, vendors, subcontractors, or third parties. **(b)** Contractor shall exercise reasonable care and diligence to prevent any actions or conditions which could result in a conflict with PG&E's interest.

17.2 Availability of Information: PG&E's authorized representatives shall have access at reasonable times to all of the Contractor's and Subcontractors' personnel and records during the term of the Contract and for three years thereafter for the purpose of verifying the quantity and quality of work, reimbursable costs, accuracy of billings, and compliance with the Conflict of Interest and Business Ethics clause. Contractor shall promptly submit payment, including accrued interest, for any inaccuracies disclosed in such audit. Contractor shall include the requirements of this Article 16 in any Subcontracts. Except for the review for compliance with the Conflict of Interest and Business Ethics clause, this paragraph shall not apply to contracts performed solely on a lump-sum or fixed unit rate basis. .

18. COMPLIANCE WITH LAWS.

18.1 In performing the Work, Contractor shall comply with all applicable Federal, State and local laws, rules and regulations, and shall obtain all applicable licenses and permits for the conduct of its business and the performance of the Work.

18.2 In accordance with Section 7912 of the California Public Utilities Code, Contractor agrees to report annually to PG&E the number of California residents employed by Contractor, calculated on a full-time or full-time equivalent basis, who are personally providing services to PG&E.

19. CHOICE OF LAWS. This Contract shall be construed and interpreted in accordance with the laws of the State of California, excluding any choice of law rules which may direct the application of the laws of another jurisdiction.

20. SEVERABILITY. If any provision of this Contract is determined to be illegal, unenforceable, or invalid in whole or in part, such provision or part thereof shall be stricken from this Contract and shall not affect the legality, enforceability or validity of the remainder of this Contract. If any provision or part thereof of this Contract is stricken in accordance with the provisions of this Article, it shall be replaced, to the extent possible, with a legal, enforceable, and valid provision that is as similar in intent to the stricken provision as is legally possible.

21. SURVIVAL. The provisions of this Contract which by their nature should survive expiration, cancellation or other termination of this Contract, including but not limited to provisions regarding warranty, indemnity, confidentiality and availability of information, shall survive such expiration, cancellation or other termination.

22. ENTIRE AGREEMENT. This Contract constitutes the entire agreement and understanding between Contractor and PG&E as to the subject matter of the Contract and supersedes all prior or contemporaneous agreements, commitments, representations, writings, and discussions, whether oral or written.

EXHIBIT 1

POLICY REGARDING UTILIZATION OF SMALL BUSINESS CONCERNS AND SMALL DISADVANTAGED BUSINESS CONCERNS

The following policy of the United States shall be adhered to in the performance of this Contract:

a) It is the policy of the United States that small business concerns and small business concerns owned and controlled by socially and economically disadvantaged individuals shall have the maximum practicable opportunity to participate in performing contracts let by any Federal Agency, including contracts and subcontracts for subsystems, assemblies, components, and related services for major systems. It is further the policy of the United States that prime contractors establish procedures to ensure the timely payment of amounts due pursuant to the terms of their subcontracts with small business concerns and small business concerns owned and controlled by socially and economically disadvantaged individuals.

b) Consultant hereby agrees to carry out this policy in the awarding of subcontracts to the fullest extent consistent with efficient contract performance. Consultant further agrees to cooperate in any studies or surveys as may be conducted by the United States Small Business Administration or the awarding agency of the United States as may be necessary to determine the extent of Consultant's compliance with this clause.

c) As used in this Contract, the term "small business concern" shall mean a small business as defined in Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto. The term "small business concern owned and controlled by socially and economically disadvantaged individuals" shall mean a small business concern (1) which is at least 51 percent unconditionally owned by one or more socially and economically disadvantaged individuals; or, in the case of any publicly owned business, at least 51 percent of the stock of which is unconditionally owned by one or more socially and economically disadvantaged individuals; and (2) whose management and daily business operations are controlled by one or more of such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one of these entities which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian Organization, and which meets the requirement of 13 CFR Part 124. Consultant shall presume that socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, Subcontinent Asian Americans, and other minorities, or any other individual found to be disadvantaged by the Administration pursuant to Section 8(a) of the Small Business Act. Consultant shall presume that socially and economically disadvantaged entities also include Indian Tribes and Native Hawaiian Organizations.

d) Consultant acting in good faith may rely on written representations by its subcontractors regarding their status as either a small business concern or a small business concern owned and controlled by socially and economically disadvantaged individuals.[1]

[1] Notwithstanding this provision of the federal statute, all WMDVBE subcontractors must be verified pursuant to the procedures prescribed in Section 2 of CPUC General Order 156, as such procedures may be amended periodically.

Attachment 2
SCOPE OF WORK

I. Work Scope

Hydrotec Solutions, Inc. ("Hydrotec") shall perform regular preventive maintenance on the septic system at the Colusa Generating Station. Each year of this contract term, Hydrotec shall make four (4) scheduled maintenance visits to perform the following work:

- Bio-lube Filter Maintenance ($120 per visit)
- Inspect Piezometers, Measure Scum and Sludge Levels, Read Control Panel ($60 per visit)
- Compile Maintenance Report and provide to PG&E ($35 per visit)

II. Pricing

Total cost per year for above work scope is $1,340, which shall be invoiced at $111.67 per month, as outlined in Hydrotec Proposal. Price includes 2 hours of travel time per visit ($120 per visit). Term of the contract is three (3) years.

III. Mandatory Safety Requirements at PG&E Work Sites

1. Electrically Energized Facility: Work shall be performed within electrically energized facilities, which warrants extreme caution while working around electrical equipment and power lines. Contractor shall take all precautions to protect its employees and subcontractors from contact with energized equipment and to prevent damage to existing site facilities. Contractor shall not enter an electrically energized facility without an authorized PG&E representative being continually present to observe all phases of work.

2. Personal Protective Equipment: All persons shall wear safety glasses, hard hats and other personal protective equipment necessary to perform their work. Frontal eye protection and hard hats shall be worn at all times. Frontal eye protection may be in the form of safety glasses or prescription eyewear, but in either case must meet the ANSI Z87.1-1989 standard.

3. Flame Resistant Clothing Requirements:

    a. Contractor shall ensure that all Contractors' personnel wear flame resistant clothing as defined by the American Society for Testing and Materials standard TM F1506-02a, "Standard Performance Specification for Textile Materials for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards" under any of the following conditions:
        i. Contractor's personnel are subject to contact with energized circuit parts operating at more than 600 volts,
        ii. Contractor personnel's clothing could be ignited by flammable material in the work area that could be ignited by an electric arc, or
        iii. Contractor personnel's clothing could be ignited by molten metal or electric arcs from faulted conductors in the work area.

    b. Contractor shall ensure that that Contractor's personnel wear flame resistant clothing that has an arc rating greater than or equal to the available heat energy and ensure that personnel wear clothing that could not melt or ignite and continue to burn in the presence of electric arcs to which personnel could be exposed as required by the National Electric Safety Code (NESC-IEEE C2-2007). All garments shall have tags visible from the outside that clearly identifies the garment as Flame Resistant (FR) and clearly indicates the arc rating (HRC category) of the garment. All garments shall have a minimum rating of HRC 2.

c. All Contractor's personnel requiring access to PG&E Station facilities or PG&E Power Generation Facilities shall be required, at a minimum, to wear flame resistant clothing (long sleeve shirts, long pants or coverall as required) rated HRC 2 with a minimum rating of 8 cal/cm2 for personal protection as required by the PG&E Arc Flash Hazard Control Procedure (SHC 237).

4. Fall Protection: Contractor shall provide and use Cal OSHA-approved harnesses and lanyards, lifelines or other adequate protection as required when working in elevated positions.

5. Clearances: Contractor shall perform work within clearance points determined and tagged by the PG&E site representative. PG&E will lock out / tag out the unit controls when Contractor arrives on site.

6. Pre-Job Briefing: Work shall not commence until the PG&E site representative and the Contractor have discussed safety and work-related subject matter pertaining to the project.

PGE Colusa Generating Station

4TH QTR., 2013 REPORT

COMPLETED: **12/11/13**

PGE Colusa Generating Station

Hydrotec Solutions, Inc.
P.O. Box 7908
Chico, CA 95927
(530) 891-4420

2013 PG&E Colusa Generating Station

Date	# days	STEP Tank EC	Net Cycles	ADC	STEP Tank Pump 2: ETM	Net Run Time	ADRT
11/29/12	98	570	199.00	2.03	3107.03	1090.44	11.13
2/21/13	84	754	184.00	2.19	4109.15	1002.12	11.93
5/23/13	91	962	208.00	2.29	5229.44	1120.29	12.31
8/22/13	91	1202	240.00	2.64	6229.03	999.59	10.98
12/11/13	111	1479	277.00	2.50	7715.50	1486.47	13.39

KEY:	
ADC	Ave. Daily Cycle
ADRT	Ave. Daily Run Time
EC	Event Counter
ETM	Elapsed Time Meter
NET	Month Total

PGE Colusa Generating Station

Hydrotec Solutions, Inc.
P.O. Box 7908
Chico, CA 95927
(530) 891-4420

PIEZOMETER MEASUREMENTS

2/21/13	**TOTAL DEPTH**	**DEPTH TO H2O**
Piez #1	2.56'	1.75'
Piez #2	2.60'	1.44'
Piez #3	2.82'	1.57'

5/23/13	TOTAL DEPTH	DEPTH TO H2O
Piez #1	2.56'	1.62'
Piez #2	2.60'	1.76'
Piez #3	2.82'	1.80'

8/22/13	**TOTAL DEPTH**	**DEPTH TO H2O**
Piez #1	2.56'	DRY
Piez #2	2.60'	DRY
Piez #3	2.82'	1.77'

12/11/13	**TOTAL DEPTH**	**DEPTH TO H2O**
Piez #1	**2.56'**	**DRY**
Piez #2	**2.60'**	**DRY**
Piez #3	**2.82'**	**.87'**

PGE Colusa Generating Station

Hydrotec Solutions, Inc.
P.O. Box 7908
Chico, CA 95927
(530) 891-4420

SCUM & SLUDGE MEASUREMENTS

2/21/13

	SEPTIC		DOSING	
	INLET	OUTLET	INLET	OUTLET
SCUM	3"	0"	0"	3"
SLUDGE	5"	4"	0"	1"

5/23/13

	SEPTIC		DOSING	
	INLET	OUTLET	INLET	OUTLET
SCUM	2"	0"	0"	4"
SLUDGE	5"	8"	0"	3"

8/22/13

	SEPTIC		DOSING	
	INLET	OUTLET	INLET	OUTLET
SCUM	2"	0"	0"	5"
SLUDGE	8"	16"	0"	3"

12/11/13

	SEPTIC		DOSING	
	INLET	OUTLET	INLET	OUTLET
SCUM	2"	0"	0"	1"
SLUDGE	7"	8"	0"	1"

Appendix 8, TLSN-3

Per TLSN-3, the following is required: "Any reports of line-related complaints shall be summarized along with related mitigation measures for the first five years and provided in an annual report to the CPM."

There have been no line related complaints.

Appendix 9, VIS-1

Per VIS-1, the following is required: "The project owner shall provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a): the condition of the surfaces of all structures and buildings at the end of the reporting year; b) major maintenance activities that occurred during the reporting year; and c) the schedule of major maintenance activities for the next year.

Surface coating applications for the most part remain in excellent condition after their completion in March 2011, as a result no maintenance activities occurred in 2013.

There is a possibility that some touch up painting may occur on the steam turbine duct where some heat issues effected the coatings. This is in an area that is not visible to the public.

Appendix 10, VIS-3

Per VIS-3, the following is required: "The project owner shall report landscape maintenance activities, including of dead or dying vegetation, for the previous year of operation in each annual compliance report."

With the new irrigation system installed and with vegetation becoming further established the survival rate was significantly greater than the previous year with the few dead trees being replaced in mid spring. We are currently working on getting a contract together with our Landscape Contractor which would expand their services from quarterly inspections and maintenance to include handling the irrigation with monthly checks. We are working on moving the sprinkler valves to a more accessible location after which we will expand the services of the contractor.

I have attached the quarterly reports as well as the annual arborist report.

2511 Connie Drive
Sacramento, CA
95815

Phone: 916-929-3132
Fax: 916-929-3133

Design
Construction
Maintenance
Consulting
Tree Service
Irrigation

March 16, 2013

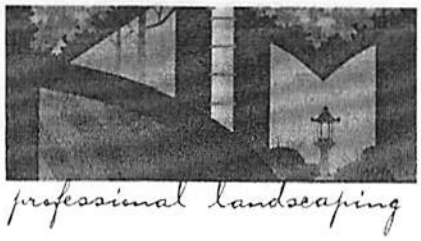
First Quarter Trees Maintenance Report

Remove and install new trees recommended by arborist.
Install new barks and replace broken stakes.
Fertirlize all trees with Agriform tablet

Watering schedule remain the same as weather still cool.

If you have any questions , please give me a call

Kim Creedon



2511 Connie Drive
Sacramento, CA
95815

Phone: 916-929-3132
Fax: 916-929-3133

Design
Construction
Maintenance
Consulting
Tree Service
Irrigation

June 22, 2013

Second Quarter Trees Maintenance Report

1- Remove and replace broken stakes
2- Trim up all branches and remove suckers around trunk of trees.
3- Need to increase water to all trees minimum at 5g to 7g per tree every other day.

If you have any questions please give me a call.

Kim Creedon

2511 Connie Drive
Sacramento, CA
95815

Phone: 916-929-3132
Fax: 916-929-3133

Design
Construction
Maintenance
Consulting
Tree Service
Irrigation

To : Charles Price
PG&E/Colusa Generating Station
4780 Dirks Road
Colusa, CA 94509

Sept 30, 2013

Third Quarter Trees Maintenance Report

Most of trees appeared doing well and watering schedule is adequate. However, few trees do not have any water at all, you should have your irrigation technician inspects frequent.

We have applied fertilize tablets to all trees, removed, and restaked some trees that have leaned over due to high winds

Please give me a call , if you have any questions.

Kim Creedon,

2511 Connie Drive
Sacramento, CA
95815

Phone: 916-929-3132
Fax: 916-929-3133

Design
Construction
Maintenance
Consulting
Tree Service
Irrigation

January 11, 2013

Re: 4th Quarterly Trees Maintenance Report

1- Removed stakes from 2 Pinus Halepensis
2- Restake 2 Quercus Douglaslii
3- Ferterlize all trees with Agriform tablets
4- Trim up some branches from Pine trees

All trees are in good condition, ferterlizer should last until March 2013.

February 26, 2014

Marsha Gale
Environmental Vision
2550 Ninth Street, Suite 205
Berkeley, CA 94710

Subject: Landscape Inspection
Colusa Generating Station

Dear Ms. Gale:

Environmental Vision designed the perimeter landscape for the PG&E power generating station in Colusa County. The landscape was installed in 2011. HortScience, Inc. was asked to perform a follow-up inspection to evaluate tree conditions, assess conformance to recommendations made in our April 2012 and December 2012 inspection reports, and to provide recommendations as appropriate. This letter responds to that request.

Landscape assessment
I visited the Colusa Generating Station on February 18, 2014 and evaluated the condition of all trees. Thirty-two (32) trees were evaluated (trees were assigned numbers for assessment purposes but were not numerically tagged). Since my last inspection, one tree (blue oak #12) had been removed. Each tree is described and maintenance recommendations are specified in the attached ***Landscape Assessment Form***. Overall the landscape had fair to good appearance, although there was some variation among species.

- Twelve Aleppo pine trees were mostly in good condition, with four in fair condition. Trees in good condition had good form and dense crowns. Trees in fair condition had slightly thin crowns and had minor structural issues, such as #28, which had been topped, and #33, which had lost its central leader. Trees #5, 31 and 32 were planted too deep. Most Aleppo pines exhibited yellowing of their needles, or chlorosis, a condition in which leaves produce insufficient chlorophyll, typically caused by nutrient deficiencies (Photo 1).

- Twelve manna gums were in fair to good condition. Conditions of most trees remained unchanged from the previous inspection. However, the condition of tree #6 improved after it had been re-staked and the roots established. Conditions of trees #7 and 22 had declined. Their crowns were thin and foliage dry due to wind damage. Many manna gums had codominant trunks, or stems that are relatively equal in size and diverge from a common point, which is an inherent weakness. Many had several inches of soil covering the root flare.

Photo 1: Aleppo pine #27 was in good condition with nice form and a dense crown. The needles were slightly chlorotic, likely due to one or more nutrient deficiencies.

- The conditions of five silver dollar gums remained unchanged. They were in good and fair condition with dense crowns and good foliage color. Tree #16 was in fair condition with a trunk lean and slightly thin crown. All but one tree (#8) had developed codominant trunks, and two trees (#8 and 14) were planted too deep, with several inches of soil covering the root flare (Photo 2).

Photo 2: Silver dollar gum #14 had 2-3" of soil covering the root flare and burying the trunk (existing soil line shown in yellow, left), and codominant trunks emerged at 8' (yellow arrow, right).

- The condition of blue oak #11 remained unchanged and was in fair condition with codominant trunks and branch dieback. Blue oak #12 had been removed. Conditions of canyon live oaks #10 and 13 had declined. Canyon live oak #10 was in poor condition with branch dieback and a dead central leader. Canyon live oak #13 was in fair condition with a thin crown and twig dieback.

Soil moisture was normal because of recent rains. I did not see any symptoms of water stress that would indicate inadequate irrigation prior to the beginning of the rainy season.

Based on my recommendations, stakes had been removed from some trees, and some trees had been re-staked. Watering basins had been built around trees to enclose bubbler irrigation heads, and mulch had been applied to most trees. Root flares had been exposed on some, but not all, trees, and many trees' root flares remained buried. There was evidence of structure pruning on some trees. I could not verify whether fertilizer application had occurred in the spring and fall per the recommendations in my April 2012 report.

There were several problems requiring corrective action, some that existed during my previous inspection and had not been completely addressed.

1. Soil was present on top of the root flares covering the base of the trunks of 11 trees. This problem was present in April and in December, and I recommended soil excavations to expose the root flares and trunks of all trees.

2. Structural issues, such as codominant trunks, crossing branches and girdling roots (Photo 3), were present on most trees.

3. Watering basins had been built around trees but had since collapsed.

4. Mulch had been applied around most trees, but soil remained bare around some trees.

5. Canyon live oaks #10 and 13 were performing poorly.

6. Pine tree #28 appears to be located above the underground natural gas pipeline in the "Landscape Clearance Zone."

Photo 3: Manna gum #29 had a girdling root below the soil line (yellow arrow).

Recommendations

Based on my landscape evaluation, I recommend the following corrective actions.

1. Excavate the soil that was placed on top of the root crowns and covering trunks of trees #4, 5, 7, 8, 13, 14, 18, 23, 30, 31, and 32. Soil should be removed to expose root flare of all trees (Figure 1), and shall be graded in a manner as to direct drainage away from the tree base.

2. Re-construct watering basins around all trees to enclose bubbler irrigation heads per the Planting Installation Notes.

3. Re-apply coarse organic mulch around all trees 3-6" deep per the Planting Installation Notes.

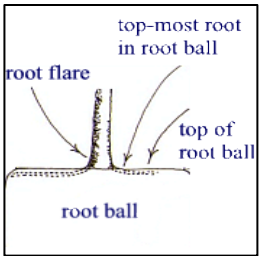


Figure 1: the top-most root should be within 1" of the soil line.

4. Prune to correct structural defects. Pruning should be minimal, removing mostly dead branches and retaining as many live branches as possible to promote trunk diameter growth.

    a. Codominant trunks – Prune trees #1, 2, 9-11, 14-16, 18-20, 22 and 24 to develop one dominant trunk. Choose the stronger, more upright stem that will make the best leader and prune back or remove the other stem at its point of origin.
    b. Crossing branches – Remove crossing branches from trees #17 and 21.
    c. Girdling roots – Cut girdling roots of trees #29 and 33 with a knife or pruning tool to prevent them from girdling the tree later.

5. Consider replacing manna gum #7, whose condition has declined and is not performing well.

6. Consider replacing canyon live oaks #10 and 13 with a species shown to perform better in this environment.

7. Apply fertilizer in spring and fall for the next two years.
    a. Spring application: 1 lb/1000 ft.² slow-release nitrogen (sulfur-coated urea, 36-0-0).
    b. Fall application: 1 lb/1000 ft.² slow-release nitrogen (36-0-0) and 2.5 lbs/1000 ft² of superphosphate (0-20-0).

8. The location of tree #28 needs to be verified and, if necessary, the tree relocated outside the Landscape Clearance Zone per the landscape plan.

Please call if you have any questions regarding my observations or recommendations.

Sincerely,

Deanne Ecklund

Deanne Ecklund
Certified Arborist #WE-9067A

Att: ***Landscape Assessment***

Landscape Assessment

Colusa Generating Station
Colusa Co. CA
February 2014

Tree number	Common name *planted March '12	Condition 1=poor 5=excellent	Tree comments	Remove stake	Expose root flare	Structure prune	Replace?	Maintenance comments
1	Aleppo pine	4	Codominant trunks; slightly thin crown; chlorotic.	-	-	x	-	Suppress codominant stem
2	Aleppo pine	4	Slightly chlorotic; slightly thin crown.	-	-	x	-	Suppress codominant stem
3	Aleppo pine	4	Slightly thin crown and chlorotic.	-	-	-	-	
4	Aleppo pine	4	Slightly thin crown, chlorotic.	-	x	-	-	
5	Aleppo pine	3	Newly planted; slightly thin crown; planted too deep.	-	x	-	-	
6	Manna gum	4	Nice form.	x	-	-	-	
7	Manna gum	2	Small tree; lost central leader; thin crown; dead branches; planted too deep.	-	x	-	?	Prune dead branches, or replace tree
8	Silver dollar gum	4	Curve in trunk; nice crown; planted too deep.	x	x	-	-	
9	Silver dollar gum	3	Full crown; codominant trunks.	-	-	x	-	Suppress codominant stem
10	Canyon live oak*	2	Thin crown; branch dieback; dead top.	-	-	x	?	Prune dead branches and top; or consider
11	Blue oak	3	Codominant trunks; curve in trunk; branch	x	-	x	-	Suppress codominant stem; prune dead
~~12~~	~~Blue oak*~~	removed	~~Nice tree; some die back; stakes inside rootball.~~	-	-	-	x	
13	Canyon live oak*	3	Thin crown; some dieback; planted too deep; trunk bows west.	-	x	-	?	Consider replacing tree with a different species
14	Silver dollar gum	4	Good foliage density and color; planted too	-	x	x	-	Suppress west codominant stem
15	Silver dollar gum	4	Codominant trunks at 6'; dense foliage.	x	-	x	-	Suppress west codominant stem
16	Silver dollar gum	3	Top of trunk bends leeward; codominant stems at 7'; heavy lateral limb.	x	-	x	-	Remove west codominant stem; suppress heavy lateral limb
17	Manna gum	3	Crossing stems; trunk zig-zags at10'; dense crown.	-	-	x	-	Remove crossing stem

Landscape Assessment

Colusa Generating Station
Colusa Co. CA
February 2014

Tree number	Common name *planted March '12	Condition 1=poor 5=excellent	Tree comments	Remove stake	Expose root flare	Structure prune	Replace?	Maintenance comments
18	Manna gum*	4	Codominant trunks at 8'; nice foliage; planted 2-3" too deep.	x	x	x	-	Suppress codominant stem
19	Manna gum*	3	Codominant trunks at 9'; slightly thin crown; nice	x	-	x	-	Suppress codominant stem
20	Manna gum*	3	Curve in trunk; codominant trunks at 6'; nice foliage.	x	-	x	-	Suppress codominant stem
21	Manna gum*	4	Nice tree; crossing stems at 6'.	x	-	x	-	Remove crossing stem
22	Manna gum*	3	Codominant trunks at 4'; slightly thin crown.	x	-	x	-	Suppress codominant stem
23	Manna gum	3	High, slightly thin crown; stippled leaves; planted	x	x	-	-	
24	Manna gum*	4	Codominant trunks at 6'; tie damage; stakes	x	-	x	-	Suppress codominant stem
25	Aleppo pine	4	Nice form; slightly thin crown.	-	-	-	-	
26	Aleppo pine	4	Nice form; dense crown.	-	-	-	-	
27	Aleppo pine	4	Nice form; dense crown.	-	-	-	-	
28	Aleppo pine	3	Nice form; dense crown; topped at 6'; located within "landscape clearance zone".	-	-	x	-	Prune to create a central leader
29	Manna gum*	4	Nice form; dense crown; girdling root.	x	-	x	-	Remove girdling root
30	Manna gum	4	Nice form; trunk damage; planted 2-3" too deep.	-	x	-	-	
31	Aleppo pine	3	Slightly thin crown; chlorotic; planted 4-5" too	-	x	-	-	
32	Aleppo pine	4	Nice form; chlorotic; planted 3-4" too deep.	-	x	-	-	
33	Aleppo pine	3	Slightly thin crown; chlorotic: lost central leader; girdling root.	-	-	x	-	Remove girdling root

Appendix 11, Waste-5

TABLE 2-1
Characterization of Waste Streams at the Colusa Generating Station
Waste Management Plan, PG&E Colusa Generating Station

Waste Stream	Characteristics	Classification	Disposal	Method Used Y/N
General Wastes				
Non-recyclable non-hazardous office and lunchroom waste	Waste paper, metal, plastic, cardboard, wood	Non-hazardous solid waste, based on waste management practices and staff training.	Commercial waste bins	Y
Recyclable office materials	Waste paper, metal, plastic, cardboard	Not a waste, based on waste management practices and staff training.	Commercial recycling bins	Y
Janitorial products and waste from their use	Janitorial products (e.g., window cleaner, floor stripper, wax, drain cleaners, etc.) may contain chemicals that are hazardous. These chemicals are consumed during normal use.	Use according to instructions on product labels does not constitute disposal. Discarded full-strength products may exhibit characteristics of ignitability, corrosivity, reactivity, or toxicity.	Empty containers of 5 gallons or less (meeting the definition of an empty container) can be disposed of in commercial waste bins. Discarded unused products will be characterized based on review of product labels and MSDSs and disposed of appropriately.	Y
Used consumer electronic products and components	Cell phones, personal computers, computer perhipherals (e.g., printers), pagers, personal digital assistants, process control system components	Universal hazardous waste	Universal waste destination facility to be identified	Y
Light tubes	Includes fluorescent light tubes, high-pressure sodium lamps, and other lamps that exhibit a characteristic of a hazardous waste.	Universal hazardous waste	Universal waste destination facility to be identified	Y
Batteries	Rechargeable nickel-cadmium batteries, lithium batteries, alkaline batteries, silver button batteries, mercury batteries, small sealed lead-acid batteries, carbon-zinc batteries, and any other batteries that exhibit a	Universal hazardous waste	Universal waste destination facility to be identified	Y

TABLE 2-1
Characterization of Waste Streams at the Colusa Generating Station
Waste Management Plan, PG&E Colusa Generating Station

Waste Stream	Characteristics	Classification	Disposal	Method Used Y/N
	characteristic of a hazardous waste			
Lead acid batteries – automotive or large industrial	Contain lead and sulfuric acid	Recyclable hazardous waste	Destination facility to be identified	Y
Off-specification chemicals	Unusable new products, materials that cannot be returned to the vendor, and expired materials (shelf-life exceeded)	Chemical products may be non-hazardous, listed hazardous wastes, or characteristic waste.	Non-hazardous waste will be discarded in commercial waste bins. Hazardous waste will be disposed appropriately following characterization based on product labels and MSDSs.	Y
Spent sorbent	Varies with wastes absorbed. May contain oil, solvents, coolant, or diesel fuel. Listed solvents are not expected to be used at the facility.	Non-hazardous waste if used to absorb a non-hazardous liquid; non-RCRA hazardous waste if used to absorb oil; RCRA hazardous waste if used to absorb a listed solvent or material that causes the sorbent to become a characteristic or listed hazardous waste	Non-hazardous waste will be discarded in commercial waste bins. Oil-contaminated sorbent will be disposed as a non-RCRA hazardous waste based on generator knowledge. Other hazardous waste sorbent will be disposed based on either generator knowledge if the material absorbed in known or analysis if it is not known.	Y
Aerosol cans	Aerosol cleaners and lubricants may contain listed chemicals. In addition, aerosol propellants and materials may be ignitable. Materials may also be corrosive or reactive.	Universal hazardous waste	Empty, expired unused, or partially used aerosol cans	Y Managed as Universal Hazardous Waste and sent to appropriate facility.
Used oil	Used oil includes lubricating oil, gearbox oil, compressor oil, bearing oil, transformer oil, metal	Non-RCRA hazardous waste	Evergreen Oil or similar used oil recycler	Y

TABLE 2-1
Characterization of Waste Streams at the Colusa Generating Station
Waste Management Plan, PG&E Colusa Generating Station

Waste Stream	Characteristics	Classification	Disposal	Method Used Y/N
	working oil, and hydraulic oil that is not mixed with solvents.			
Painting wastes	Large-scale work is contracted out. Paint wastes include cans of unused or partially used paint, empty paint cans, and paint contaminated materials (brushes, rollers, tarps, and wipes).	It is assumed that waist paints are hazardous wastes. Paint-contaminated material is typically non-hazardous unless disposed when the paint is still wet.	Discarded unused or partially used paint will be characterized based on review of product labels and MSDSs and will be disposed of appropriately.	Y
Biohazard wastes	Biohazard waste may result from first air operations.	Biohazard	Transport to a local hospital for disposal by incineration	Y (Has not been necessary)
Sanitary wastewater	Wastewater from toilets, sinks, showers, and janitorial closets.	Non-hazardous. Waste management provisions include posting signs at sinks and training employees regarding materials prohibited from draining at sinks.	Delta Diablo Sanitation District treatment plant	N (Sanitary Wastewater goes to Septic/Leach field as designed)
Used oil filters	Used oil filters are hazardous based on oil content and may exhibit hazardous characteristics for lead and other heavy metals.	Used oil filters are classified as recyclable hazardous wastes provided that they are managed per requirements including draining of free-flowing oil	Drained oil filters may be transported to an approved destination such as Evergreen Oil under a bill of lading, provided that requirements for used oil filter management have been met.	Y
Reusable soiled textiles (shop towels)	Varies with material absorbed. May contain oil, solvents, or other chemicals.	May be managed as a recyclable material excluded from classification as a waste if managed in accordance with requirements for reusable soiled textiles.	Recycle at facility that is compliant with requirements for reusable soiled textiles.	Y
Empty product containers	Empty containers may contain residues that have hazardous characteristics. Care should be taken in handling empty containers previously	Empty containers meeting the regulatory definition of empty (e.g. all contents have been poured out) may be disposed of as non-	Empty containers of 5 gallons or less may be disposed with commercial waste. Empty containers of greater than 5 gallons need to be labeled	Y

TABLE 2-1
Characterization of Waste Streams at the Colusa Generating Station
Waste Management Plan, PG&E Colusa Generating Station

Waste Stream	Characteristics	Classification	Disposal	Method Used Y/N
	holding ignitable materials as they may contain ignitable vapors.	hazardous waste provided they also meet empty container management requirements.	with the word "empty" and the date they were emptied and either sent for reconditioning or for scrap within one year of becoming empty.	
Scrap metal	Used metal parts	Recyclable materials (22 CCR 66261.6(a)(3)	Place in scrap metal bins for transportation to a scrap metal recycler.	Y
Compressed gas cylinders	Cylinders containing pressurized oxygen, acetylene, argon, nitrogen, and calibration gas blends; may contain residual pressure.	Non-hazardous solid waste when empty	Return refillable cylinders to vendors. Dispose of non-refillable cylinders as non-hazardous waste.	Y
Spent solvent, sludge, and filters from parts washers.	Water-based and hydrocarbon based spent solvent, sludge, and filters.	Hydrocarbon-based solvent is typically hazardous and is collected and recycled.	Contract a parts washer service to recycle parts washer spent solvent in accordance with regulation.	N/A
Used blasting grit	Used blasting grit may contain metal from the parts processed as well as coating residue.	The material will be collected for characterization prior to disposal.	Manage as a hazardous waste. The material will be disposed at an approved disposal facility in accordance with federal, state, and local regulations.	Blasting grit disposed of as Haz Waste.
Oil/water separator sludge	Material collecting on the bottom of the oil/water separator may include oil-contaminated metals and other solids.	The material will be managed has a hazardous waste based on waste analysis.	Manage as a hazardous waste. The material will be disposed at an approved disposal facility in accordance with federal, state, and local regulations.	Y Oil from OWS is removed by Recycler
Used engine coolant	Used engine coolants are mixtures of water and organic compounds such as ethylene glycol.	Spent coolants are typically non-RCRA hazardous wastes.	Recycle at Evergreen Oil or similar facility.	Y
Wet Surface Air Cooler (WSAC) Sludge	WSAC sludge is a mixture of ambient particulate matter and water.	Dependent on samples—likely non-hazardous. Class II/III landfill if nonhazardous; Class I	Store in bins. Bins are to be covered if rain is predicted. Storage is allowed until container is full. Waste will be transported off-site	N/A

TABLE 2-1
Characterization of Waste Streams at the Colusa Generating Station
Waste Management Plan, PG&E Colusa Generating Station

Waste Stream	Characteristics	Classification	Disposal	Method Used Y/N
		if hazardous.	weekly.	
Salt Cake	Residual concentrated brine solution	Dependent on samples—likely non-hazardous. Class II/III landfill if nonhazardous; Class I if hazardous.	Store in bins. Bins are to be covered if rain is predicted. Storage is allowed until container is full. Waste will be transported off-site weekly.	Y – Cake is produced in low amounts so unnecessary to remove weekly.

MSDS = Material Safety Data Sheet.

Attachment D
Post-Certification Changes

Per Com-7 Item 4 we are to provide; "A Summary of the current project operating status and an explanation of any significant changes to the facility operations during the year."

There were no significant changes to the facility operations in 2013, but there were three staff level approved changes that occurred at the site. They are as follows:

1. Sprinkler system installed in south warehouse.
2. SCADA shelter constructed in Gas Metering Station
3. New DAF Clarifier in Water Treatment Building.

I have attached the notice of completions for these three projects.

January 13, 2014

Mr. Charles Price
Sr. Environmental Consultant
PG&E – Environmental Management Energy Supply
P.O. Box 298
Maxwell, CA, 95955

RE: Colusa Generating Station (06-AFC-09) Notice of Completion

Dear Mr. Price,

This letter is to inform you, that Bureau Bureau Veritas, the Delegate Chief Building Official for the Colusa Generating Station Project, has reviewed the project plans/specifications, performed all necessary field inspections and has deemed the work associated with the warehouse building fire sprinkler installation, to be compliant with the applicable codes, laws, ordinances and standards.

Should you have any questions regarding the information above, please contact me at your convenience.

Sincerely,

Kevin Wedman, CBO
Vice President, Power and Utilities
Bureau Veritas

Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834

Main: (916) 617-2028
Fax: (916) 617-2068
www.us.bureauveritas.com

Certificate of Occupancy

Colusa Generating Station Project

Department of Building Inspection

This certificate issued pursuant to the requirements of Section 111.2 of the 2010 California Building Code certifying that at the time of issuance these structures are in compliance with the LORS of the CBSC regulating building construction or use, subject to the attached document. For the following:

Use Classification: Warehouse

Occupancy Group: S-1 (Fire Sprinkler Installation)

Owner of Building: PG&E

Type of Construction: Type II-B

Building Official: _____
Kevin J. Wedman

Date: January 13, 2014

Bldg. Permit No. : 06-AFC-09

Use Zone: Industrial

Address: 4780 Dirks Road

Locality: Maxwell, CA, 95955

BY: Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834

This Certificate of Occupancy shall be posted in a conspicuous place on the premises and shall not be removed except by the Building Official.

February 10, 2014

Mr. Sam Khairi
Project Manager
Project & Program Management Gas Operations
6121 Bollinger Canyon Rd.
San Ramon, CA, 94583

RE: Colusa Generating Station (06-AFC-09) Notice of Completion

Dear Mr. Khairi,

This letter is to inform you, that Bureau Veritas, the Delegate Chief Building Official for the Colusa Generating Station Project, has reviewed the project plans/specifications, performed all necessary field inspections and has deemed the work associated with the SCADA cabinet installation, to be compliant with the applicable codes, laws, ordinances and standards.

Should you have any questions regarding the information above, please contact me at your convenience.

Sincerely,

Kevin Wedman, CBO
Vice President, Power and Utilities
Bureau Veritas

Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834

Main: (916) 617-2028
Fax: (916) 617-2068
www.us.bureauveritas.com

February 4, 2014

Mr. Charles Price
Sr. Environmental Consultant
PG&E – Environmental Management Energy Supply
P.O. Box 298
Maxwell, CA, 95955

RE: Colusa Generating Station (06-AFC-09) – Clarifier Replacement Notice of Completion

Dear Mr. Price,

This letter is to inform you, that Bureau Veritas, the Delegate Chief Building Official for the Colusa Generating Station Project, has reviewed the project plans/specifications, performed all necessary field inspections and has deemed the work associated with the clarifier replacement, to be compliant with the applicable codes, laws, ordinances and standards. This equipment is approved to energize.

Should you have any questions regarding the information above, please contact me at your convenience.

Sincerely,

Kevin Wedman, CBO
Vice President, Power and Utilities
Bureau Veritas

Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834

Main: (916) 617-2028
Fax: (916) 617-2068
www.us.bureauveritas.com

Attachment E
Summary of Missed Deadlines

Per Com-7 Item 5 we are to provide: "An explanation for any submittal deadlines that have been missed, accompanied by an estimate of when the information will be provided"

No submittal deadlines have been missed for 2013.

Attachment F
Governmental Agency Submittals and Issuances

The following is a listing of filings submitted to, or permits issued by, other governmental agencies during the year;

CGS Agency Submittals; January 1, 2013 – December 31, 2013

Colusa County Air Pollution Control District

Quarterly Operating Report (Permit Condition 17) - 1/29/2013; 4/24/2013; 7/29/2013; 10/27/2013
Source Test Protocol (AQ-7) – 08/26/2013
Deviation Reports - 01/29/2013; 05/30/2013
Source Test Results (Submitted by Avogadro Testing prior to December 24, 2013)

EPA

Semi Annual CEMs Report (X.G.5) – 1/29/2013; 7/29/2013
Source Test Protocol (X.C.6) – 8/26/2013
Source Test Results – 12/24/14

CUPA

Revised Hazardous Materials Business Plan via CERS - 04/17/2013; 11/13/2013

State Water Resources Control Board

Annual Stormwater Report – 6/27/2013

Attachment G
Projected Compliance Activities 2013

Per Com-7 Item 7 we are to provide; "A projection of project compliance activities scheduled during the next year."

In 2014 PG&E intends to continue reporting on the standard required compliance items. These include but are not limited to;

- Quarterly CEMS Reports/Operations Reports
- Annual Compliance Reports
- Notifications of Source Testing and Associated Source Test Reports
- Annual Storm Water Report

Attachment H
Additions to On-Site Compliance Files

Per Com-7 Item 8 we are to provide; "A listing of this year's additions to the on-site compliance files."

All of the above noted items in Attachment F which were submitted to agencies other than the CEC, as well as those item submitted to the CEC have been added to the site compliance files.

Attachment I
Contingency Plan Evaluation

Per Com-7 Item 9 we are to provide; "An Evaluation of the on-site contingency plan for unplanned facility closure, including any suggestions for bringing the plan up to date."

Upon Review of the Site Contingency Plan there have been no changes in operations or company business practices to warrant changing of the on-site contingency plan for unplanned facility closure.

Attachment J
Complaints / NOVs /Citations

Per Com-7 Item 10 we are to provide: "A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved matters, and the status of any unresolved matters"

The Colusa Generating Station received two Notice of Violations (NOVs) from the Colusa County Air Pollution Control District in 2013. They are as follows:

03/28/2013 – NOV for self-reporting excess emissions during three (3) startups.

06/04/2013 – NOV for self-reporting excess emissions during one (1) startup.

These NOV's have been resolved with the payment of the monetary fine. I have attached the two NOV's which were also submitted to the CEC within the allotted time frame in 2013.

COLUSA COUNTY
AIR POLLUTION CONTROL DISTRICT
JOSEPH J. DAMIANO
DIRECTOR OF AIR QUALITY STANDARDS
100 SUNRISE BLVD., SUITE F, COLUSA, CALIFORNIA 95932
(530) 458-0590

NOTICE OF VIOLATION

March 28, 2013

TO: Pacific Gas and Electric Company – Colusa Generating Station
c/o Mr. Ed Warner, Senior Plant Manager
P.O. Box 398
Maxwell, CA 95955

FROM: Colusa County Air Pollution Control District

The purpose of this Notice of Violation is to inform you of Permit Condition violations that occurred on September 3, 2012, October 25, 2012 and December 30, 2012 at your facility located at 4780 Dirks Road, Maxwell, California. On September 3rd and October 25th, Combustion Turbine 2 was in violation of Carbon Monoxide (CO) emission limits for Warm Startup stated in permit condition number 11. On December 30th, Combustion Turbine 1 was in violation of CO emission limits for Warm Startup stated in permit condition number 11. The failure to meet the CO emissions limits for Warm Startup for Combustion Turbine 1 and Combustion Turbine 2 on the specified dates is a violation of Permit Conditions for the Pacific Gas and Electric Company – Colusa Generating Station.

Violations are as follows:

Colusa County Air Pollution Control District Permit Condition No. 11:

> EMISSION LIMITATIONS –Combustion Turbine Warm Startup shall not exceed 373.6 pounds per hour CO.

Section 42400.1(a) of the California Health and Safety Code states, "Any person who negligently emits an air contaminant in violation of any provision of this part or any rule regulation, permit, or order of the state board or of a district pertaining to emission regulations or limitations is guilty of a misdemeanor and is punishable by a fine of not more than twenty-five thousand dollars ($25,000) or imprisonment in the county jail for not more than nine months, or by both that fine and imprisonment."

Section 42402.1(a) of the California Health and Safety Code states, "Any person who negligently emits an air contaminant in violation of this part or any rule, regulation, permit, or order of the state board or of a district, including a district hearing board, pertaining to emission regulations or limitations is liable for a civil penalty of not more than twenty-five thousand dollars ($25,000)."

Enclosed is a proposed settlement letter explaining how this matter can be resolved without further litigation. The letter will propose conditions for settlement and give you an opportunity to respond. Please review it carefully.

Sincerely

Joseph Damiano
Director of Air Quality Standards

cc: County Counsel File

COLUSA COUNTY
AIR POLLUTION CONTROL DISTRICT
JOSEPH J. DAMIANO
DIRECTOR OF AIR QUALITY STANDARDS
100 SUNRISE BLVD., SUITE F, COLUSA, CALIFORNIA 95932
(530) 458-0590

March 28, 2013

Pacific Gas and Electric Company – Colusa Generating Station
c/o Mr. Ed Warner, Senior Plant Manager
P.O. Box 398
Maxwell, CA 95955

This is a letter of proposed settlement concerning violations of Permit Conditions of the Colusa County Air Pollution Control District, and the California Health and Safety Code, as outlined in the enclosed Notice of Violation. The District, in an effort to avoid the time and expense of litigation to both parties, is willing to settle this matter for the sum of four thousand five hundred dollars ($4,500.00), if you meet the following conditions:

> Agree to observe the Colusa County Air Pollution Control District Regulations and Permit Conditions, as well as the California Health and Safety Code.

Such settlement shall preclude the District from seeking additional penalties with regard to this alleged violation. Although evidence regarding alleged violations may be presented in any judicial or administrative proceedings where pertinent, such settlements shall not constitute an admission of violative conduct, nor shall it be referred to be such an admission in any judicial or administrative proceeding.

I will consider the matter settled upon receipt of the four thousand five hundred dollars ($4,500.00), and with the understanding that you stipulate to the above conditions. If you wish to settle the matter at an office conference, please call (530) 458-0590 to schedule a time for a meeting.

If the settlement is not received, and I do not hear from you in 30 days, I will assume you are not interested in resolving this matter as outlined, and will refer the matter for legal action.

Sincerely,

Joseph Damiano
Director of Air Quality Standards

cc: County Counsel File

COLUSA COUNTY
AIR POLLUTION CONTROL DISTRICT
JOSEPH J. DAMIANO
DIRECTOR OF AIR QUALITY STANDARDS
100 SUNRISE BLVD., SUITE F, COLUSA, CALIFORNIA 95932
(530) 458-0590

NOTICE OF VIOLATION

June 4, 2013

TO: Pacific Gas and Electric Company – Colusa Generating Station
c/o Mr. Ed Warner, Senior Plant Manager
P.O. Box 398
Maxwell, CA 95955

FROM: Colusa County Air Pollution Control District

The purpose of this Notice of Violation is to inform you of Permit Condition violations that occurred on May 2, 2013 at your facility located at 4780 Dirks Road, Maxwell, California. On this date, Combustion Turbine 2 was in violation of Nitrogen Oxides (NOx) emissions limits for Hot Startup stated in permit condition number 11. The failure to meet the NOx emissions limits for Hot Startup for Combustion Turbine 2 on the specified date is a violation of Permit Conditions for the Pacific Gas and Electric Company – Colusa Generating Station.

Violations are as follows:

Colusa County Air Pollution Control District Permit Condition No. 11:

> EMISSION LIMITATIONS –Combustion Turbine Hot Startup shall not exceed 152.0 pounds per hour NOx.

Section 42400.1(a) of the California Health and Safety Code states, "Any person who negligently emits an air contaminant in violation of any provision of this part or any rule regulation, permit, or order of the state board or of a district pertaining to emission regulations or limitations is guilty of a misdemeanor and is punishable by a fine of not more than twenty-five thousand dollars ($25,000) or imprisonment in the county jail for not more than nine months, or by both that fine and imprisonment."

Section 42402.1(a) of the California Health and Safety Code states, "Any person who negligently emits an air contaminant in violation of this part or any rule, regulation, permit, or order of the state board or of a district, including a district hearing board, pertaining to emission regulations or limitations is liable for a civil penalty of not more than twenty-five thousand dollars ($25,000)."

Enclosed is a proposed settlement letter explaining how this matter can be resolved without further litigation. The letter will propose conditions for settlement and give you an opportunity to respond. Please review it carefully.

Sincerely

Joseph Damiano
Director of Air Quality Standards

cc: County Counsel File

COLUSA COUNTY
AIR POLLUTION CONTROL DISTRICT
JOSEPH J. DAMIANO
DIRECTOR OF AIR QUALITY STANDARDS
100 SUNRISE BLVD., SUITE F, COLUSA, CALIFORNIA 95932
(530) 458-0590

June 4, 2013

Pacific Gas and Electric Company – Colusa Generating Station
c/o Mr. Ed Warner, Senior Plant Manager
P.O. Box 398
Maxwell, CA 95955

This is a letter of proposed settlement concerning violations of Permit Conditions of the Colusa County Air Pollution Control District, and the California Health and Safety Code, as outlined in the enclosed Notice of Violation. The District, in an effort to avoid the time and expense of litigation to both parties, is willing to settle this matter for the sum of one thousand five hundred dollars ($1,500.00), if you meet the following conditions:

> Agree to observe the Colusa County Air Pollution Control District Regulations and Permit Conditions, as well as the California Health and Safety Code.

Such settlement shall preclude the District from seeking additional penalties with regard to this alleged violation. Although evidence regarding alleged violations may be presented in any judicial or administrative proceedings where pertinent, such settlements shall not constitute an admission of violative conduct, nor shall it be referred to be such an admission in any judicial or administrative proceeding.

I will consider the matter settled upon receipt of the one thousand five hundred dollars ($1,500.00), and with the understanding that you stipulate to the above conditions. If you wish to settle the matter at an office conference, please call (530) 458-0590 to schedule a time for a meeting.

If the settlement is not received, and I do not hear from you in 30 days, I will assume you are not interested in resolving this matter as outlined, and will refer the matter for legal action.

Sincerely,

Joseph Damiano
Director of Air Quality Standards

cc: County Counsel File