



**Pacific Gas and
Electric Company**

Curt Russell
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September 15, 2005

Robert Perdue
Executive Officer
California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring Drive, Suite 100
Palm Desert, CA 92260

Subject: August 2005 Monthly Report for the
Interim Measure No. 3 Groundwater Remediation System at the
PG&E Topock Compressor Station, Needles, California

Dear Mr. Perdue:

Enclosed is the August 2005 Monthly Report for the Pacific Gas and Electric Company's (PG&E) Topock Compressor Station, Interim Measure (IM) No. 3 Groundwater Treatment System is enclosed. PG&E is submitting this First Month Report for August 2005, in compliance with the Waste Discharge Requirements (WDRs) issued by the Colorado River Basin Regional Water Quality Control Board (CRBRWQCB) under Board Order R7-2004-0103. WDRs under Board Order R7-2004-0103 apply to discharge by subsurface injection only.

In addition to Board Order No. R7-2004-0103 for discharge to injection wells, the CRBRWQCB issued WDRs for discharge to the Colorado River (Board Order R7-2004-0100) and to the PG&E Compressor Station (Board Order R7-2004-0080). To date, there has been no system discharge to the Colorado River or the PG&E Compressor Station. PG&E has no plans to exercise these options at this time.

If you have any questions regarding this report, please call me at (760) 326-5582.

Sincerely,

Enclosures:

August 2005 Monthly Report for the IM No. 3 Groundwater Treatment System


cc: Jose Cortez, RWQCB
Liann Chavez, RWQCB
Norman Shopay, DTSC

**August 2005 Monthly Report
for Interim Measures No. 3 Groundwater Treatment System
Waste Discharge Requirements Order No. R7-2004-0103
PG&E Topock Compressor Station
Needles, California**

Prepared for
Pacific Gas and Electric Company

September 15, 2005

This report was prepared under the supervision of a
California Certified Professional Engineer (P.E.)



Dennis Fink, P.E. No. 68986

Project Engineer

August 2005 Monthly Report for Interim Measures No. 3 Groundwater Treatment System

**Waste Discharge Requirements
Order No. R7-2004-0103
PG&E Topock Compressor Station
Needles, California**

Prepared for
**California Regional Water Quality Control Board
Colorado River Basin Region**

on behalf of
Pacific Gas and Electric Company

September 15, 2005

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A	Laboratory Analytical Reports
B	Copy of Signature Delegation Letter

Acronyms and Abbreviations

Ave.	Average
CRBRWQCB	Colorado River Basin Regional Water Quality Control Board
gpm	gallons per minute
Max.	Maximum
mg/L	milligrams per liter
NTU	nephelometric turbidity units
PG&E	Pacific Gas and Electric Company
ppb	Parts per billion
pH	standard pH units
RO	Reverse Osmosis
ROWD	Report of Waste Discharge
USEPA	U.S. Environmental Protection Agency
WDR	Waste Discharge Requirements
µg/L	micrograms per liter
µmhos/cm	micro ohms per centimeter

1.0 Introduction

Pacific Gas and Electric Company (PG&E) is implementing an Interim Measure (IM) to address chromium concentrations in groundwater at the Topock Compressor Station near Needles, California. The IM consists of groundwater extraction for hydraulic control of the plume boundaries in the Colorado River floodplain and management of extracted groundwater. The groundwater extraction, treatment, and injection systems collectively are referred to as IM No. 3.

California Regional Water Quality Control Board Colorado River Basin Region (CRBRWQCB) Order No. R7-2004-0103 authorizes PG&E to re-inject treated groundwater into injection wells located on San Bernardino County Assessor's Parcel No. 650-151-06. The Monitoring and Reporting Program under Order No. R7-2004-0103 requires monthly monitoring reports to be submitted by the 15th day of the following month. This report covers monitoring activities related to operation of the IM No. 3 groundwater treatment system for August 2005.

In addition to Board Order No. R7-2004-0103, the CRBRWQCB issued WDRs for discharge to the Colorado River (Board Order R7-2004-0100) and reuse the PG&E Compressor Station (Board Order R7-2004-0080). To date, there has been no system discharge to the Colorado River or reuse at the PG&E Compressor Station. PG&E has no plans to exercise these options at this time.

2.0 Sampling Station Locations

Table 1 lists the locations of sampling stations. The attached figures were provided in PG&E's Sampling Locations letter to the CRBRWQCB Executive Officer dated June 29, 2005.

3.0 Description of Activities

During this reporting period, treatment system operation and discharge to injection well IW-2 was conducted 24 hours per day, seven days per week with exceptions for system shutdowns due to power outages.

4.0 Groundwater Treatment System Flowrates

The August 2005 treatment system monthly average flowrates are presented in Table 2.

The system influent flowrate was measured by continuous meters at groundwater extraction wells TW-2D and TW-2S (see Figure TP-RP-10-10-11). The treatment system effluent flowrate was measured by continuous meter at the piping into injection well IW-2 (see Figure TP-RP-10-10-03). The RO concentrate flowrate was measured by continuous meter at the piping carrying water from RO concentrate tank T-701 to the truck load-out station (see Figure TP-RP-10-10-08).

System shut-down periods were noted on August 3, 5, 9, 11, 12, 13, 15, 21, 23, and 24, 2005. The longest shutdown period occurred on August 15, which lasted about 15.5 hours (between 2:07 am and 5:39 pm) in order to troubleshoot and physically inspect the pipeline due a leak detection system alarm that occurred while re-starting the plant after a power outage. The alarm condition was determined to be a communication issue with the control panel and not a leak. The alarm condition was subsequently corrected by the manufacturer in late-August. A portable generator is onsite to provide back-up power during outages.

Between August 14, 2005 at 10:50 am and August 15 at 8:30 am, continuous influent and effluent flow data was not automatically recorded and archived while computer programming modifications were in progress. The treatment system shut down due to a power failure on August 15 at approximately 2:00 am. The influent flow that was not recorded between August 14, 2005 at 10:50 am and August 15 at 2:00 am, was estimated to be approximately 62,300 gallons assuming an average system influent flowrate of about 66 gpm observed on August 14, 2005. The effluent flow during this same time period was estimated to be approximately 64,200 gallons assuming an average system effluent flowrate of about 68 gpm observed on August 14, 2005. System effluent flow rates will vary depending on system operation to the injection wells.

The RO concentrate flowmeter was not accurately reporting flowrates from August 1 to August 18, 2005. The RO concentrate flow meter was repaired August 18, 2005 at 4:00 PM. The average flow rate for RO concentrate during August 2005, reported in Table 2, has been estimated by calculating the August 1 to August 18, 2005 flowrate based on flowrate data from August 18 to August 31, 2005.

5.0 Sampling and Analytical Procedures

All samples were collected at the designated sampling locations from sample taps and placed directly into containers provided by Truesdail Laboratories, Inc. Sample containers were labeled and packaged according to standard sampling procedures.

The samples were stored in a cooler at 4° Celsius and transported to Truesdail Laboratories, Inc. or EMAX Laboratories, Inc. via a courier service under chain-of-custody documentation. Truesdail Laboratories, Inc. is certified by the California Department of Health Services (Certification #1237) under the State of California's Environmental Laboratory Accreditation Program. EMAX, Inc. is certified by the California Department of Health Services (Certification #02166) under the State of California's Environmental Laboratory Accreditation Program. All analyses were performed in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), promulgated by the U.S. Environmental Protection Agency (USEPA).

As required by the Monitoring and Reporting Program, the analytical method selected for total chromium had a method detection limit of 1.0 parts per billion (ppb) and the analytical method selected for hexavalent chromium had a method detection limit of 0.2 ppb.

No sludge was transported offsite during the month of August 2005. Therefore, no sludge samples were collected or analyzed during this reporting period.

Groundwater quality is being monitored in the surrounding observation and compliance wells following procedures and schedules approved in the Groundwater Compliance Monitoring Plan for Interim Measures No. 3 Injection Area (CH2M HILL, 2005). Reporting of analytical results will be done on a quarterly basis as a stand alone document, and will be released in conjunction with groundwater level maps of the same monitoring wells. The first report is scheduled for release on Friday, October 14, 2005.

6.0 Analytical Results

Reports prepared by the certified analytical laboratory are presented in Appendix A. Influent, effluent and RO concentrate sample analytical results are presented in Tables 3, 4 and 5, respectively. Table 6 lists the following monitoring information:

- sampler name
- sample identification number
- sample date
- sample time
- analytical date
- laboratory technician
- analytical methods.

7.0 Conclusions

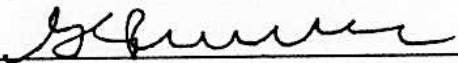
There were no exceedences of the effluent limitations during the reporting period.

8.0 Certification

PG&E submitted a signature delegation letter to the CRBRWQCB on August 12, 2005. The letter delegated PG&E signature authority to Mr. Curt Russell and Ms. Yvonne Meeks for correspondence regarding Board Order R7-2004-0103. A copy of the signature delegation letter is presented in Appendix B.

Certification Statement:

I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Signature: 

Name: Curt Russell

Company: Pacific Gas and Electric Company

Title: Topock Onsite Project Manager

Date: September 15, 2005

Tables

TABLE 1
Sampling Station Locations
August 2005 Report for IM No. 3 Groundwater Treatment System

Sample Station	Location
Groundwater Treatment System Influent	Sample tap on pipe into T-100 (see Figure TP-RP-10-10-04).
Groundwater Treatment System Effluent	Sample tap on pipe downstream from T-700 (see Figure TP-RP-10-10-04).
Groundwater Treatment System Reverse Osmosis (RO) Concentrate	Sample tap on pipe into T-701 (see Figure TP-RP-10-10-08).
Groundwater Treatment System Sludge	Composite sludge samples to be taken from each treatment tank whose purpose is to accumulate sludge for disposal (see Figure TP-RP-10-10-06).

TABLE 2
Flow Monitoring Results
August 2005 Report for IM No. 3 Groundwater Treatment System

Parameter	System Influent	System Effluent	RO Concentrate
Average Monthly Flowrate (gpm)	72.9	62.2	10.0

TABLE 3
Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)
Influent Monitoring Results ^a
August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Sampling Frequency		Twice Weekly						Monthly																
Sample ID	Date	TDS mg/L	Turbidity NTU	Specific Conductance µmhos/cm	pH pHunits	Chromium µg/L	Hexavalent Chromium µg/L	Aluminium µg/L	Ammonia (as N) mg/L	Antimony µg/L	Arsenic µg/L	Barium µg/L	Boron mg/L	Copper µg/L	Fluoride mg/L	Lead µg/L	Manganese µg/L	Molybdenum µg/L	Nickel µg/L	Nitrate mg/L	Nitrite mg/L	Sulfate mg/L	Iron µg/L	Zinc µg/L
SC-100B-WDR-001	8/1/2005	6100	0.103	9390	7.48	3850	4250	ND (52)	---	ND (5.0)	ND (10)	24.6	1.43	20.2	2.49	ND (2.8)	ND (50)	26.7	7.10	5.19	---	651	ND (310)	43.0
SC-100B-WDR-002	8/4/2005	6040 J	0.152	9140	7.60	7140	4250	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-100B-WDR-003	8/8/2005	5980 J	ND (0.1)	9240	7.54	4060	4270	---	---	ND (5.0)	ND (10)	24.3	1.37	13.5	2.54	ND (2.1)	ND (50)	26.7	7.40	5.19	---	714	ND (500)	25.0
SC-100B-WDR-004	8/11/2005	6060	ND (0.1)	9260	7.48	4830	4210 J	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-100B-WDR-005	8/16/2005	6170	0.11	9230	7.55	4750	4220	ND (200)	ND (0.5)	ND (5.0)	ND (10)	23.2	1.43	ND (5.0)	3.07	ND (2.1)	ND (50)	27.6	7.90	5.13	0.0143	710	ND (500)	ND (10)
SC-100B-WDR-006	8/18/2005	5950	ND (0.1)	9280	7.54	3960	3880	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-100B-WDR-007	8/22/2005	6000	ND (0.1)	9100	7.59	4110	4100	ND (52)	---	ND (5.0)	ND (10)	26.4	1.43	ND (5.2)	2.75	ND (2.1)	ND (52)	28.0	6.30	5.10	---	717	ND (310)	ND (26)
SC-100B-WDR-008	8/25/2005	6200	0.11	9140	7.57	3740	4270	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-100B-WDR-009	8/29/2005	4390	0.175	7060	7.61	4540	4000	ND (52)	---	ND (5.0)	ND (10)	19.1	1.02	ND (6.3)	0.906	ND (4.2)	ND (50)	22.0	ND (5.0)	5.69	---	569	ND (310)	31.6

NOTES:

(---) = not required by the WDR Monitoring and Reporting Program
µg/L = micrograms per liter
mg/L = milligrams per liter
NTU = nephelometric turbidity units
µmhos/cm = micro ohms per centimeter
ND = parameter not detected at the listed reporting limit
J = concentration or reporting limits estimated by laboratory or validation

^a Sampling Location for all Influent Samples is tap on pipe from extraction wells into tank T-100 (see attached P&ID TP-PR-10-10-04)

^b Units reported in this table are those units required in the WDRs

Boron, Calcium, Iron, Magnesium, Manganese, Potassium and Sodium were analyzed by two laboratories for some samples. This table contains data from the primary laboratory when available. Both sets of data are contained in the appendix.

TABLE 4
Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)
Effluent Monitoring Results^a
August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

WDRs Effluent Limits ^b	Ave. Monthly	NA	NA	NA	6.5-8.4	25	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Max Daily	NA	NA	NA	6.5-8.4	50	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sampling Frequency		Twice Weekly						Monthly																
<div>Sample ID</div>	<div>Analytes Units ^c</div>	TDS	Turbidity	Specific Conductance	pH	Chromium	Hexavalent Chromium	Aluminium	Ammonia (as N)	Antimony	Arsenic	Barium	Boron	Copper	Fluoride	Lead	Manganese	Molybdenum	Nickel	Nitrate (as N)	Nitrite (as N)	Sulfate	Iron	Zinc
	<div>Date</div>	mg/L	NTU	µmhos/cm	pHunits	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L
SC-700B-WDR-001	8/1/2005	2640	ND (0.1)	4450	7.89	6.80	0.31	ND (52)	---	ND (5.0)	ND (10)	104	1.41	11.9	1.47	ND (2.8)	ND (50)	ND (5.0)	ND (5.0)	2.82	---	302	ND (310)	98.5
SC-700B-080305	8/3/2005	2750	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-WDR-002	8/4/2005	2720 J	0.256	4380	7.79	ND (1.0)	0.42	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-080605	8/6/2005	2820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-080705	8/7/2005	3450	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-WDR-003	8/8/2005	3540 J	ND (0.1)	5610	8.12	1.20	ND (1.0)	---	---	ND (5.0)	ND (10)	8.00	1.32	14.7	1.82	ND (2.1)	ND (50)	9.00	6.10	3.35	---	392	ND (500)	14.8
SC-700B-WDR-004	8/11/2005	3340	ND (0.1)	5520	8.04	ND (1.0)	ND (1.0)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-WDR-005	8/16/2005	3300	ND (0.1)	5360	8.03	1.40	0.46	ND (200)	ND (0.5)	ND (5.0)	ND (10)	7.80	1.13	ND (5.0)	1.83	ND (2.1)	ND (50)	10.6	ND (5.0)	3.28	0.0211	388	ND (500)	ND (10)
SC-700B-WDR-006	8/18/2005	3320	ND (0.1)	5520	8.07	ND (1.0)	0.30	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-WDR-007	8/22/2005	3400	ND (0.1)	5510	8.05	ND (1.0)	0.36	ND (52)	---	ND (5.0)	ND (10)	11.2	1.60	ND (5.2)	1.73	ND (2.1)	ND (52)	11.1	ND (5.2)	3.24	---	387	ND (310)	ND (26)
SC-700B-WDR-008	8/25/2005	3400	ND (0.1)	5400	8.11	ND (1.0)	0.39	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-700B-WDR-009	8/29/2005	3620	0.135	5950	8.05	ND (2.1)	ND (1.0)	ND (52)	---	ND (5.0)	ND (10)	7.20	1.19	ND (5.0)	1.95	ND (4.2)	ND (50)	8.30	ND (5.0)	3.70	---	450	ND (310)	ND (21)

NOTES:

(---) = not required by the WDR Monitoring and Reporting Program
NA = not applicable
µg/L = micrograms per liter
mg/L = milligrams per liter
NTU = nephelometric turbidity units
µmhos/cm = micro ohms per centimeter
ND = parameter not detected at the listed reporting limit
J = concentration or reporting limits estimated by laboratory or validation

^a Sampling location for all Effluent Samples is tap on pipe downstream from tank T-700 to injection well IW-2 (see attached P&ID TP-PR-10-10-04)
^b In addition to the listed effluent limits, the WDRs state that the effluent shall not contain heavy metals, chemicals, pesticides or other constituents in concentrations to
^c Units reported in this table are those units required in the WDRs

Boron, Calcium, Iron, Magnesium, Manganese, Potassium and Sodium were analyzed by two laboratories for some samples. This table contains data from the primary laboratory when available. Both sets of data are contained in the appendix.

TABLE 5
Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)
Reverse Osmosis Concentrate Results ^a
August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Sampling Frequency		Twice Weekly					Monthly																
Sample ID	Date	Analytes Units ^b																					
		TDS mg/L	Specific Conductance µmhos/cm	pH pHunits	Chromium mg/L	Hexavalent Chromium mg/L	Antimony mg/L	Arsenic mg/L	Barium mg/L	Beryllium mg/L	Cadmium mg/L	Cobalt mg/L	Copper mg/L	Fluoride mg/L	Lead mg/L	Molybdenum mg/L	Mercury mg/L	Nickel mg/L	Selenium mg/L	Silver mg/L	Thallium mg/L	Vanadium mg/L	Zinc mg/L
SC-701-WDR-001	8/1/2005	19600	33400	7.84	0.0043	0.0022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-002	8/4/2005	20700 J	34500	7.90	0.0051	0.0034	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-003	8/8/2005	20900 J	33900	7.95	0.0087	0.0024	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-004	8/11/2005	20800	35300	7.95	0.0034	0.003	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-005	8/16/2005	20600	34200	7.94	0.0066	0.0028	ND (0.01)	ND (0.01)	0.057	ND (0.003)	ND (0.01)	ND (0.01)	ND (0.01)	11.9	ND (0.01)	0.0743	ND (0.0002)	0.0318	0.0209	0.0107	ND (0.015)	0.0534	ND (0.052)
SC-701-WDR-006	8/18/2005	20600	34400	7.95	ND (0.01)	0.0022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-007	8/22/2005	20600	33700	7.91	0.0014	0.0025	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-008	8/25/2005	23900	35700	7.92	0.0034	0.0022	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SC-701-WDR-009	8/29/2005	23700	38600	7.96	ND (0.0052)	0.0029	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES:

(---) = not required by the WDR Monitoring and Reporting Program
µg/L = micrograms per liter
mg/L = milligrams per liter
µmhos/cm = micro ohms per centimeter
ND = parameter not detected at the listed reporting limit
J = concentration or reporting limits estimated by laboratory or validation

^a Sampling Location for all Reverse Osmosis Samples is tap on pipe T-701 (see attached P&ID TP-PR-10-10-08)

^b Units reported in this table are those units required in the WDRs

Boron, Calcium, Iron, Magnesium, Manganese, Potassium and Sodium were analyzed by two laboratories for some samples. This table contains data from the primary laboratory when available. Both sets of data are contained in the appendix.

TABLE 6

Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-100B	SC-100B-WDR-004	Harley Booth	8/11/2005	10:00:00 AM	TLI	EPA 180.1	8/12/2005	Gautam Savani
					TLI	EPA 310.1	8/15/2005	Emilia Haley
					TLI	EPA 365.3	8/18/2005	Hope Trinidad
					TLI	EPA 370.1	8/18/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					TLI	SW 6020A	8/18/2005	Victoria Than
					TLI	SW 7199	8/12/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-005	Harley Booth	8/16/2005	10:00:00 AM	TLI	E110.2	8/17/2005	Gautam Savani
					TLI	EPA 120.1	8/17/2005	Alex Hernandez
					TLI	EPA 150.1	8/17/2005	Alex Hernandez
					TLI	EPA 160.1	8/17/2005	Emilia Haley
					TLI	EPA 160.2	8/17/2005	Emilia Haley
					TLI	EPA 180.1	8/17/2005	Gautam Savani
					TLI	EPA 300.0	8/17/2005	David Blackburn
					TLI	EPA 310.1	8/17/2005	Emilia Haley
					TLI	EPA 350.2	8/17/2005	Alex Hernandez
					TLI	EPA 354.1	8/17/2005	Hope Trinidad
					TLI	EPA 365.3	8/17/2005	Hope Trinidad
					TLI	EPA 370.1	8/18/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					EMXT	EPA 6010B	8/24/2005	Riddhi Patel
					EMXT	EPA 6010B	8/23/2005	Riddhi Patel
					TLI	EPA 7470A	8/17/2005	Riddhi Patel
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	8/19/2005	Victoria Than
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 7199	8/16/2005	David Blackburn
SC-100B	SC-100B-WDR-006	Brian Dobbs	8/18/2005	10:00:00 AM	TLI	EPA 120.1	8/19/2005	Alex Hernandez
					TLI	EPA 150.1	8/19/2005	Alex Hernandez
					TLI	EPA 160.1	8/19/2005	Emilia Haley
					TLI	EPA 160.2	8/18/2005	Emilia Haley
					TLI	EPA 180.1	8/19/2005	Gautam Savani
					TLI	EPA 310.1	8/19/2005	Emilia Haley
					TLI	EPA 365.3	8/23/2005	Hope Trinidad
					TLI	EPA 370.1	8/23/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					TLI	SW 6020A	8/23/2005	Victoria Than
SC-100B	SC-100B-WDR-007	Brian Dobbs	8/22/2005	12:30:00 PM	TLI	SW 7199	8/18/2005	David Blackburn
					TLI	EPA 120.1	8/23/2005	Alex Hernandez
					TLI	EPA 150.1	8/23/2005	Alex Hernandez
					TLI	EPA 160.1	8/23/2005	Emilia Haley
					TLI	EPA 160.2	8/22/2005	Emilia Haley
					TLI	EPA 180.1	8/23/2005	Gautam Savani
					TLI	EPA 300.0	8/23/2005	David Blackburn
					TLI	EPA 310.1	8/23/2005	Emilia Haley
					TLI	EPA 365.3	8/23/2005	Hope Trinidad
					TLI	EPA 370.1	8/23/2005	Hope Trinidad
					TLI	EPA 415.2	8/23/2005	Hope Trinidad

TABLE 6

Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-100B	SC-100B-WDR-007	Brian Dobbs	8/22/2005	12:30:00 PM	TLI	EPA 6010B	8/26/2005	Riddhi Patel
					TLI	EPA 6010B	8/29/2005	Riddhi Patel
					TLI	EPA 7470A	9/7/2005	Riddhi Patel
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	9/1/2005	Victoria Than
					TLI	SW 7199	8/23/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-008	Harley Booth	8/25/2005	11:45:00 AM	TLI	EPA 120.1	8/26/2005	Alex Hernandez
					TLI	EPA 150.1	8/26/2005	Alex Hernandez
					TLI	EPA 160.1	8/26/2005	Emilia Haley
					TLI	EPA 160.2	8/25/2005	Emilia Haley
					TLI	EPA 180.1	8/26/2005	Gautam Savani
					TLI	EPA 310.1	8/29/2005	Emilia Haley
					TLI	EPA 365.3	8/31/2005	Hope Trinidad
					TLI	EPA 370.1	8/31/2005	Hope Trinidad
					TLI	EPA 415.2	8/29/2005	Hope Trinidad
					TLI	EPA 6010B	8/26/2005	Riddhi Patel
					TLI	SW 7199	8/26/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-009	Brian Dobbs	8/29/2005	10:05:00 AM	TLI	EPA 120.1	8/30/2005	Alex Hernandez
					TLI	EPA 150.1	8/30/2005	Alex Hernandez
					TLI	EPA 160.1	8/30/2005	Emilia Haley
					TLI	EPA 160.2	8/29/2005	Emilia Haley
					TLI	EPA 180.1	8/30/2005	Gautam Savani
					TLI	EPA 300.0	8/30/2005	David Blackburn
					TLI	EPA 310.1	8/31/2005	Emilia Haley
					TLI	EPA 365.3	8/30/2005	Hope Trinidad
					TLI	EPA 370.1	8/31/2005	Hope Trinidad
					TLI	EPA 415.2	8/30/2005	Hope Trinidad
					TLI	EPA 6010B	9/7/2005	Riddhi Patel
					TLI	EPA 6010B	9/1/2005	Riddhi Patel
					TLI	EPA 6010B	9/6/2005	Riddhi Patel
					TLI	EPA 7470A	9/2/2005	Riddhi Patel
					TLI	SW 6020A	9/2/2005	Victoria Than
					TLI	SW 6020A	9/6/2005	Victoria Than
					TLI	SW 7199	8/30/2005	Vanna Kho
SC-700B	SC-700B-080305		8/3/2005	6:20:00 PM	TLI	EPA 160.1	8/5/2005	Emilia Haley
SC-700B	SC-700B-080605		8/6/2005	1:47:00 PM	TLI	EPA 160.1	8/9/2005	Emilia Haley
SC-700B	SC-700B-080705		8/7/2005	4:20:00 PM	TLI	EPA 160.1	8/9/2005	Emilia Haley
SC-700B	SC-700B-WDR-001	Shawn Duffy	8/1/2005	11:30:00 AM	TLI	EPA 120.1	8/2/2005	Alex Hernandez
					TLI	EPA 150.1	8/2/2005	Alex Hernandez
					TLI	EPA 160.1	8/2/2005	Emilia Haley
					TLI	EPA 160.2	8/2/2005	Emilia Haley
					TLI	EPA 180.1	8/2/2005	Gautam Savani
					TLI	EPA 300.0	8/2/2005	David Blackburn
					TLI	EPA 310.1	8/3/2005	Emilia Haley
					TLI	EPA 365.3	8/5/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 6010B	8/10/2005	Riddhi Patel

TABLE 6

Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-700B	SC-700B-WDR-001	Shawn Duffy	8/1/2005	11:30:00 AM	TLI	EPA 6010B	8/12/2005	Riddhi Patel
					TLI	EPA 7470A	8/5/2005	Riddhi Patel
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 6020A	8/8/2005	Victoria Than
					TLI	SW 6020A	8/11/2005	Victoria Than
					TLI	SW 6020A	8/22/2005	Victoria Than
					TLI	SW 7199	8/2/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-002	Shawn Duffy	8/4/2005	11:30:00 AM	TLI	EPA 120.1	8/5/2005	Alex Hernandez
					TLI	EPA 150.1	8/5/2005	Alex Hernandez
					TLI	EPA 160.1	8/5/2005	Emilia Haley
					TLI	EPA 160.2	8/5/2005	Emilia Haley
					TLI	EPA 180.1	8/5/2005	Gautam Savani
					TLI	EPA 365.3	8/5/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 415.2	8/9/2005	Hope Trinidad
					TLI	EPA 6010B	8/9/2005	Riddhi Patel
					TLI	SW 7199	8/5/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-003	Ken Martins	8/8/2005	10:41:00 AM	TLI	EPA 120.1	8/10/2005	Alex Hernandez
					TLI	EPA 150.1	8/9/2005	Alex Hernandez
					TLI	EPA 160.1	8/9/2005	Emilia Haley
					TLI	EPA 160.2	8/8/2005	Emilia Haley
					TLI	EPA 180.1	8/9/2005	Gautam Savani
					TLI	EPA 300.0	8/9/2005	David Blackburn
					TLI	EPA 310.1	8/9/2005	Emilia Haley
					TLI	EPA 365.3	8/17/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 415.2	8/9/2005	Hope Trinidad
					EMXT	EPA 6010B	8/23/2005	Riddhi Patel
					EMXT	EPA 6010B	8/24/2005	Riddhi Patel
					TLI	EPA 7470A	8/10/2005	Riddhi Patel
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	8/19/2005	Victoria Than
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 7199	8/9/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-004	Harley Booth	8/11/2005	10:00:00 AM	TLI	EPA 120.1	8/12/2005	Alex Hernandez
					TLI	EPA 150.1	8/12/2005	Alex Hernandez
					TLI	EPA 160.1	8/12/2005	Emilia Haley
					TLI	EPA 160.2	8/12/2005	Emilia Haley
					TLI	EPA 180.1	8/12/2005	Gautam Savani
					TLI	EPA 310.1	8/15/2005	Emilia Haley
					TLI	EPA 365.3	8/18/2005	Hope Trinidad
					TLI	EPA 370.1	8/18/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					TLI	SW 6020A	8/18/2005	Victoria Than
					TLI	SW 7199	8/12/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-005	Harley Booth	8/16/2005	10:00:00 AM	TLI	E110.2	8/17/2005	Gautam Savani
					TLI	EPA 120.1	8/17/2005	Alex Hernandez
					TLI	EPA 150.1	8/17/2005	Alex Hernandez

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Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-700B	SC-700B-WDR-005	Harley Booth	8/16/2005	10:00:00 AM	TLI	EPA 160.1	8/17/2005	Emilia Haley
					TLI	EPA 160.2	8/17/2005	Emilia Haley
					TLI	EPA 180.1	8/17/2005	Gautam Savani
					TLI	EPA 300.0	8/17/2005	David Blackburn
					TLI	EPA 310.1	8/17/2005	Emilia Haley
					TLI	EPA 350.2	8/17/2005	Alex Hernandez
					TLI	EPA 354.1	8/17/2005	Hope Trinidad
					TLI	EPA 365.3	8/17/2005	Hope Trinidad
					TLI	EPA 370.1	8/18/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					EMXT	EPA 6010B	8/23/2005	Riddhi Patel
					TLI	EPA 7470A	8/17/2005	Riddhi Patel
					TLI	SW 6020A	8/19/2005	Victoria Than
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 6020A	8/25/2005	Victoria Than
SC-700B	SC-700B-WDR-006	Brian Dobbs	8/18/2005	10:00:00 AM	TLI	SW 7199	8/16/2005	David Blackburn
					TLI	EPA 120.1	8/19/2005	Alex Hernandez
					TLI	EPA 150.1	8/19/2005	Alex Hernandez
					TLI	EPA 160.1	8/19/2005	Emilia Haley
					TLI	EPA 160.2	8/18/2005	Emilia Haley
					TLI	EPA 180.1	8/19/2005	Gautam Savani
					TLI	EPA 310.1	8/19/2005	Emilia Haley
					TLI	EPA 365.3	8/23/2005	Hope Trinidad
					TLI	EPA 370.1	8/23/2005	Hope Trinidad
					TLI	EPA 415.2	8/19/2005	Hope Trinidad
					TLI	SW 6020A	8/23/2005	Victoria Than
SC-700B	SC-700B-WDR-007	Brian Dobbs	8/22/2005	12:30:00 PM	TLI	SW 7199	8/18/2005	David Blackburn
					TLI	EPA 120.1	8/23/2005	Alex Hernandez
					TLI	EPA 150.1	8/23/2005	Alex Hernandez
					TLI	EPA 160.1	8/23/2005	Emilia Haley
					TLI	EPA 160.2	8/22/2005	Emilia Haley
					TLI	EPA 180.1	8/23/2005	Gautam Savani
					TLI	EPA 300.0	8/23/2005	David Blackburn
					TLI	EPA 310.1	8/23/2005	Emilia Haley
					TLI	EPA 365.3	8/23/2005	Hope Trinidad
					TLI	EPA 370.1	8/23/2005	Hope Trinidad
					TLI	EPA 415.2	8/23/2005	Hope Trinidad
					TLI	EPA 6010B	8/26/2005	Riddhi Patel
					TLI	EPA 6010B	8/29/2005	Riddhi Patel
					TLI	EPA 6010B	8/30/2005	Riddhi Patel
					TLI	EPA 7470A	9/7/2005	Riddhi Patel
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	9/1/2005	Victoria Than
					TLI	SW 7199	8/23/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-008	Harley Booth	8/25/2005	11:45:00 AM	TLI	EPA 120.1	8/26/2005	Alex Hernandez
					TLI	EPA 150.1	8/26/2005	Alex Hernandez
					TLI	EPA 160.1	8/26/2005	Emilia Haley
					TLI	EPA 160.2	8/25/2005	Emilia Haley

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Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-100B	SC-100B-WDR-001	Shawn Duffy	8/1/2005	11:20:00 AM	TLI	EPA 120.1	8/2/2005	Alex Hernandez
					TLI	EPA 150.1	8/2/2005	Alex Hernandez
					TLI	EPA 160.1	8/2/2005	Emilia Haley
					TLI	EPA 160.2	8/2/2005	Emilia Haley
					TLI	EPA 180.1	8/2/2005	Gautam Savani
					TLI	EPA 300.0	8/2/2005	David Blackburn
					TLI	EPA 310.1	8/3/2005	Emilia Haley
					TLI	EPA 365.3	8/5/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 6010B	8/10/2005	Riddhi Patel
					TLI	EPA 6010B	8/12/2005	Riddhi Patel
					TLI	EPA 7470A	8/5/2005	Riddhi Patel
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 6020A	8/22/2005	Victoria Than
					TLI	SW 6020A	8/8/2005	Victoria Than
					TLI	SW 6020A	8/11/2005	Victoria Than
					TLI	SW 7199	8/2/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-002	Shawn Duffy	8/4/2005	11:35:00 AM	TLI	EPA 120.1	8/5/2005	Alex Hernandez
					TLI	EPA 150.1	8/5/2005	Alex Hernandez
					TLI	EPA 160.1	8/5/2005	Emilia Haley
					TLI	EPA 160.2	8/5/2005	Emilia Haley
					TLI	EPA 180.1	8/5/2005	Gautam Savani
					TLI	EPA 365.3	8/5/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 415.2	8/9/2005	Hope Trinidad
					TLI	EPA 6010B	8/9/2005	Riddhi Patel
					TLI	SW 7199	8/5/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-003	Ken Martins	8/8/2005	10:12:00 AM	TLI	EPA 120.1	8/10/2005	Alex Hernandez
					TLI	EPA 150.1	8/9/2005	Alex Hernandez
					TLI	EPA 160.1	8/9/2005	Emilia Haley
					TLI	EPA 160.2	8/8/2005	Emilia Haley
					TLI	EPA 180.1	8/9/2005	Gautam Savani
					TLI	EPA 300.0	8/9/2005	David Blackburn
					TLI	EPA 310.1	8/9/2005	Emilia Haley
					TLI	EPA 365.3	8/17/2005	Hope Trinidad
					TLI	EPA 370.1	8/9/2005	Hope Trinidad
					TLI	EPA 415.2	8/9/2005	Hope Trinidad
					EMXT	EPA 6010B	8/24/2005	Riddhi Patel
					EMXT	EPA 6010B	8/23/2005	Riddhi Patel
					TLI	EPA 7470A	8/10/2005	Riddhi Patel
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	8/19/2005	Victoria Than
					TLI	SW 7199	8/9/2005	Jorge Arriaga
SC-100B	SC-100B-WDR-004	Harley Booth	8/11/2005	10:00:00 AM	TLI	EPA 120.1	8/12/2005	Alex Hernandez
					TLI	EPA 150.1	8/12/2005	Alex Hernandez
					TLI	EPA 160.1	8/12/2005	Emilia Haley
					TLI	EPA 160.2	8/12/2005	Emilia Haley

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Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-700B	SC-700B-WDR-008	Harley Booth	8/25/2005	11:45:00 AM	TLI	EPA 180.1	8/26/2005	Gautam Savani
					TLI	EPA 310.1	8/29/2005	Emilia Haley
					TLI	EPA 365.3	8/31/2005	Hope Trinidad
					TLI	EPA 370.1	8/31/2005	Hope Trinidad
					TLI	EPA 415.2	8/29/2005	Hope Trinidad
					TLI	EPA 6010B	8/30/2005	Riddhi Patel
					TLI	SW 7199	8/26/2005	Jorge Arriaga
SC-700B	SC-700B-WDR-009	Brian Dobbs	8/29/2005	10:00:00 AM	TLI	EPA 120.1	8/30/2005	Alex Hernandez
					TLI	EPA 150.1	8/30/2005	Alex Hernandez
					TLI	EPA 160.1	8/30/2005	Emilia Haley
					TLI	EPA 160.2	8/29/2005	Emilia Haley
					TLI	EPA 180.1	8/30/2005	Gautam Savani
					TLI	EPA 300.0	8/30/2005	David Blackburn
					TLI	EPA 310.1	8/31/2005	Emilia Haley
					TLI	EPA 365.3	8/30/2005	Hope Trinidad
					TLI	EPA 370.1	8/31/2005	Hope Trinidad
					TLI	EPA 415.2	8/30/2005	Hope Trinidad
					TLI	EPA 6010B	9/7/2005	Riddhi Patel
					TLI	EPA 6010B	9/6/2005	Riddhi Patel
					TLI	EPA 6010B	9/1/2005	Riddhi Patel
					TLI	EPA 7470A	8/31/2005	Riddhi Patel
					TLI	SW 6020A	9/6/2005	Victoria Than
					TLI	SW 6020A	9/2/2005	Victoria Than
					TLI	SW 7199	8/30/2005	Vanna Kho
SC-701	SC-701-WDR-001	Shawn Duffy	8/1/2005	11:40:00 AM	TLI	EPA 120.1	8/2/2005	Alex Hernandez
					TLI	EPA 150.1	8/2/2005	Alex Hernandez
					TLI	EPA 160.1	8/2/2005	Emilia Haley
					TLI	SW 6020A	8/11/2005	Victoria Than
					TLI	SW 7199	8/2/2005	Jorge Arriaga
SC-701	SC-701-WDR-002	Shawn Duffy	8/4/2005	11:40:00 AM	TLI	EPA 120.1	8/5/2005	Alex Hernandez
					TLI	EPA 150.1	8/5/2005	Alex Hernandez
					TLI	EPA 160.1	8/5/2005	Emilia Haley
					TLI	SW 6020A	8/9/2005	Victoria Than
					TLI	SW 7199	8/5/2005	Jorge Arriaga
SC-701	SC-701-WDR-003	Ken Martins	8/8/2005	10:50:00 AM	TLI	EPA 120.1	8/10/2005	Alex Hernandez
					TLI	EPA 150.1	8/9/2005	Alex Hernandez
					TLI	EPA 160.1	8/9/2005	Emilia Haley
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 7199	8/9/2005	Jorge Arriaga
SC-701	SC-701-WDR-004	Harley Booth	8/11/2005	10:00:00 AM	TLI	EPA 120.1	8/12/2005	Alex Hernandez
					TLI	EPA 150.1	8/12/2005	Alex Hernandez
					TLI	EPA 160.1	8/12/2005	Emilia Haley
					TLI	SW 6020A	8/18/2005	Victoria Than
					TLI	SW 7199	8/12/2005	Jorge Arriaga
SC-701	SC-701-WDR-005	Harley Booth	8/16/2005	10:00:00 AM	TLI	E110.2	8/17/2005	Gautam Savani
					TLI	EPA 120.1	8/17/2005	Alex Hernandez
					TLI	EPA 150.1	8/17/2005	Alex Hernandez

TABLE 6

Board Order No. R7-2004-0103 Waste Discharge Requirements (WDRs)

Monitoring Information

August 2005 Monthly Report for Interim Measures No.3 Groundwater Treatment System

Location	Sample ID	Sampler Name	Sample Date	Sample Time	Lab	Analysis Method	Analysis Date	Lab Technician
SC-701	SC-701-WDR-005	Harley Booth	8/16/2005	10:00:00 AM	TLI	EPA 160.1	8/17/2005	Emilia Haley
					TLI	EPA 180.1	8/17/2005	Gautam Savani
					TLI	EPA 300.0	8/17/2005	David Blackburn
					EMXT	EPA 6010B	8/23/2005	Riddhi Patel
					EMXT	EPA 6010B	8/24/2005	Riddhi Patel
					TLI	EPA 7470A	9/2/2005	Riddhi Patel
					TLI	SW 6020A	8/23/2005	Victoria Than
					TLI	SW 6020A	8/25/2005	Victoria Than
					TLI	SW 6020A	9/1/2005	Victoria Than
					TLI	SW 6020A	8/19/2005	Victoria Than
SC-701	SC-701-WDR-006	Brian Dobbs	8/18/2005	10:00:00 AM	TLI	SW 7199	8/17/2005	David Blackburn
					TLI	EPA 120.1	8/19/2005	Alex Hernandez
					TLI	EPA 150.1	8/19/2005	Alex Hernandez
					TLI	EPA 160.1	8/19/2005	Emilia Haley
					TLI	SW 6020A	8/23/2005	Victoria Than
SC-701	SC-701-WDR-007	Brian Dobbs	8/22/2005	12:30:00 PM	TLI	SW 7199	8/18/2005	David Blackburn
					TLI	EPA 120.1	8/23/2005	Alex Hernandez
					TLI	EPA 150.1	8/23/2005	Alex Hernandez
					TLI	EPA 160.1	8/23/2005	Emilia Haley
					TLI	EPA 6010B	8/30/2005	Riddhi Patel
SC-701	SC-701-WDR-008	Harley Booth	8/25/2005	11:50:00 AM	TLI	SW 7199	8/23/2005	Jorge Arriaga
					TLI	EPA 120.1	8/26/2005	Alex Hernandez
					TLI	EPA 150.1	8/26/2005	Alex Hernandez
					TLI	EPA 160.1	8/26/2005	Emilia Haley
					TLI	SW 6020A	9/1/2005	Victoria Than
SC-701	SC-701-WDR-009	Brian Dobbs	8/29/2005	10:10:00 AM	TLI	SW 7199	8/26/2005	Jorge Arriaga
					TLI	EPA 120.1	8/30/2005	Alex Hernandez
					TLI	EPA 150.1	8/30/2005	Alex Hernandez
					TLI	EPA 160.1	8/30/2005	Emilia Haley
					TLI	SW 6020A	9/6/2005	Victoria Than
SC-701	SC-701-WDR-009	Brian Dobbs	8/29/2005	10:10:00 AM	TLI	SW 7199	8/30/2005	Vanna Kho
					TLI	SW 7199	8/30/2005	Vanna Kho

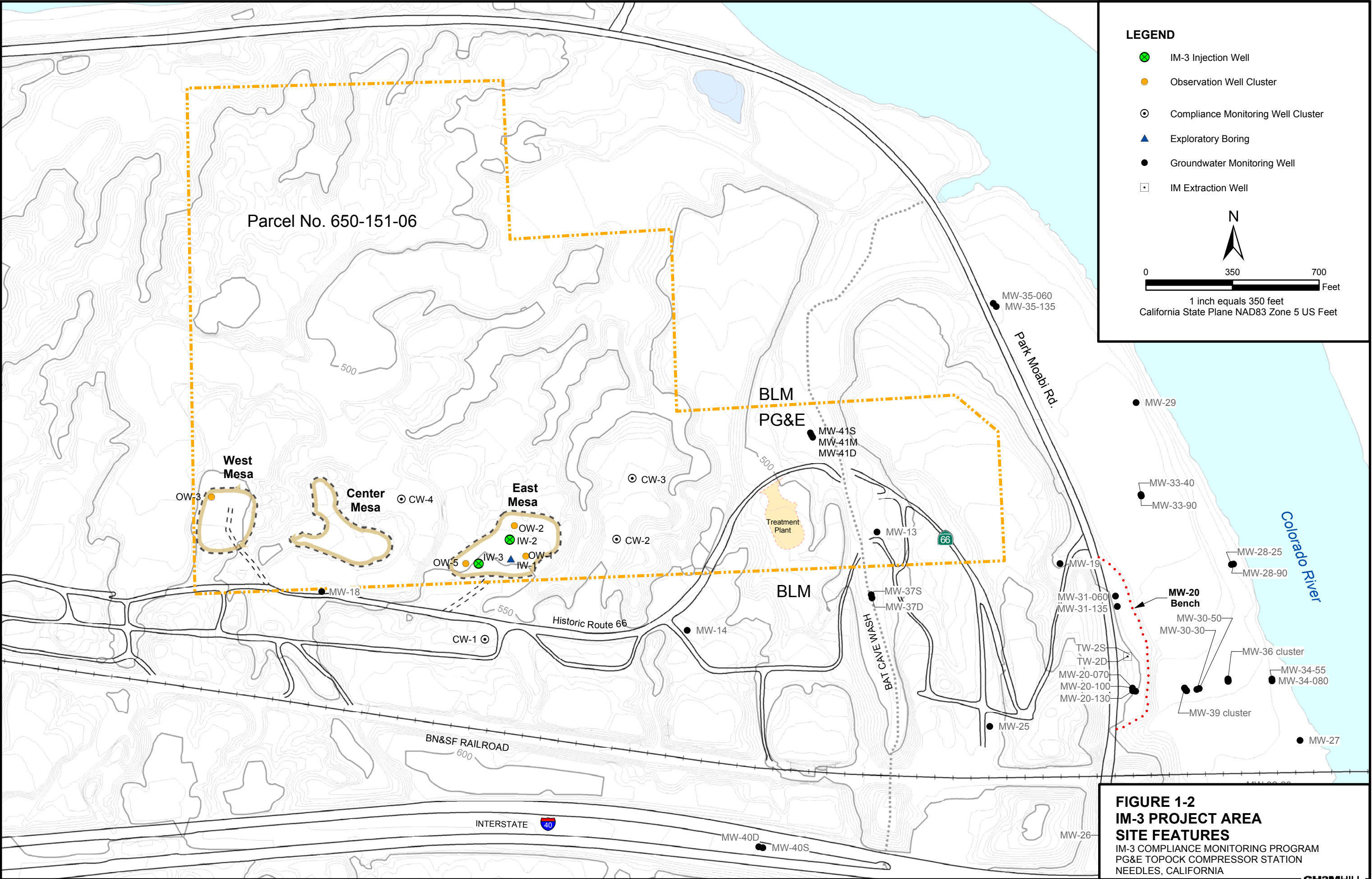
NOTES:

SC-700B = Sampling location for all Effluent Samples is tap on pipe downstream from tank T-700 to injection well IW-2 (see attached P&ID TP-PR-10-10-04)

SC-100B = Sampling Location for all Influent Samples is tap on pipe from extraction wells into tank T-100 (see attached P&ID TP-PR-10-10-04)

SC-701 = Sampling Location for all Reverse Osmosis Samples is tap on pipe T-701 (see attached P&ID TP-PR-10-10-08)

Figures



LEGEND

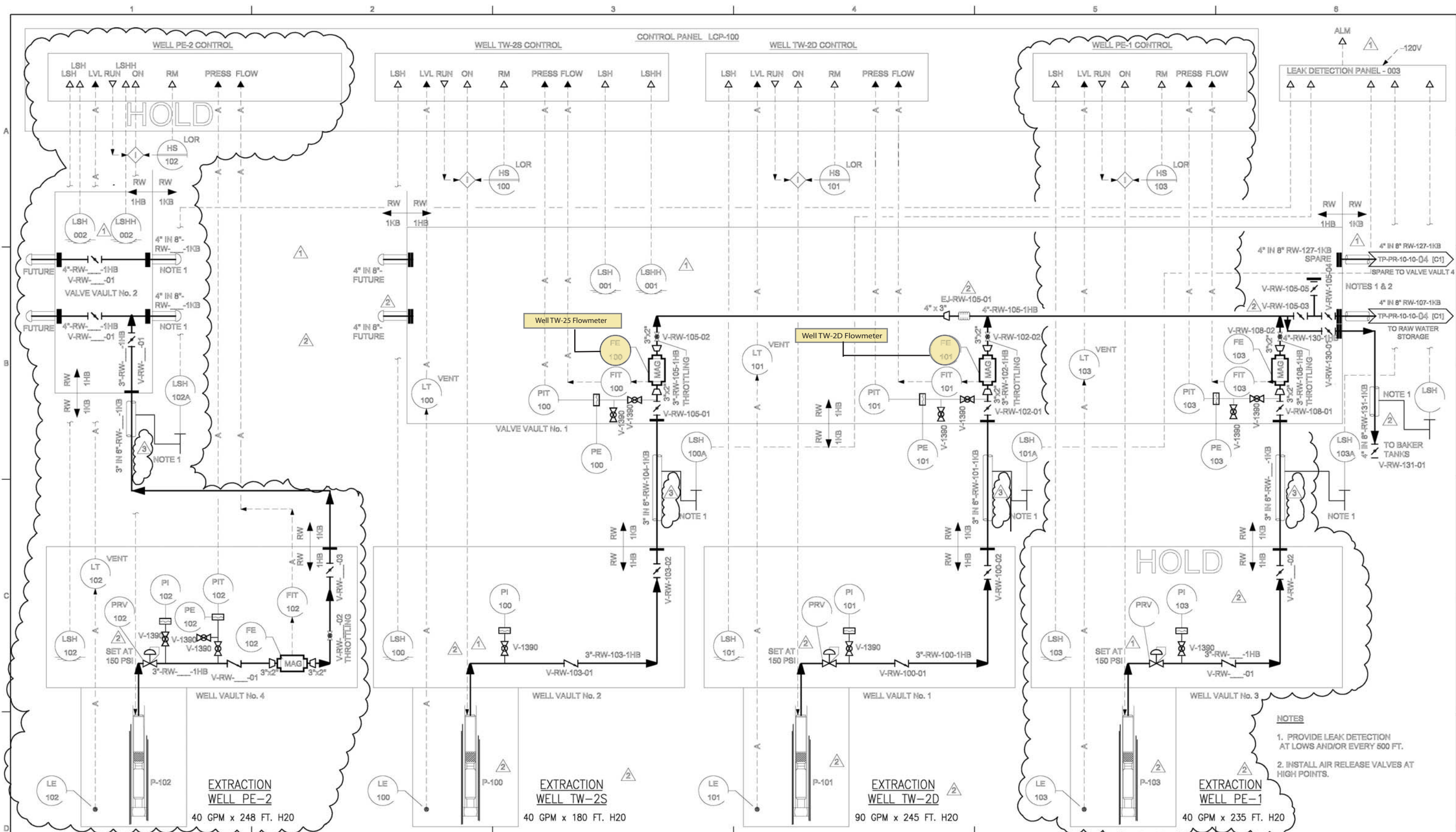
- IM-3 Injection Well
- Observation Well Cluster
- Compliance Monitoring Well Cluster
- Exploratory Boring
- Groundwater Monitoring Well
- IM Extraction Well

N

0 350 700 Feet

1 inch equals 350 feet
California State Plane NAD83 Zone 5 US Feet

FIGURE 1-2
IM-3 PROJECT AREA
SITE FEATURES
IM-3 COMPLIANCE MONITORING PROGRAM
PG&E TOPECO COMPRESSOR STATION
NEEDLES, CALIFORNIA



RESPONSIBLE ENGINEER:
Kenneth L. Martine
PE # CH44978 Exp 6-30-06

NO.	DATE	REVISION	BY	CHK	REVISION APPROVAL	REV 3	DATE 03/16/05	PRINT DISTRIBUTION	STATUS
0	07/28/04	FOR INTERNAL REVIEW	EFC	AJ	DISCIPLINE	REVIEWED	DISCIPLINE	REVIEWED	DATE
0	09/03/04	APPROVED FOR CONSTRUCTION	EFC	AJ	CIVIL		ELECTRICAL		STATUS
1	10/13/04	REVISED AND APPROVED FOR CONSTRUCTION	EFC	AJ	STRUCTURAL		INST & CONTROL		REV.
2	01/23/05	REVISED AND APPROVED FOR CONSTRUCTION	EFC	AJ	MECHANICAL		ARCHITECTURAL		CLIENT
3	03/16/05	DELETED NOTES, APPROVED FOR CONSTRUCTION	EFC	AJ	PROCESS		ENVIRONMENTAL		FIELD
					PIPING		GEN. ARRANG.		INTRA CO.

SCALE NONE

PACIFIC GAS & ELECTRIC CO.
TOPOCK COMPRESSOR STATION
INTERIM MEASURE 3
EXPANDED GROUNDWATER EXTRACTION
AND TREATMENT SYSTEM

PROJ NO. 315994

CH2MHILL

PROCESS AND INSTRUMENTATION DIAGRAM
SHEET 03
EXTRACTION WELLS
PE-1, PE-2, TW-2D AND TW-2S

DWG. NO. TP-PR-10-10-03 REV. 3

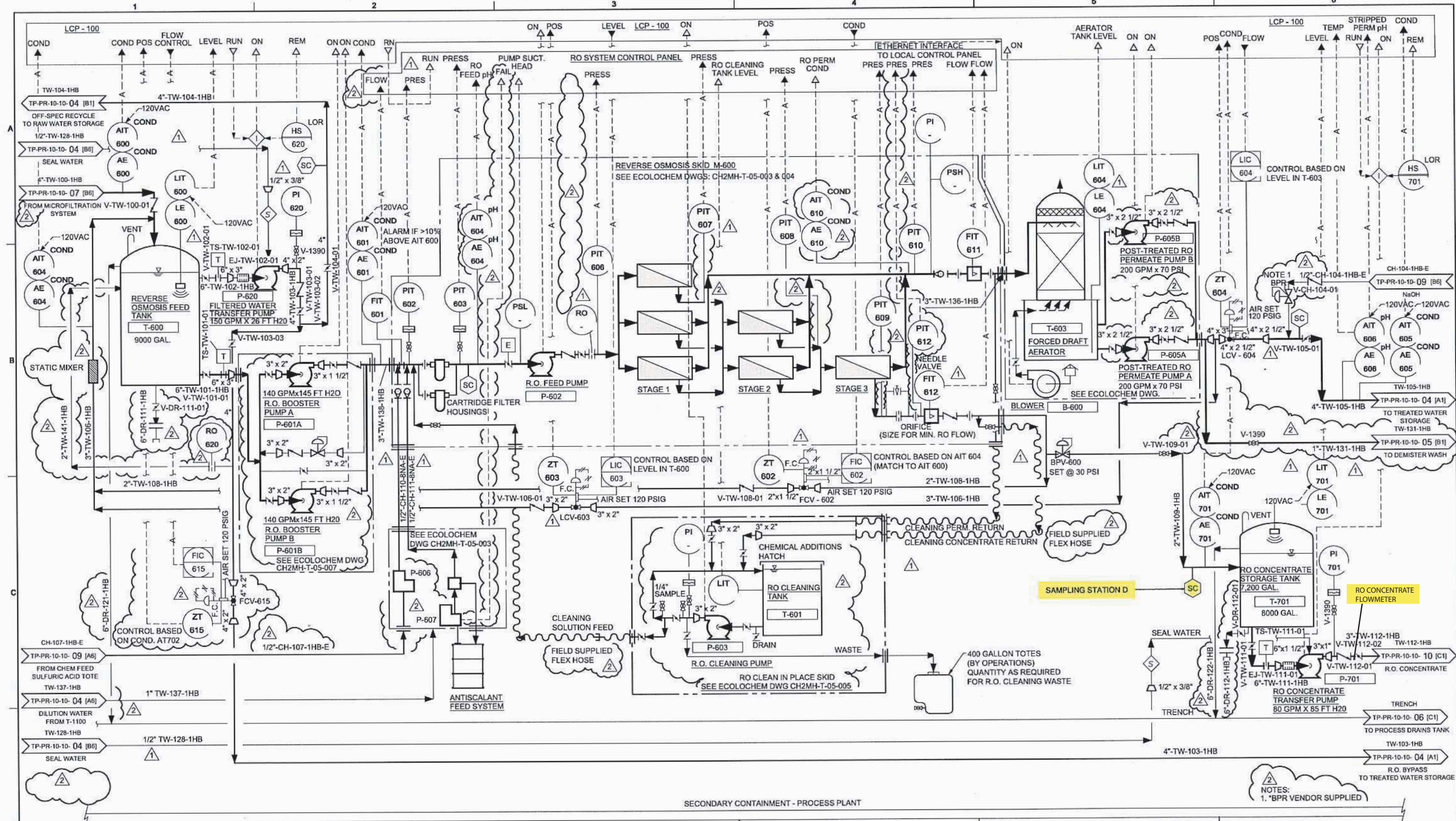
BAR IS ONE INCH
ON ORIGINAL DRAWING.
0 1"

FILENAME: tppr101003.dwg

PLOT DATE: 16-MAR-2005

PLOT TIME:

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.



SECONDARY CONTAINMENT - PROCESS PLANT

RESPONSIBLE ENGINEER:
Kenneth L. Martins
PE # CH4876
Exp 5-30-05

NO.	DATE	REVISION	BY	CHK	REVISION APPROVAL	REV 2	DATE 01/23/05	PRINT DISTRIBUTION	STATUS	ISSUED	REV	DATE	SDE	PEM
0	07/28/04	FOR INTERNAL REVIEW	EFC	AJ	DISCIPLINE	REVIEWED	DISCIPLINE	REVIEWED	DATE	ISSUED				
0	09/03/04	APPROVED FOR CONSTRUCTION	EFC	AJ	CIVIL		ELECTRICAL		STATUS	PRELIMINARY				
1	10/13/04	REVISED AND APPROVED FOR CONSTRUCTION	EFC	AJ	STRUCTURAL		INST & CONTROL		FOR REVIEW AND APPROVAL	D	07/28/04			
2	01/23/05	REVISED AND APPROVED FOR CONSTRUCTION	EFC	AJ	MECHANICAL		ARCHITECTURAL		APPROVED FOR CONSTRUCTION	0	09/03/04	KLM	TP	
					PROCESS		ENVIRONMENTAL		REVISED & APPROVED FOR CONSTRUCTION	2	01/23/05			
					PIPING		GEN. ARRANG.		INTRA CO.					

SCALE NONE

PACIFIC GAS & ELECTRIC CO.
TOPOCK COMPRESSOR STATION
INTERIM MEASURE 3
EXPANDED GROUNDWATER EXTRACTION
AND TREATMENT SYSTEM
PROJ NO. 315994
CH2MHILL

PROCESS AND INSTRUMENTATION DIAGRAM
SHEET 08
REVERSE OSMOSIS SYSTEM
DWG. NO. TP-PR-10-10-08 REV. 2

