ANNUAL REPORT
DISCHARGE MONITORING & REPORTING PROGRAM

MORRO BAY POWER PLANT

2006

LSP Morro Bay, LLC
Morro Bay Power Plant
1290 Embarcadero Road
Morro Bay, CA 93442

EFFLUENT MONITORING REPORT
2006 Summary

LSP Morro Bay, LLC.
Morro Bay Power Plant

1. GENERAL OVERVIEW

During 2006 discharges were made from discharge paths 001A, 001B, 001C, 001E and 001F. Discharge 001D, cooling water for the thermal compression salt water evaporators, was abandoned in June, 1995, after the evaporators were removed from service.

Chemical analyses are performed by Creek Environmental Laboratories in San Luis Obispo, CA and by FGL Environmental located in Santa Paula, CA, both of which are ELAP certified. CRG Marine Laboratories of Canoga Park are used to perform trace metals analysis of the annually collected intake and Discharge 001 seawater samples using EPA 1640. Samples collected for bioassay analysis are analyzed by Aquatic Testing Laboratories of Ventura. All samples are analyzed using approved methods, and are either analyzed immediately in the field or are appropriately preserved and refrigerated until analyzed at one of the above mentioned offsite laboratories. Discharge flows are estimated from flow integrators and pump operating hours. Redundant, co-located temperature measurements are taken at both the intake and outfall using both continuous temperature strip-chart recorders and, as of June 28, 2006, submersible data loggers set to collect data every 10 minutes.

Following is a summary by calendar quarter of notable NPDES related issues during 2006.

1.1. First Quarter 2006

During the first quarter 2006 monitoring and reporting period, there were no exceedences or violations of any discharge limits.

1.2. Second Quarter 2006

During the second quarter 2006 monitoring and reporting period, there were no exceedences or violations of any discharge limits.

1.3. Third Quarter 2006

During the third quarter 2006 monitoring and reporting period, there were no exceedences or violations of any discharge limits.

1.4. Fourth Quarter 2006

During the fourth quarter 2006 monitoring and reporting period, there were no exceedences or violations of any discharge limits.

Annual Intake & Outfall Samples (Source and Receiving Water Samples)

Samples of Discharge 001 effluent were collected on November 7, 2006 pursuant to the annual monitoring and reporting requirements contained in Monitoring and Reporting Program 95-28 (MRP 95-28). At the time of sampling, both Unit 3 and Unit 4's large cooling water circulating pumps were operating. Though not required by MRP 95-28, and not reported in the attached Data Monitoring Report (DMR), samples were also collected at the MBPP Intake Structure in front of the Unit 3 and Unit 4 intake bays to assess source water analyte concentrations. The Intake Structure samples were collected approximately 20 minutes prior to collection of the Discharge 001 effluent samples to assure to the greatest extent practicable sampling of the same water mass. All samples were collected in appropriately preserved containers and transported under chain-of-custody control to ELAP certified laboratories for analysis as follows:

- FGL Laboratories (ELAP Certificate 1573)
    - PCBs
    - Trace Metals
    - Ammonia as N
- Aquatic Testing Laboratories (ELAP Certificate 1775)
    - Chronic Toxicity (EPA 600/R-95/136)
- CRG Marine Laboratories (ELAP Certificate 2261)
    - Trace metals (EPA Method 1640)

With the exception of silver, all laboratory target analyte QA/QC results associated with the November 7, 2007 sample event were within acceptance limits. FGL reported very low MS and MSD recoveries for silver due to seawater matrix interference effects (December 12, 2006 phone conversation with FGL Project Manager). Matrix interference problems associated with trace metals analysis in seawater have been known to the analytical laboratory community for some time and are documented in the literature with copper being notoriously difficult to accurately quantify.

As a result of past difficulties accurately determining copper and other target metals at trace concentrations in seawater samples collected at MBPP's intake and discharge, and the prolifically documented matrix interference problems reported in the literature involving the analysis of marine and estuarine samples using various traditional analytical methods, duplicate split samples were collected and submitted to CRG Marine Laboratories for analysis by EPA Method 1640: *Determination of Trace Elements in Ambient Water by On-line Chelation Pre-concentration and Inductively Coupled Plasma-Mass Spectrometry*. MBPP has now submitted duplicate split samples of intake and discharge seawater samples to CRG for trace metals analysis by EPA 1640 since 2003.

EPA Method 1640 is a relatively new, state-of-the-art analytical method developed specifically by EPA for the determination of various metals at or below the agencies very low Water Quality Criteria (WQC) concentrations and is particularly suited for the analysis of estuarine and marine samples. EPA method 1640 employs a pre-concentration step in the sample preparation process that selectively retains analytes of interest while eliminating the saline (high dissolved solids)

seawater matrix. EPA Region IX has been granting approval to use EPA 1640 as an alternate test procedure for the analysis of compliance related marine samples for some time now. Based on the known difficulties analyzing seawater samples for some of the trace metals using traditional methods, and CRG's extensive experience with marine samples and the extremely robust QA/QC package they reported along with the MBPP intake and discharge sample results, the CRG trace metal results are reported in the following data monitoring report forms enclosed with this report.

In addition to the samples collected for chemical analysis discussed above, Intake and Discharge 001 seawater samples were submitted to Aquatic Testing Laboratories for chronic toxicity determination. The bioassay specified in MRP 95-28 involves observing groups of juvenile red abalone (*haliotis rufescens*) for abnormal shell development following three days of being subjected to sample water. Different groups of juvenile abalone are subjected to different dilutions of the sample water with reagent water, including a group subjected to pure sample water (no sample dilution). ATL reported no observable effects in either the undiluted Intake or Discharge 001 samples resulting in a TUc for both of 1. This result is consistent with past results which have never shown any observable chronic toxicity associated with the MBPP discharge.

The following table presents a summary of the results for both the Intake and Discharge 001 samples. As part of their QA/QC regiment, CRG analyzed the Discharge 001 sample in replicate providing information relative to the precision of their analysis. To be conservative, the highest result of CRG's replicate analysis is reported here. Comparing the results of the Intake and Discharge 001 samples, it is evident that the two samples are essentially indistinguishable with only three of the thirteen tested parameters higher in the Discharge 001 sample than the Intake sample.

Parameter	Method	Units	Reporting Limit	Discharge 001	Intake
Chronic Toxicity	—	TUc		1	1
Ammonia-N	4500NH3H	mg/L	0.05	0.11	0.14
PCB	8082	mg/L	0.0005	ND	ND
Arsenic	1640m	mg/L	0.000015	0.0015	0.0016
Cadmium	1640m	mg/L	0.00001	0.00004	0.000052
Chromium	1640m	mg/L	0.00005	0.00038	0.000039
Copper	1640m	mg/L	0.00002	0.0010	0.00071
Lead	1640m	mg/L	0.00001	0.000033	0.000066
Mercury	245.7m	mg/L	0.00002	ND	ND
Nickel	1640m	mg/L	0.00001	0.0012	0.00050
Selenium	1640m	mg/L	0.000015	0.00016	0.00004
Silver	1640m	mg/L	0.00004	ND	ND
Zinc	1640m	mg/L	0.00001	0.0026	0.0040

Bottom Sediment Monitoring & Reporting

On September 27, 2006 Tenera Environmental collected two replicate sediment samples from each of three discharge (A2, A4, and A5) and three reference sampling locations (A6, A7, and A8). Discharge locations A2, A4, and A5 are all located within the near-shore waters of Estero Bay in the general vicinity of MBPP Discharge 001. Reference location A8 on the other hand is located within Morro Bay near the MBPP Intake Structure (reflective of source water conditions) while reference locations A6 and A7 are located within Estero Bay but at considerable distance south and north of Discharge 001 respectively and outside of the identified area potentially influenced by Discharge 001. The samples were collected in appropriately preserved containers and submitted to Creek Environmental Laboratories in San Luis Obispo for PCB, sulfide, and trace metals analysis. The samples for metals analysis were extracted using the weak acid leachate (WAL) method prescribed in MPR 95-28. Replicate samples from each monitoring location were also submitted to Earth Systems Environmental in San Luis Obispo for particle size distribution analysis.

Each sample was individually analyzed for ten target analytes; eight metals (arsenic, cadmium, hexavalent chromium, copper, lead, mercury, nickel, and zinc), PCB's, and total sulfides. The mean concentration for each replicate pair was then calculated. Both grouped and individual discharge monitoring station results were then statistically compared to the reference station results. Overall, the trends and observations from the 2006 Bottom Sediment monitoring effort were similar to past monitoring events. Following are the main summarized findings as reported by Tenera:

- No Arsenic, Cadmium, hexavalent chromium, Mercury or PCBs was detected at any of the sampling stations.
- Reference station A8 located within Morro Bay near the Intake Structure had the highest concentrations of detected analytes (copper, lead, nickel zinc and sulfide).
- Concentrations of copper and zinc at the three discharge monitoring stations (A2, A4 and A5) were significantly less statistically than the average concentrations at the reference stations.
- No significant difference was observed between the discharge and reference monitoring stations for lead or nickel.

The final 2006 NPDES Sediment Monitoring Report was previously submitted to the RWQCB under a separate cover letter date December 19, 2006. Please refer to this document for greater detail and in depth discussions of the sample collection methods, statistical analysis employed, and report findings.

Hydrographic Survey

Tenera Environmental performed a hydrographic survey of the area in front of, and adjacent to, the MBPP Intake Structure on August 28, 2006 between 1220 and 1500 PST. The area included the entire 240 ft width of the Intake Structure and adjacent areas, 100 feet to the southeast, 200 feet to the northwest and 300 feet offshore. The bottom surface of the bay in the survey area was mapped using a Biosonics DTX digital echo sounder mounted in a 13 foot skiff equipped with a differential global positioning system (DGPS). The skiff was piloted at 2 and 3 knots along

predetermined tracks spaced approximately 15-20 feet apart first in a criss-crossing east-west to north-south trending pattern.

The results of the survey indicate that "[i]n general, the near-intake bottom depths were similar to those measured in years past." Water depths directly in front of the intake bays and out to a distance of 105 feet ranged between -9.7 ft and -18.9 ft MLLW with an average of -15.9 ft MLLW. On average, the 2006 results were 0.3 feet shallower than the previous survey performed September 23, 2005. The results of the hydrographic survey were previously submitted to the Central Coast Regional Water Quality Control Board under a separate cover letter dated December 19, 2006. Please refer to this report for further detail and discussion.

Intake Approach Velocity Monitoring

Tenera Environmental performed intake approach velocity monitoring in front of the MBPP cooling water intake structure on September 5, 2006 between 1400 and 1510 PST. Velocities were measured in slack water with little tidal movement in front of the Unit 3 and Unit 4 in take bays using a 1MHz Sontek Accoustic Doppler Profiler (ADP). Each of Unit 3 and Unit 4's circulating water pumps were in operation at the time of measurement. Duke Energy, the previous owner of the MBPP, previously received RWQCB approval in 2004 to forego approach velocity testing of Unit 1 and Unit 2 since neither unit had seen operational service since the fall of 2003. Since neither Unit 1 nor Unit 2 operated during the 2006 monitoring and reporting period, approach velocity testing was again not performed. Should either unit be returned to service, approach velocity testing will be resumed and the RWQCB notified.

The results of the 2006 intake approach velocity monitoring indicate that the spatial average during the study was 0.71 fps with maximum and minimum speeds of 0.93 and 0.48 fps with the higher speeds occurring in front of the Unit 3 bays. The results of the Intake Approach Velocity Monitoring were previously submitted to the Central Coast Regional Water Quality Control Board under a separate cover letter dated December 19, 2006.

2. OPERATOR CERTIFICATION

Morro Bay Power Plant is a private treatment facility that treats only industrial waste. Operators of this facility are not required to be certified under Title 23 CCR. The NPDES discharge program is administered and monitored by the following staff members:

Steven C. Goschke	Plant Manager
Thomas A. Lott	Plant Engineer
Barry P. Lajoie	Environmental Scientist

Dissolved oxygen (DO), pH, and residual chlorine are measured in the field by trained field technicians from Creek Environmental Laboratories. During 2006, samples collected pursuant to the requirements of Monitoring & Reporting Program 95-28 were analyzed by the following ELAP certified laboratories using approved and industry standard analytical methods:

- Creek Environmental Laboratories (ELAP Certification 1958)

- FGL Laboratories (ELAP Certification 1573),
- CRG Marine Laboratories (ELAP Certification 2261)
- Aquatic Testing Laboratories (ELAP Certification 1775)

3. FACILITY OPERATING AND MAINTENANCE MANUALS

The primary operating, maintenance, and contingency instructions and plans for Morro Bay Power Plant are contained in the documents listed below. These manuals are complete and valid for this facility.

Manual	Date of Last Review
Morro Bay O&M Procedures	Last Revised 1st Quarter 2006
Morro Bay Power Plant Operating Orders	Last Revised 1st Quarter 2006
Facility Emergency Plan, Morro Bay Power Plant	March 2003 (revised November 2004), currently under revision

4. SLUDGE MONITORING

Sludge is produced as a result of solids settling in the boiler wash, waterside rinse, and chemical cleaning holding ponds. Consistent with the plant's SB-14 Waste Minimization Plan, accumulated sediment in the bottom of the three metal cleaning waste impoundment ponds is dried to atmosphere prior to removal in preparation for annual inspection of the impoundment liners. Allowing the sludge to dry prior to removal has significantly reduced waste generation volumes compared to previous years when the sludge was removed wet using a vacuum truck. In 2006, one (1) 55-gallon drum containing approximately 390 lbs of dried sludge was removed from the surface impoundment ponds. The dried sludge, consisting mainly of windblown soil and boiler blow-down sediment, was removed using hand tools and subsequently disposed of as a non-RCRA hazardous waste at the Chemical Waste Management facility in Kettelman Hills, CA. Following is a summary of the hazardous waste removed from the MBPP Surface Impoundment Ponds in 2006:

Material produced:	One 55 gallon drum of dried sediment/sludge (approx. 390 lb)
Classification:	Non-RCRA hazardous waste
Disposal Destination:	Chemical Waste Management (Kettleman Hills, CA)

No chemical boiler cleanings or stack washes were conducted during the 2006 reporting period.

SUMMARY OF MONITORING PROGRAM AND REQUIRED REPORTS

MONITORING OF PLANT INFLUENT AND EFFLUENT

PART 1: Descriptions of intake and discharge paths

PART 2: 2006 Discharge Tabular Summary

PART 3: 2006 Discharge Trend Charts

PART 1

INTAKE AND DISCHARGE FLOW PATH DESCRIPTIONS

LSP MORRO BAY, LLC.
MORRO BAY POWER PLANT
EFFLUENT MONITORING REPORT
ORDER NO. 95-28

INTAKE

Temperature readings are taken at the intake structure before the bar racks by a continuous temperature recorder. Grab samples for pH determination are collected using a 5-gallon plastic bucket cast from the shore. Sample is analyzed in the field by trained and qualified Creek Environmental Laboratories personnel.

DISCHARGE 001A

Flow of once-through cooling water is estimated from pump operating hours and pump efficiency on a daily basis.

Grab samples for pH and residual chlorine analysis are collected in plastic sample bottles at the outfall channel, beyond the point dividing units 1 & 2 and units 3 & 4 discharge tunnels. To ensure to the greatest extent practical that the same water mass is sampled; discharge samples are collected 15-20 minutes after sampling the intake. Total dissolved oxygen, pH and residual chlorine are measured immediately in the field using field portable instruments by trained and qualified Creek Environmental Laboratories personnel.

Table 1: Discharge 001A

Parameter	Container	Preservative	Analytical Method	Frequency
Residual Chlorine	Not Applicable	Not Applicable	SM 4500G (field measurement)	Weekly when chlorinating
pH	Not Applicable	Not Applicable	EPA 150.1 (field measurement)	Weekly when discharging
CAM Metals	500 ml plastic	HNO_3	EPA 6010 and EPA 7470 (mercury) or EPA 200.8 (ICPMS)	Annually
Chronic Toxicity	5L Plastic	None	*Short Term Methods for Measuring Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine Organisms* (EPA/R-95/136)	Annually
Ammonia	500 ml plastic	H_2SO_4	EPA 350.1	Annually

Temperature readings are taken in the outfall canal approximately 60 feet down stream of the concrete discharge headwork. Temperatures are recorded on a continuous temperature recorder.

DISCHARGE 001B

Screen wash flow is estimated from scheduled daily operation cycles.

DISCHARGE 001C

Brine discharge from the vapor compression evaporator is estimated by subtracting the volume of product produced from the volume of feed water supplied to the evaporator. The effluent stream is composed of both evaporator brine and overflow sea water from the feed water stilling tank. Grab samples of evaporator brine are collected in both 1 liter glass bottles containing HCl preservative and 500 ml plastic bottles for analysis of oil & grease and total suspended solids respectively. The samples are transported to Creek Environmental Laboratories under chain-of-custody and analyzed within applicable holding times. Concurrent evaporator make-up (influent) samples are collected to assess influent loading.

Table 2: Discharge 001C

Parameter	Container	Preservative	Analytical Method	Frequency
Total Suspended Solids	250-500 ml plastic	None	EPA 160.2	Weekly when discharging
Oil & Grease	1 L glass	H2SO4	EPA 1664	Weekly when discharging

DISCHARGE 001D

Discharge 001D, cooling water flow to the thermal compression evaporators, is no longer in use. The thermal compression evaporators have been replaced with an evaporator that does not require cooling water. Accordingly, the attached influent and effluent monitoring report does not include data for discharge 001D.

DISCHARGE 001E

Prior to discharge, the holding pond water is circulated through a closed loop, taking suction from one end of the impoundment and discharging to the opposite end of that same impoundment. Samples of the holding pond water are collected and analyzed as shown in the following table by Creek Environmental Laboratories. If the sample results are below NPDES limits, the holding pond water is valved to discharge 001A. On October 27, 2004 at their regularly scheduled hearing, the RWQCB approved modifications to the waste discharge requirements for the surface impoundment ponds to include sampling and analysis for CAM metals and pH from all routine discharges in addition to previously required total suspended solids and oil & grease.

Table 3: Discharge 001E

Parameter	Container	Preservative	Analytical Method	Frequency	Effluent Limitation
Total Suspended Solids	250-500 ml plastic	None	EPA 160.2	Weekly when discharging	Yes
Oil & Grease	1 L glass	H2SO4	EPA 1664	Weekly when discharging	Yes
CAM Metals	500 ml plastic	HNO3	EPA 200.8 or EPA 6020 Mercury by EPA 245.1 or EPA 7470	At least one sample per discharge event per impoundment	No
pH	NA	NA	EPA 150.1 (field measurement)	At least one sample per discharge event per impoundment	Yes

Flow meter integrators on the pump discharge are used for estimating the flow of each discharge from the holding ponds.

DISCHARGE 001F

Flow from the oil-water separator system is estimated from daily integrator readings. Grab samples of the system effluent are collected for total suspended solids and oil & grease analyisis from a sample tap on the discharge header using the containers and preservatives shown in Table 4. The samples are submitted under chain-of-custody to Creek Environmental Laboratories for chemical analysis.

Table 4: Discharge 001F

Parameter	Container	Preservative	Analytical Method	NPDES WDR Limit
Total Suspended Solids	250-500 ml plastic	None	EPA 160.2	Weekly when discharging
Oil & Grease	1 L glass	H2SO4	EPA 1664	Weekly when discharging

PART 2

2006 DISCHARGE
TABULAR SUMMARY

PART 3

2006 DISCHARGE TREND CHARTS

[INSERT Annual Summary Table (summarized by month)]

CRG Marine Laboratories, Inc.
"A Center for Excellence in Analytical Chemistry and Environmental Microbiology"

December 06, 2006

LSP Morro Bay, LLC
1290 Embarcadero Rd.
Morro Bay, CA 93442

Re: CRG Marine Laboratories
LSP Morro Bay, LLC

Project ID: P 26223
Project ID: Annual NPDES Samples, MBPP

ATTN: Barry Lajoie

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your Annual NPDES Samples, MBPP project. According to the chain-of-custody, 2 samples were received intact at CRG on 11/9/2006. Per your instructions, the samples were analyzed for:

- Trace Metals By ICPMS Using Method EPA 1640m
- Mercury (Hg) By CVAFS Using Method EPA 245.7m

Please don't hesitate to call if you have any questions and thank you very much for using our laboratory for your analtytical needs.

Regards,
Misty Mercier

Reviewed and Approved _____

Project Sample List

LSP Morro Bay, LLC

CRG Project ID: **26223**

Project Officer: Barry Lajoie

Project Description: Annual NPDES Samples, MBPP

CRG Sample ID#	*Client Sample ID*	*Sample Description*	*Date Sampled*	*Matrix*
47225	MB6685	Discharge	07-Nov-06	Seawater
47226	MB6686	Intake	07-Nov-06	Seawater

CRG's QUALITY ASSURANCE PROGRAM SUMMARY

BATCH: CRG's Quality Assurance Program Document defines a batch as a group of 20 or fewer samples of similar matrix, processed together under the same conditions and with the same reagents. Quality control samples are associated with each batch and are used to assess the validity of the sample analyses. CRG typically uses batch sizes of 10-15 samples.

PROCEDURAL BLANKS: Laboratory contamination was controlled through the analysis of procedural blanks on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that all procedural blanks be below 10 times the MDL and all detectable constituents in the blanks be flagged in the sample results. The Procedural Blanks are presented in the Procedural Blank section of this report.

ACCURACY: Accuracy of the project data was indicated by analysis of matrix spikes, surrogate spikes, certified reference materials, and/or laboratory control materials on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that 95% of the target compounds greater than 10 times the MDL be within the specified acceptance limits. The Acceptance Ranges are presented in the Accuracy Data section of this report.

PRECISION: Precision of the project data was determined by analysis of duplicate matrix spikes, blank spikes, and/or duplicate test sample analysis on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that for 95% of the compounds >10 times the MDL, the % Relative Percent Difference (%RPD) should be within the specified acceptance range. The %RPD for the duplicate test sample analysis can be significantly affected by the homogeneity of the sample matrix within the sample container itself causing additional variability in the analytical results. In these cases, the QA/QC Acceptance Limits may be exceeded. The %RPD and Acceptance Ranges are presented in the Precision Data section of this report.

GLOSSARY OF TERMS

Qualifier	Definition
B	Analyte was detected in the associated method blank.
E	Analyte concentration exceeds the calibration range
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
M1	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference.
M2	The MS/MSD RPD was out of control due to matrix interference.
M3	Detection of the analyte was difficult due to matrix interference.
M4	Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.
ND or U	Parameter not detected at the indicated reporting limit.
NES	Not enough sample.
Q1	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.
Q2	The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.
R	Analyte was removed by the sample preparation/extraction procedure as seen by the MS/MSD recoveries. RPD acceptance ranges do not apply.

DATA REPORT

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47225*** **Sample Description:** MB6685 Discharge Annual NPDES Samples, MBPP **Date Sampled:** 07-Nov-06 09:50

Replicate #: R1 **Date Received:** 09-Nov-06

DILUTION FACTOR: 1 **Matrix:** Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Aluminum (Al)	Total	EPA 1640m	14	µg/L	3	6	27-Nov-06	30-Nov-06	26223-2103
Antimony (Sb)	Total	EPA 1640m	0.17	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Arsenic (As)	Total	EPA 1640m	1.47	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Beryllium (Be)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Cadmium (Cd)	Total	EPA 1640m	0.04	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Chromium (Cr)	Total	EPA 1640m	0.35	µg/L	0.025	0.05	27-Nov-06	30-Nov-06	26223-2103
Cobalt (Co)	Total	EPA 1640m	0.025	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Copper (Cu)	Total	EPA 1640m	1	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Iron (Fe)	Total	EPA 1640m	34	µg/L	0.5	1	27-Nov-06	30-Nov-06	26223-2103
Lead (Pb)	Total	EPA 1640m	0.033	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Manganese (Mn)	Total	EPA 1640m	0.73	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Mercury (Hg)	Total	EPA 245.7m	ND	µg/L	0.01	0.02	16-Nov-06	16-Nov-06	26223-2103
Molybdenum (Mo)	Total	EPA 1640m	9.657	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Nickel (Ni)	Total	EPA 1640m	1.244	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Selenium (Se)	Total	EPA 1640m	0.16	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Silver (Ag)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Thallium (Tl)	Total	EPA 1640m	J 0.006	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Tin (Sn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Titanium (Ti)	Total	EPA 1640m	1.491	µg/L	0.035	0.07	27-Nov-06	30-Nov-06	26223-2103
Vanadium (V)	Total	EPA 1640m	1.67	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Zinc (Zn)	Total	EPA 1640m	2.552	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interferance

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47225*** **Sample Description:** MB6685 Discharge Annual NPDES Samples, MBPP **Date Sampled:** 07-Nov-06 09:50

Replicate #: R2 **Date Received:** 09-Nov-06

DILUTION FACTOR: 1 **Matrix:** Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Aluminum (Al)	Total	EPA 1640m	15	µg/L	3	6	27-Nov-06	30-Nov-06	26223-2103
Antimony (Sb)	Total	EPA 1640m	0.29	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Arsenic (As)	Total	EPA 1640m	1.53	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Beryllium (Be)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Cadmium (Cd)	Total	EPA 1640m	0.028	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Chromium (Cr)	Total	EPA 1640m	0.38	µg/L	0.025	0.05	27-Nov-06	30-Nov-06	26223-2103
Cobalt (Co)	Total	EPA 1640m	0.038	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Copper (Cu)	Total	EPA 1640m	0.86	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Iron (Fe)	Total	EPA 1640m	31.1	µg/L	0.5	1	27-Nov-06	30-Nov-06	26223-2103
Lead (Pb)	Total	EPA 1640m	0.026	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Manganese (Mn)	Total	EPA 1640m	0.8	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Mercury (Hg)	Total	EPA 245.7m	ND	µg/L	0.01	0.02	16-Nov-06	16-Nov-06	26223-2103
Molybdenum (Mo)	Total	EPA 1640m	8.359	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Nickel (Ni)	Total	EPA 1640m	1.095	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Selenium (Se)	Total	EPA 1640m	0.14	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Silver (Ag)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Thallium (Tl)	Total	EPA 1640m	J 0.008	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Tin (Sn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Titanium (Ti)	Total	EPA 1640m	1.289	µg/L	0.035	0.07	27-Nov-06	30-Nov-06	26223-2103
Vanadium (V)	Total	EPA 1640m	1.79	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Zinc (Zn)	Total	EPA 1640m	2.577	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interferance

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47226*** **Sample Description:** MB6686 Intake Annual NPDES Samples, MBPP **Date Sampled:** 07-Nov-06 09:29

Replicate #: R1 **Date Received:** 09-Nov-06

DILUTION FACTOR: 1 **Matrix:** Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Aluminum (Al)	Total	EPA 1640m	18	µg/L	3	6	27-Nov-06	30-Nov-06	26223-2103
Antimony (Sb)	Total	EPA 1640m	0.29	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Arsenic (As)	Total	EPA 1640m	1.63	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Beryllium (Be)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Cadmium (Cd)	Total	EPA 1640m	0.052	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Chromium (Cr)	Total	EPA 1640m	0.39	µg/L	0.025	0.05	27-Nov-06	30-Nov-06	26223-2103
Cobalt (Co)	Total	EPA 1640m	0.046	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Copper (Cu)	Total	EPA 1640m	0.71	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Iron (Fe)	Total	EPA 1640m	32.1	µg/L	0.5	1	27-Nov-06	30-Nov-06	26223-2103
Lead (Pb)	Total	EPA 1640m	0.066	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Manganese (Mn)	Total	EPA 1640m	0.72	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Mercury (Hg)	Total	EPA 245.7m	ND	µg/L	0.01	0.02	16-Nov-06	16-Nov-06	26223-2103
Molybdenum (Mo)	Total	EPA 1640m	9.521	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Nickel (Ni)	Total	EPA 1640m	0.502	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Selenium (Se)	Total	EPA 1640m	0.04	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Silver (Ag)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Thallium (Tl)	Total	EPA 1640m	J 0.008	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Tin (Sn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Titanium (Ti)	Total	EPA 1640m	1.274	µg/L	0.035	0.07	27-Nov-06	30-Nov-06	26223-2103
Vanadium (V)	Total	EPA 1640m	1.83	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Zinc (Zn)	Total	EPA 1640m	4.042	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interferance

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47227*** **Sample Description:** QAQC LCM - CRG Seawater **Date Sampled:**
Replicate #: LCM1 Annual NPDES Samples, MBPP **Date Received:**
DILUTION FACTOR: 1 **Matrix:** Seawater

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Aluminum (Al)	Total	EPA 1640m	ND	µg/L	3	6	27-Nov-06	30-Nov-06	26223-2103
Antimony (Sb)	Total	EPA 1640m	0.12	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Arsenic (As)	Total	EPA 1640m	1.87	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Beryllium (Be)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Cadmium (Cd)	Total	EPA 1640m	0.111	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Chromium (Cr)	Total	EPA 1640m	0.35	µg/L	0.025	0.05	27-Nov-06	30-Nov-06	26223-2103
Cobalt (Co)	Total	EPA 1640m	0.031	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Copper (Cu)	Total	EPA 1640m	2.37	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Iron (Fe)	Total	EPA 1640m	J 0.8	µg/L	0.5	1	27-Nov-06	30-Nov-06	26223-2103
Lead (Pb)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Manganese (Mn)	Total	EPA 1640m	0.42	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Mercury (Hg)	Total	EPA 245.7m	ND	µg/L	0.01	0.02	16-Nov-06	16-Nov-06	26223-2103
Molybdenum (Mo)	Total	EPA 1640m	9.64	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Nickel (Ni)	Total	EPA 1640m	0.634	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Selenium (Se)	Total	EPA 1640m	0.06	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Silver (Ag)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Thallium (Tl)	Total	EPA 1640m	J 0.008	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Tin (Sn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Titanium (Ti)	Total	EPA 1640m	0.411	µg/L	0.035	0.07	27-Nov-06	30-Nov-06	26223-2103
Vanadium (V)	Total	EPA 1640m	1.79	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Zinc (Zn)	Total	EPA 1640m	1.758	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interferance

California ELAP Certificate # 2261

QUALITY CONTROL REPORT

PROCEDURAL BLANK RESULTS

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47224*** **Sample Description:** QAQC Procedural Blank **Date Sampled:**
Replicate #: B1 Annual NPDES Samples, MBPP **Date Received:**
DILUTION FACTOR: 1 **Matrix:** DI Water

CONSTITUENT	FRACTION	METHOD	RESULT	UNITS	MDL	RL	DATE PROCESSED	DATE ANALYZED	BATCH ID
Aluminum (Al)	Total	EPA 1640m	ND	µg/L	3	6	27-Nov-06	30-Nov-06	26223-2103
Antimony (Sb)	Total	EPA 1640m	ND	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Arsenic (As)	Total	EPA 1640m	ND	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Beryllium (Be)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Cadmium (Cd)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Chromium (Cr)	Total	EPA 1640m	ND	µg/L	0.025	0.05	27-Nov-06	30-Nov-06	26223-2103
Cobalt (Co)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Copper (Cu)	Total	EPA 1640m	ND	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Iron (Fe)	Total	EPA 1640m	ND	µg/L	0.5	1	27-Nov-06	30-Nov-06	26223-2103
Lead (Pb)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Manganese (Mn)	Total	EPA 1640m	ND	µg/L	0.01	0.02	27-Nov-06	30-Nov-06	26223-2103
Mercury (Hg)	Total	EPA 245.7m	ND	µg/L	0.01	0.02	16-Nov-06	16-Nov-06	26223-2103
Molybdenum (Mo)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Nickel (Ni)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Selenium (Se)	Total	EPA 1640m	ND	µg/L	0.01	0.015	27-Nov-06	30-Nov-06	26223-2103
Silver (Ag)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Thallium (Tl)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Tin (Sn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103
Titanium (Ti)	Total	EPA 1640m	ND	µg/L	0.035	0.07	27-Nov-06	30-Nov-06	26223-2103
Vanadium (V)	Total	EPA 1640m	ND	µg/L	0.02	0.04	27-Nov-06	30-Nov-06	26223-2103
Zinc (Zn)	Total	EPA 1640m	ND	µg/L	0.005	0.01	27-Nov-06	30-Nov-06	26223-2103

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; J= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable; MI = Matrix Interferance

California ELAP Certificate # 2261

ACCURACY DATA

CRG Marine Laboratories, Inc.
MATRIX SPIKE QAQC REPORT
Project ID: 26223

Sample ID: 47227-LCS1/LCS2 QAQC | **LCM - CRG Seawater** | **Date Sampled:**

Parameter	Non-Spiked Sample Concentration			Matrix Spike Results					Matrix Spike Duplicate Results					Acceptance Range
	Rep-1	Rep-2	Mean	Gross Conc.	Net Conc.	Spike Conc.	Percent Recovery	Comment	Gross Conc.	Net Conc.	Spike Conc.	Percent Recovery	Comment	
Trace Metals				*Batch ID:* **26223-15054**										
Aluminum (Al)	0	0	0	29.2	29.2	20	**146**	PASS	25.7	25.7	20	**129**	PASS	35 - 150%
Antimony (Sb)	0.12	0.12	0.12	9.68	9.56	10	**96**	PASS	10.06	9.940	10	**99**	PASS	40 - 105%
Arsenic (As)	1.87	1.87	1.87	19.06	17.19	20	**86**	PASS	19.32	17.45	20	**87**	PASS	65 - 125%
Beryllium (Be)	0	0	0	15.78	15.78	20	**79**	PASS	15.89	15.89	20	**79**	PASS	50 - 110%
Cadmium (Cd)	0.111	0.111	0.111	8.331	8.22	10	**82**	PASS	8.31	8.199	10	**82**	PASS	60 - 120%
Chromium (Cr)	0.35	0.35	0.35	20.51	20.16	20	**101**	PASS	20.47	20.12	20	**101**	PASS	70 - 130%
Cobalt (Co)	0.031	0.031	0.031	20.06	20.03	20	**100**	PASS	19.54	19.51	20	**98**	PASS	65 - 120%
Copper (Cu)	2.37	2.37	2.37	20.21	17.84	20	**89**	PASS	20.91	18.54	20	**93**	PASS	55 - 120%
Iron (Fe)	0.8	0.8	0.8	18.7	17.9	20	**90**	PASS	19.1	18.3	20	**92**	PASS	30 - 110%
Lead (Pb)	0	0	0	17.61	17.61	20	**88**	PASS	17.78	17.78	20	**89**	PASS	50 - 120%
Manganese (Mn)	0.42	0.42	0.42	19.94	19.52	20	**98**	PASS	20.71	20.29	20	**101**	PASS	50 - 120%
Mercury (Hg)	0	0	0	0.96	0.96	1	**96**	PASS	1.07	1.07	1	**107**	PASS	60 - 140%
Molybdenum (Mo)	9.64	9.64	9.64	26.39	16.75	20	**84**	PASS	27.34	17.7	20	**89**	PASS	55 - 135%
Nickel (Ni)	0.634	0.634	0.634	19.03	18.4	20	**92**	PASS	19.75	19.12	20	**96**	PASS	50 - 120%
Selenium (Se)	0.06	0.06	0.06	15.19	15.13	20	**76**	PASS	15.56	15.5	20	**77**	PASS	50 - 110%

Sample ID:	47227-LCS1/LCS2	QAQC	LCM - CRG Seawater	*Date Sampled:*

Parameter	*Non-Spiked Sample Concentration*			*Matrix Spike Results*					*Matrix Spike Duplicate Results*					*Acceptance Range*
	Rep-1	*Rep-2*	*Mean*	*Gross Conc.*	*Net Conc.*	*Spike Conc.*	*Percent Recovery*	*Comment*	*Gross Conc.*	*Net Conc.*	*Spike Conc.*	*Percent Recovery*	*Comment*	
Silver (Ag)	0	0	0	7.84	7.84	10	**78**	PASS	7.8	7.8	10	**78**	PASS	50 - 125%
Thallium (Tl)	0.008	0.008	0.008	15.48	15.47	20	**77**	PASS	15.69	15.68	20	**78**	PASS	50 - 120%
Tin (Sn)	0	0	0	19.92	19.92	20	**100**	PASS	20.05	20.05	20	**100**	PASS	50 - 125%
Titanium (Ti)	0.411	0.411	0.411	21.14	20.73	20	**104**	PASS	21.67	21.26	20	**106**	PASS	70 - 130%
Vanadium (V)	1.79	1.79	1.79	22.33	20.54	20	**103**	PASS	22.5	20.71	20	**104**	PASS	70 - 130%
Zinc (Zn)	1.758	1.758	1.758	20.37	18.61	20	**93**	PASS	20.63	18.87	20	**94**	PASS	45 - 105%

PRECISION DATA

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#: ***47227*** **Sample Description:** QAQC LCM - CRG Seawater Annual NPDES Samples, MBPP

Batch ID: 26223-15054 **Matrix:** Seawater

Date Sampled:
Date Received:
Date Processed: 27-Nov-06
Date Analyzed: 30-Nov-06

CONSTITUENT	FRACTION	METHOD	LCS1 µg/L	LCS2 µg/L	% RPD	ACCEPTANCE RANGE	COMMENT	QUALIFIER LCS1	QUALIFIER LCS2
Aluminum (Al)	Total	EPA 1640m	29.2	25.7	13	0 - 30%	PASS		
Antimony (Sb)	Total	EPA 1640m	9.68	10.06	4	0 - 30%	PASS		
Arsenic (As)	Total	EPA 1640m	19.06	19.32	1	0 - 30%	PASS		
Beryllium (Be)	Total	EPA 1640m	15.78	15.89	1	0 - 30%	PASS		
Cadmium (Cd)	Total	EPA 1640m	8.331	8.31	0	0 - 30%	PASS		
Chromium (Cr)	Total	EPA 1640m	20.51	20.47	0	0 - 30%	PASS		
Cobalt (Co)	Total	EPA 1640m	20.06	19.54	3	0 - 30%	PASS		
Copper (Cu)	Total	EPA 1640m	20.21	20.91	3	0 - 30%	PASS		
Iron (Fe)	Total	EPA 1640m	18.7	19.1	2	0 - 30%	PASS		
Lead (Pb)	Total	EPA 1640m	17.61	17.78	1	0 - 30%	PASS		
Manganese (Mn)	Total	EPA 1640m	19.94	20.71	4	0 - 30%	PASS		
Mercury (Hg)	NA	EPA 245.7m	0.96	1.07	11	0 - 30%	PASS		
Molybdenum (Mo)	Total	EPA 1640m	26.39	27.34	4	0 - 30%	PASS		
Nickel (Ni)	Total	EPA 1640m	19.03	19.75	4	0 - 30%	PASS		
Selenium (Se)	Total	EPA 1640m	15.19	15.56	2	0 - 30%	PASS		
Silver (Ag)	Total	EPA 1640m	7.84	7.8	1	0 - 30%	PASS		
Thallium (Tl)	Total	EPA 1640m	15.48	15.69	1	0 - 30%	PASS		
Tin (Sn)	Total	EPA 1640m	19.92	20.05	1	0 - 30%	PASS		
Titanium (Ti)	Total	EPA 1640m	21.14	21.67	2	0 - 30%	PASS		
Vanadium (V)	Total	EPA 1640m	22.33	22.5	1	0 - 30%	PASS		
Zinc (Zn)	Total	EPA 1640m	20.37	20.63	1	0 - 30%	PASS		

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; E= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Trace Metals

Client: ***LSP Morro Bay, LLC*** **CRG Project ID:** ***26223***

CRG ID#:	***47225***	**Sample Description:**	MB6685 Discharge Annual NPDES Samples, MBPP	**Date Sampled:**	07-Nov-06	09:50
				Date Received:	09-Nov-06	
Batch ID:	26223-2103	**Matrix:**	Seawater	**Date Processed:**	27-Nov-06	
				Date Analyzed:	30-Nov-06	

CONSTITUENT	FRACTION	METHOD	R1 µg/L	R2 µg/L	% RPD	ACCEPTANCE RANGE	COMMENT	QUALIFIER R1	QUALIFIER R2
Aluminum (Al)	Total	EPA 1640m	14	15	7	0 - 30%	PASS		
Antimony (Sb)	Total	EPA 1640m	0.17	0.29	52	0 - 30%	FAIL		
Arsenic (As)	Total	EPA 1640m	1.47	1.53	4	0 - 30%	PASS		
Cadmium (Cd)	Total	EPA 1640m	0.04	0.028	35	0 - 30%	FAIL	NA	NA
Chromium (Cr)	Total	EPA 1640m	0.35	0.38	8	0 - 30%	PASS		
Cobalt (Co)	Total	EPA 1640m	0.025	0.038	41	0 - 30%	FAIL	NA	NA
Copper (Cu)	Total	EPA 1640m	1	0.86	15	0 - 30%	PASS		
Iron (Fe)	Total	EPA 1640m	34	31.1	9	0 - 30%	PASS		
Lead (Pb)	Total	EPA 1640m	0.033	0.026	24	0 - 30%	PASS		
Manganese (Mn)	Total	EPA 1640m	0.73	0.8	9	0 - 30%	PASS		
Molybdenum (Mo)	Total	EPA 1640m	9.657	8.359	14	0 - 30%	PASS		
Nickel (Ni)	Total	EPA 1640m	1.244	1.095	13	0 - 30%	PASS		
Selenium (Se)	Total	EPA 1640m	0.16	0.14	13	0 - 30%	PASS		
Thallium (Tl)	Total	EPA 1640m	0.006	0.008	29	0 - 30%	PASS		
Titanium (Ti)	Total	EPA 1640m	1.491	1.289	15	0 - 30%	PASS		
Vanadium (V)	Total	EPA 1640m	1.67	1.79	7	0 - 30%	PASS		
Zinc (Zn)	Total	EPA 1640m	2.552	2.577	1	0 - 30%	PASS		

MDL= Method Detection Limit (CFR 40 Part 136); RL= Reporting Limit; E= Estimated Value below the RL and above the MDL; ND= Not Detected; NA= Not Applicable.

California ELAP Certificate # 2261

CHAIN-OF-CUSTODY

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
PHONE (310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

Client Name	LSP MORRO BAY, LLC
Address	1290 EMBARCADERO RD. MORRO BAY, CA 93442
Sampled By	BARRY LAJOIE
Project Manager	BARRY LAJOIE
Phone	(805) 595-4229
FAX	(805) 595-4267
Email	BARRY.LAJOIE@WOODGROUP.COM
Project Name/Number	ANNUAL NPDES SAMPLES, MBPP
P.O. Number	MB-210729

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	REQUESTED ANALYSIS: TRACE METALS BY EPA 1640
1	MB1085: DISCHARGE	11/7/06	9:50AM	SEAWATER	2	1-L PLASTIC	X
2	MB1086: INTAKE	11/7/06	9:29AM	SEAWATER	2	1-L PLASTIC	X
3							
4							
5							
6							
7							
8							
9							
10							

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments:

CRG Project ID: _____ (lab use only)

CRG Sample ID: _____ (lab use only)

RELINQUISHED BY

Signature:	
Print:	BARRY LAJOIE
Company:	LSP MORRO BAY, LLC
DATE:	11/7/06 TIME: 11:00AM

RECEIVED BY

Signature:	
Print:	Lina
Company:	CRG
DATE:	11.09.06 TIME: 0815

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

CRG
Marine Laboratories, Inc.

SAMPLE RECEIVING

CRG Project ID
~~P26283~~
P24223

CLIENT NAME LSP Morro Bay

DATE RECEIVED 11-09-06

COURIER INFORMATION

☐ CRG	☑ FEDEX	TRACKING NUMBER 8557 3156 1881
☐ OTHER*	☐ UPS	

TEMPERATURE

10 °C

☑ BLUE ICE
☐ WET ICE
☐ NO ICE

Chain-of-Custody

☑ INCLUDED
☑ SIGNED
☐ NOT INCLUDED

SAMPLE MATRIX

☑ LIQUID
☐ SOLID
☐ OTHER*

CONDITION OF SAMPLES UPON ARRIVAL

	YES	NO*	NA
All sample containers intact and good condition	☑	☐	☐
All samples listed on COC are present	☑	☐	☐
Sample ID on containers consistent with COC	☑	☐	☐
Correct containers used for analyses requested	☑	☐	☐
All samples received within method holding time	☑	☐	☐

*NOTES

COMPLETED BY: DV

2020 Del Amo Boulevard Suite 200, Torrance, CA 90501 · (310) 533-5190 · FAX (310) 533-5003

DISCHARGE SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DUKE ENERGY POWER SERVICES.
MORRO BAY POWER PLANT
1290 EMBARCADERO
MORRO BAY, CA 93442

FACILITY I.D.	BEGINNING YEAR/ MO/ DAY	ENDING YEAR/ MO/ DAY	ST. CODE	NPDES PERMIT #
3 402003002	06/ 01/ 01	06/ 12/ 31	06	CA0003743

STATION	DISCH 001A			INTAKE			DISCH 001			INTAKE			DISCH 001			DISCH 001			INTAKES			DISCH 001		
ANALYSIS	FLOW			TEMPERATURE			TEMPERATURE			TEMPERATURE			TEMPERATURE			RES CHLOR			PH			PH		
UNITS	MGD			DEGREES F			DEGREES F			DEGREES F			DEGREES F			MG/ L			PH UNITS			PH UNITS		
SMPL TYPE	RECORDED			-------			-------			-------			-------			GRAB			GRAB			GRAB		
FREQ	DAILY			DAILY			DAILY			@HEAT TRMT			@HEAT TRMT			WEEKLY			WKLY@CHLOR			WKLY@CHLOR		
	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO
JAN	14.1	209.9	2.0	53.2	55.5	50.5	54.3	60.0	52.5	no	heat	trmt	no	heat	trmt	no	chlorinatior		no	chlorinatior		no	chlorinatior	
FEB	4.8	24.1	2.0	52.4	54.5	51.5	53.1	54.5	52.0	no	heat	trmt	no	heat	trmt	no	chlorinatior		no	chlorinatior		no	chlorinatior	
MAR	4.2	20.9	2.0	52.3	54.5	51.0	53.6	55.0	52.5	no	heat	trmt	no	heat	trmt	no	chlorinatior		no	chlorinatior		no	chlorinatior	
APR	4.2	20.9	2.0	55.1	57.5	53.0	56.0	57.5	55.0	no	heat	trmt	no	heat	trmt	no	chlorinatior		no	chlorinatior		no	chlorinatior	
MAY	116.4	405.2	2.0	54.4	58.0	53.0	58.5	65.5	55.0	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.76	7.83	7.62	7.68	7.76	7.55
JUN	191.5	405.2	2.0	55.6	56.8	54.5	60.7	66.0	55.5	no	heat	trmt	no	heat	trmt	0.06	0.11	ND (<0.07)	7.79	7.84	7.74	7.75	7.82	7.68
JUL	319.8	405.2	2.0	58.4	63.2	55.1	66.6	77.2	56.4	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.79	7.93	7.62	7.72	7.82	7.54
AUG	14.0	165.8	2.0	60.9	64.4	57.8	62.5	68.6	58.7	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.94	8.10	7.78	7.88	8.04	7.72
SEP	87.9	405.2	2.0	58.7	60.6	56.2	61.8	69.2	56.9	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.75	7.77	7.72	7.73	7.75	7.70
OCT	5.3	24.1	2.0	59.2	61.1	58.0	59.7	61.1	58.7	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.67	7.67	7.67	7.64	7.64	7.64
NOV	5.0	38.8	2.0	56.1	59.9	53.2	57.1	60.2	54.3	no	heat	trmt	no	heat	trmt	no	chlorinatior		no	chlorinatior		no	chlorinatior	
DEC	31.0	212.7	2.0	54.6	57.0	52.9	56.2	68.1	53.5	no	heat	trmt	no	heat	trmt	ND (<0.07)	ND (<0.07)	ND (<0.07)	7.91	7.91	7.91	7.86	7.86	7.86
YEARLY	66.5	405.2	2.0	55.9	64.4	50.5	58.3	77.2	52.0	NO	HEAT	TRMT	NO	HEAT	TRMT	0.005	0.11	ND (<0.07)	7.80	8.10	7.62	7.75	8.04	7.54
TIMES EXCEEDED	MAX:						MAX:						MAX:									pH < 7.0 = 0		
TIMES EXCEEDED	725 = 0						INTAKE + 30 = 0						INTAKE + 35 = 0									pH >8.3 = 0		
TIMES EXCEEDED																						pH Diff. <0.2 = 0		

REMARKS: (1) Flow data in April and October were normalized to 24 hour period to reflect changes due to Daylight Savings Time

0.0078571

(2) ND = "Not Detected" at or above specified laboratory reporting limit (ex. <0.01).

PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF AUTHORIZED AGENT	DATE
STEVEN C. GOSCHKE		

DISCHARGE SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DUKE ENERGY POWER SERVICES.
MORRO BAY POWER PLANT
1290 EMBARCADERO
MORRO BAY, CA 93442

	FACILITY I.D.	BEGINNING YEAR/ MO/ DAY	ENDING YEAR/ MO/ DAY	ST. CODE	NPDES PERMIT #
Q2	3 402003002	06/ 01/ 01	06/ 12/ 31	06	CA0003743

STATION	DISCH 001B			DISCHG 001C			DISCH 001C			DISCHG 001C						DISCHG 001E			DISCHG 001E					
ANALYSIS	FLOW			FLOW			T. SUS SOLIDS			OIL & GREASE						FLOW			T SUS SOLIDS					
UNITS	1000 GPD			1000 GPD			MG/ L			MG/ L						1000 GPD			MG/ L					
SMPL TYPE	ESTIMATED			ESTIMATED			GRAB			GRAB						ESTIMATED			GRAB					
FREQ	DAILY			DAILY			WEEKLY			WEEKLY						DAILY			@DISCHG					
	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO				AVG	HI	LO	AVG	HI	LO			
JAN	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge					8.7	178.9	0.0	9.0	9.0	9.0			
FEB	1200	1200	1200	50.5	373.0	0.0	3.5	7.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)					no discharge			no discharge				
MAR	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge					5.6	90.9	0.0	18.0	18.0	18.0			
APR	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge					4.8	91.6	0.0	8.0	8.0	8.0			
MAY	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge						no discharge			no discharge				
JUN	1200	1200	1200	46.7	326.4	0.0	11.0	15.0	7.0	ND (<5)	ND (<5)	ND (<5)				3.4	102.4	0.0	ND (<5)	ND (<5)	ND (<5)			
JUL	1200	1200	1200	84.4	340.7	0.0	4.0	6.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)					no discharge			no discharge				
AUG	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge						no discharge			no discharge				
SEP	1200	1200	1200	49.6	354.1	0.0	9.0	13.0	5.0	ND (<5)	ND (<5)	ND (<5)					no discharge			no discharge				
OCT	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge						no discharge			no discharge				
NOV	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge						no discharge			no discharge				
DEC	1200	1200	1200	0.0	0.0	0.0		no discharge			no discharge					3.5	75.7	0.0	6.0	6.0	6.0			
YEARLY	1200	1200	1200	19.3	373.0	0.0	6.9	15.0	5.0	ND (<5)	ND (<5)	ND (<5)				5.2	178.9	0.0	8.2	18.0	6.0			
TIMES EXCEEDED							30-D AV 30=0			30-D AV 15=0									30-D AV 30=0					
TIMES EXCEEDED							D MAX 100=0			D MAX 20=0									D MAX 100=0					
TIMES EXCEEDED																								

REMARKS: (1) ND = "Not Detected" at or above specified laboratory reporting limit (ex. <0.01).

PRINCIPAL EXECUTIVE OFFICER
STEVEN C. GOSCHKE

SIGNATURE OF AUTHORIZED AGENT	DATE

DISCHARGE SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DUKE ENERGY POWER SERVICES.
MORRO BAY POWER PLANT
1290 EMBARCADERO
MORRO BAY, CA 93442

	FACILITY I.D.	BEGINNING YEAR/ MO/ DAY	ENDING YEAR/ MO/ DAY	ST. CODE	NPDES PERMIT #
Q2	3 402003002	06/ 01/ 01	06/ 12/ 31	06	CA0003743

STATION	DISCH 001E			DISCHG 001E			DISCHG 001E			DISCHG 001F			DISCHG 001F			DISCHG 001F			INTAKES			DISCH 001		
ANALYSIS	OIL & GREASE			COPPER			IRON			FLOW			T SUS SOLIDS			OIL & GREASE			PH			PH		
UNITS	MG/ L			MG/ L			MG/ L			1000 GPD			MG/ L			MG/ L			PH UNITS			PH UNITS		
SMPL TYPE	GRAB			GRAB			GRAB			ESTIMATED			GRAB			GRAB			GRAB			GRAB		
FREQ	WEEKLY			@CHMWST DIS			@CHMWST DIS			DAILY			WEEKLY			WEEKLY			@CHMWST DIS			@CHMWST DIS		
	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO
JAN	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		10.6	51.0	4.2	2.4	6.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
FEB		no discharge			no discharge			no discharge		10.5	49.3	4.5	1.5	6.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
MAR	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		7.6	21.9	3.6	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
APR	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		8.6	17.9	4.2	2.5	10.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
MAY		no discharge			no discharge			no discharge		13.1	41.0	3.6	1.0	5.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
JUN	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		15.4	30.1	4.8	1.5	6.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
JUL		no discharge			no discharge			no discharge		17.3	50.7	6.6	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
AUG		no discharge			no discharge			no discharge		8.4	38.0	3.8	1.0	5.0	ND (<5)	1.2	6.0	ND (<5)		no discharge			no discharge	
SEP		no discharge			no discharge			no discharge		14.2	48.0	3.7	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
OCT		no discharge			no discharge			no discharge		6.0	12.3	2.8	1.0	5.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
NOV		no discharge			no discharge			no discharge		7.2	24.1	3.3	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
DEC	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		8.3	36.6	3.1	10.0	40.0	ND (<5)	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge	
YEARLY	ND (<5)	ND (<5)	ND (<5)		no discharge			no discharge		10.6	51.0	2.8	1.7	40.0	0.0	0.1	6.0	ND (<5)		no discharge			no discharge	
TIMES EXCEEDED	30-D AV 15=0			30-D AVG 1=0			30-D AV 1=0						30-D AV 30=0			30-D AV 15=0								
TIMES EXCEEDED	D MAX 20=0			D MAX 1=0			D MAX1=0						D MAX 100=0			D MAX 20=0								
TIMES EXCEEDED																								

REMARKS: (1) ND = "Not Detected" at or above specified laboratory reporting limit (ex. <0.01).

PRINCIPAL EXECUTIVE OFFICER
STEVEN C. GOSCHKE

SIGNATURE OF AUTHORIZED AGENT	DATE

DISCHARGE SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DUKE ENERGY POWER SERVICES.
MORRO BAY POWER PLANT
1290 EMBARCADERO
MORRO BAY, CA 93442

	FACILITY I.D.	BEGINNING YEAR/ MO/ DAY	ENDING YEAR/ MO/ DAY	ST. CODE	NPDES PERMIT #
Q2	3 402003002	06/ 01/ 01	06/ 12/ 31	06	CA0003743

STATION	DISCH 001			DISCH 001			DISCH 001			DISCH 001			DISCH 001			DISCH 001			DISCH 001			DISCH 001		
ANALYSIS	ARSENIC			CADMIUM			LEAD			SILVER			HEX CHROM			SELENIUM			MERCURY			PCB'S		
UNITS	MG/ L			MG/ L			MG/ L			MG/ L			MG/ L			MG/ L			MG/ L			MG/ L		
SMPL TYPE	GRAB			GRAB			GRAB			GRAB			GRAB			GRAB			GRAB			GRAB		
FREQ	ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY		
	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO
JAN																								
FEB																								
MAR																								
APR																								
MAY																								
JUN																								
JUL																								
AUG																								
SEP																								
OCT																								
NOV	0.0015	0.0015	0.0015	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	ND <0.00004	ND <0.00004	ND <0.00004	0.00038	0.00038	0.00038	0.00016	0.00016	0.00016	ND <0.00002	ND <0.00002	ND <0.00002	ND <0.0005	ND <0.0005	ND <0.0005
DEC																								
YEARLY	0.0015	0.0015	0.0015	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003	ND <0.00004	ND <0.00004	ND <0.00004	0.00038	0.00038	0.00038	0.00016	0.00016	0.00016	ND <0.00002	ND <0.00002	ND <0.00002	ND <0.0005	ND <0.0005	ND <0.0005
TIMES EXCEEDED	6-M MED 0.06=0			6-M MED 0.01=0			6-M MED 0.02=0			6-M MED 0.0063=0			6-M MED 0.02=0			6-M MED 0.17=0			6-M MED 0.0005=0					
TIMES EXCEEDED	D MAX 0.33=0			D MAX 0.05=0			D MAX 0.09=0			D MAX 0.0303=0			D MAX 0.09=0			D MAX 0.68=0			D MAX 0.0018=0					
TIMES EXCEEDED	I MAX 0.88=0			I MAX 0.11=0			I MAX 0.23=0			I MAX 0.0781=0			I MAX 0.23=0			I MAX 1.71=0			I MAX 0.046=0					

REMARKS: (1) ND = "Not Detected" at or above the laboratory reporting limit specified in parenthasis "( )".

(2) Though analyzed by both EPA 3010/ 200.8 and EPA 1640, reporting limit for silver presented above is based on EPA 1640 analysis. Laboratory reported matrix interference problems using EPA 3010/ 2008 and therefore reported elevated reporting limits abo six-month discharge limit for silver.

PRINCIPAL EXECUTIVE OFFICER
STEVEN C. GOSCHKE

SIGNATURE OF AUTHORIZED AGENT	DATE

DISCHARGE SELF MONITORING REPORT

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CA 93401

DUKE ENERGY POWER SERVICES.
MORRO BAY POWER PLANT
1290 EMBARCADERO
MORRO BAY, CA 93442

	FACILITY I.D.	BEGINNING YEAR/ MO/ DAY	ENDING YEAR/ MO/ DAY	ST. CODE	NPDES PERMIT #
Q2	3 402003002	06/ 01/ 01	06/ 12/ 31	06	CA0003743

STATION	DISCH 001						DISCH 001			DISCH 001			DISCH 001			DISCH 001						DISCH 001		
ANALYSIS	DISS OXYGEN						COPPER			NICKEL			ZINC			AMMONIA (N)						CHRON TOX		
UNITS	MG/ L						MG/ L			MG/ L			MG/ L			MG/ L						TUc		
SMPL TYPE	GRAB						GRAB			GRAB			GRAB			GRAB						GRAB		
FREQ	QUARTERLY						ANNUALLY			ANNUALLY			ANNUALLY			ANNUALLY						ANNUALLY		
	AVG	HI	LO				AVG	HI	LO	AVG	HI	LO	AVG	HI	LO	AVG	HI	LO				AVG	HI	LO
JAN																								
FEB	9.5	9.5	9.5																					
MAR																								
APR																								
MAY	8.7	8.7	8.7																					
JUN																								
JUL	8.1	8.1	8.1																					
AUG																								
SEP																								
OCT	8.7	8.7	8.7																					
NOV							0.0010	0.0010	0.0010	0.0012	0.0012	0.0012	0.0026	0.0026	0.0026	0.11	0.11	0.11				1.0	1.0	1.0
DEC																								
YEARLY	8.8	9.5	8.1				0.0010	0.0010	0.0010	0.0012	0.0012	0.0012	0.0026	0.0026	0.0026	0.11	0.11	0.11				1.0	1.0	1.0
TIMES EXCEEDED							6-M MED 0.01=0			6-M MED 0.06=0			6-M MED 0.14=0			6-M MED 6.84=0								
TIMES EXCEEDED							D MAX 0.12=0			D MAX 0.23=0			D MAX 0.83=0			D MAX 27.36=0						D MAX 11.4=0		
TIMES EXCEEDED	I MIN <5 = 0						I MAX 0.32=0			I MAX 0.57=0			I MAX 2.20=0			I MAX 68.40=0								

REMARKS: (1) ND = "Not Detected" at or above specified laboratory reporting limit (ex. <0.01).
(2) Copper anzlyed by CRG Environmental Laboratories (ELAP Certified) using EPA method 1640 (ICP-MS-Chelation Preconcentration) to address known matrix interference due to high sodium (Na) levels in sea water.

PRINCIPAL EXECUTIVE OFFICER
STEVEN C. GOSCHKE

SIGNATURE OF AUTHORIZED AGENT	DATE