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April 13, 2007

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

**Subject: Board Order R7-2006-0008  
PG&E Topock Compressor Station, Needles, California  
Floodplain Reductive Zone In Situ Pilot Test  
March 2007 and First Quarter 2007 Monitoring Report**

Dear Mr. Perdue:

Enclosed is the Board Order R7-2006-0008 March 2007 and First Quarter 2007 Monitoring Report for the Pacific Gas and Electric Company (PG&E) Topock Compressor Station, floodplain reductive zone in situ pilot test. This report is being submitted in compliance with the Waste Discharge Requirements (WDRs) issued by the Colorado River Basin Regional Water Quality Control Board (Water Board) under Board Order R7-2006-0008. WDRs under Board Order R7-2006-0008 apply to the floodplain reductive zone in situ pilot test only.

If you have any questions regarding this report, please call me at (805) 546-5243.

Sincerely,

Yvonne Meeks  
Topock Project Manager

Enclosures:

Board Order R7-2006-0008 March 2007 and First Quarter Monitoring Report for the Floodplain Reductive Zone In Situ Pilot Test.

cc: Adbi Haile, Water Board  
Tom Vandenberg, Water Board  
Cliff Raley, Water Board  
Aaron Yue, DTSC (2 copies)

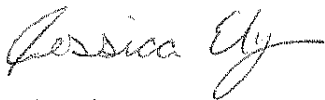
**Pacific Gas and Electric Company**

**March 2007 and First Quarter 2007  
Monitoring Report for the  
Floodplain Reductive Zone In-Situ  
Pilot Test**

Waste Discharge Requirements  
Order No. R7-2006-0008  
PG&E Topock Compressor Station  
San Bernardino County, California

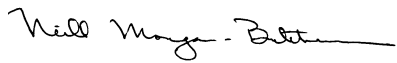
13 April 2007

This report was prepared under the supervision of a California  
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**March 2007 and First Quarter  
2007 Monitoring Report for the  
Floodplain Reductive Zone  
In-Situ Pilot Test**

Waste Discharge Requirements  
Order No. R7-2006-0008  
PG&E Topock Compressor San  
Bernardino County, California

Prepared for:  
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Date:  
13 April 2007

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|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| EMAX                 | EMAX Laboratories, Inc.                                                                                                           |
| ISPT                 | In-Situ Pilot Test                                                                                                                |
| MRP                  | Monitoring and Reporting Program                                                                                                  |
| Ozark                | Ozark Underground Laboratory                                                                                                      |
| PG&E                 | Pacific Gas and Electric Company                                                                                                  |
| RWQCB                | California Regional Water Quality Control Board, Colorado River Basin Region                                                      |
| SAFPM                | <i>Sampling, Analysis, and Field Procedures Manual, PG&amp;E Topock Program, Revision 1</i>                                       |
| TOC                  | Total Organic Carbon                                                                                                              |
| Truesdail            | Truesdail Laboratories                                                                                                            |
| USEPA                | United States Environmental Protection Agency                                                                                     |
| Work Plan            | <i>In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (August 2005)</i>                            |
| Work Plan Addendum   | <i>Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (December 5, 2005)</i> |
| Work Plan Addendum 2 | <i>Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (April 14, 2006)</i>       |

## **1.0 Introduction**

Pacific Gas and Electric (PG&E) is implementing a floodplain reductive zone in-situ pilot test (ISPT) to address chromium concentrations in groundwater at the Topock Compressor Station near Needles, California. The purpose of the floodplain ISPT is to evaluate the efficacy of using a food-grade reagent mixture to reduce hexavalent chromium in groundwater to form stable, insoluble trivalent chromium. The floodplain ISPT consists of injecting the reagent mixture into a well cluster (PTI-1S/M/D) and monitoring the results in six three-level well nests (PT-1 through PT-6). Figure 1 provides a map of the PG&E Topock Compressor Station and ISPT area. (All figures are provided at the end of the report.)

California Regional Water Quality Control Board, Colorado River Basin Region (RWQCB), Order No. R7-2006-0008 authorizes PG&E to inject 6,000 gallons of blended groundwater and reagent mixture into each well of injection well cluster PTI-1S/M/D located in the Colorado River floodplain. Injection of the reagent mixture may occur one to four times during a 6-month period.

The Monitoring and Reporting Program (MRP) under Order No. R7-2006-0008 requires monthly monitoring reports to be submitted by the 15<sup>th</sup> day of the following month. This report describes monitoring activities related to the floodplain ISPT for March 2007. This report also serves as the first quarter 2007 (January through March) report as required by the MRP.

**2.0 In-Situ Pilot Test Sampling Locations**

Table 1 summarizes the well construction details of the injection well cluster (PTI-1S/M/D) and monitoring well nests (PT-1 through PT-6). Figure 2 provides a map of the sampling locations, including extraction wells TW-2D, TW-3D, and PE-1. (All figures are provided at the end of the report.)

### 3.0 Description of Activities

The procedures and the refinements to the floodplain ISPT are outlined in the following documents: *In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan) (ARCADIS 2005a), the *Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum) (ARCADIS 2005b), and the *Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement* (Work Plan Addendum 2) (ARCADIS 2006). During March 2007, ARCADIS completed the tenth monthly post-injection sampling event of the floodplain ISPT. Associated field activities were performed in accordance with these documents and the applicable procedures contained within the *Sampling, Analysis, and Field Procedures Manual, PG&E Topock Program, Revision 1* (SAFPM).

Month 10 post-injection sampling was performed from March 6 through March 8, 2007. The post-injection groundwater sampling events were performed in accordance with the Work Plan and Work Plan Addenda 1 and 2. Other first quarter sampling activities were discussed in previous monthly reports, dated February 15 and March 15, 2007.

Samples were collected, labeled, and packaged according to the SAFPM and as summarized in Section 4.0. Table 2 presents the field parameter results. Tables 3 and 4 present the groundwater analytical results. As required under the MRP, calibration logs for field-monitoring instruments are included in Appendix A. Groundwater sampling logs are included in Appendix B.

Groundwater samples for month 10 were analyzed for hexavalent chromium (United States Environmental Protection Agency [USEPA] Method 7199) by Truesdail Laboratories (Truesdail); fluorescein (in-house method) by Ozark Underground Laboratory (Ozark); and chromium, dissolved and total iron, manganese, calcium, magnesium, arsenic, potassium, sodium (USEPA Method 6010B), nitrate, nitrite, sulfate, carbonate, bicarbonate alkalinity, chloride, bromide, phosphorous, iodide (USEPA Method 300), total organic carbon (TOC) (USEPA Method 415.5), and sulfide (USEPA Method 376.1) by EMAX Laboratories, Inc. (EMAX).

Groundwater samples for the weekly post injection event were analyzed for fluorescein (in-house method) by Ozark; iodide (USEPA Method 300), and TOC (USEPA Method 415.5) by EMAX. Hexavalent chromium was analyzed in the field.



#### **4.0 Sampling and Analytical Procedures**

Groundwater sampling and associated tasks were performed in accordance with the applicable procedures contained in the SAFPM and as summarized below.

Prior to groundwater sampling, the depth to water was recorded for each well. These data were used to evaluate the volume of standing water in the well. The monitoring wells were purged using an Enviro-Tech ES-60 Whaler pump or a WaTerra® purge pump with dedicated polyethylene tubing. Purging continued until three casing volumes had been removed. The field parameters, such as pH, specific conductance, temperature, color, odor, and depth to water, were recorded (Table 2). After completion of purging, the groundwater samples were collected into the appropriate containers. Extraction well (PE-1, TW-2D, TW-3D) samples were collected from a dedicated sampling port. Water was purged from the sample port prior to sampling the extraction well, to remove any stagnant water from the port.

The samples were stored in coolers at 4 degrees Celsius and transported to Truesdail, EMAX, and Ozark via a courier service under chain-of-custody documentation. Truesdail and EMAX are certified by the California Department of Health Services (Certification #1247 and #02116CA, respectively) under the State of California's Environmental Laboratory Accreditation Program.

Analyses were performed in accordance with the latest edition of the "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR Part 136), or equivalent methods promulgated by the USEPA.

Post-injection sampling was conducted in accordance with the sampling frequency required by the MRP. Sample results are summarized in Tables 3 and 4. Calibration logs for field-monitoring instruments are presented in Appendix A. Sampling logs are presented in Appendix B. Copies of laboratory analytical results are presented on compact disc in Appendix C.

## 5.0 Analytical Results

Laboratory reports prepared by the certified analytical laboratories are presented on the compact disc in Appendix C. Summaries of the tracer test parameters, primary parameters, and secondary parameters are presented in Tables 2, 3, and 4, respectively.

The analytical results of post-injection sampling indicate that the injected tracers and TOC arrived at the PT-1 and PT-3 monitoring well nests within the first 3 days following the initial injections on May 3 through 6 (Table 3). Data to date from the second injection on August 11, 2006, the third injection on September 7, 2006, and the fourth injection on November 1, 2006 do not indicate any changes in groundwater flow relative to the initial injections. Indications of reducing conditions and hexavalent chromium reduction have been noted at wells PTI-1D, PT-1D, PT-2D, and PT-3D (Table 3).

In wells PTI-1D, PT-1D, and PT-2D, hexavalent chromium concentrations declined following the four injection events. Since the fourth injection, hexavalent chromium concentrations have remained below 3 micrograms per liter in PT-1D and have steadily declined in PT-2D, indicating that chromium reduction is continuing downgradient of the injection well. In the injection well, PTI-1D, hexavalent chromium concentrations remain low (at approximately 10% of pre-test levels), but have begun to rebound slightly in the last two months, indicating that the reducing capacity stored in the vicinity of the injection well is beginning to be exhausted.

Observed indications of reducing conditions in the pilot test area include a decrease in nitrate concentrations, and increases in iron concentrations and manganese concentrations (Table 3). With the use of in-situ technology, the creation of the desired reducing environment may cause temporary solubilization and mobilization of other reducible metals that naturally reside in the aquifer matrix, such as manganese, iron, and arsenic. Once the reduction-oxidation conditions return to ambient conditions, such solubilized metals typically re-oxidize and precipitate and bind to the aquifer matrix. Chromium is not expected to re-oxidize to the hexavalent state under natural groundwater conditions.

During the baseline sampling event, the maximum concentration of dissolved manganese in the aquifer was recorded at PT-6S (Table 3). The manganese concentrations in this well and other wells in the shallow, naturally reduced zones associated with the fluvial sediments in the Colorado River floodplain are higher than in

the naturally oxidized sediments associated with the alluvial fan sediments under the floodplain. In the reduced zone created by the injections, the concentration range of manganese is similar to the range of concentration found in the naturally reducing fluvial aquifer. Along the flow path from the reduced zone toward the extraction wells, manganese concentrations decrease, and remain below detection in the extraction wells.

Table 5 identifies the laboratory that performed each analysis and lists the following required monitoring information:

- Sample Location
- Sample identification
- Sampler name
- Sample date
- Sample time
- Laboratory performing the analysis
- Analysis method
- Analysis date
- Laboratory technician

No operational and maintenance issues or interruptions to remedial systems occurred during the reporting period.

## **6.0 Conclusions**

This report summarizes the results of the month of March 2007 and first quarter 2007. Indications of reducing conditions and hexavalent chromium reduction have been noted at PTI-1D, PT-2D, PT-3D, and PT-1D; month 10 data indicate that the additional injections have increased the reduction of hexavalent chromium. Data trends will continue to be evaluated as more data become available.

There were no incidents of non-compliance with respect to Order No. R7-2006-0008. No variances occurred during this period.

## 7.0 References

ARCADIS, 2005a. In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, August.

\_\_\_\_\_, 2005b. Final Addendum to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan Addendum), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, December 5.

\_\_\_\_\_, 2006. Addendum 2 to the In-Situ Hexavalent Chromium Reduction Plan, Floodplain Reductive Zone Enhancement (Work Plan Addendum 2), Waste Discharge Requirements, Order No. R7-2006-0008, PG&E Topock Compressor Station, San Bernardino County, California, April 14.

CH2M Hill. 2005. Sampling, Analysis, and Field Procedures, Manual, PG&E Topock Program, PG&E Topock Compressor Station Needles, California, March 31, 2005.

Waste Discharge Requirements  
Order No. R7-2006-0008  
PG&E Topock Compressor  
Station  
San Bernardino County,  
California

**8.0 Certification**

PG&E submitted a signature delegation letter to the RWQCB on July 5, 2006. The letter delegated PG&E's signature authority to Mr. Curt Russell and Ms. Yvonne Meeks.

Waste Discharge Requirements  
Order No. R7-2006-0008  
PG&E Topock Compressor  
Station  
San Bernardino County,  
California

**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.

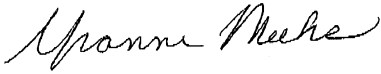
Signature:   
Name: Yvonne Meeks  
Company: PG&E  
Title: Project Manager  
Date: April 13, 2007

Table 1  
Boring and Well Construction Detail Summary

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Well or Boring Designation | Date Completed | Aquifer Zone | Ground Elevation*<br>(feet msl) | TOC Elevation**<br>(feet msl) | Total Depth of Boring<br>(feet bgs) | Casing Diameter<br>(inches) | Boring Diameter<br>(inches) | Well Completion Depth<br>(feet bgs) | Well Completion Elevation<br>(feet msl) | Screen Depth Interval<br>(feet bgs) | Screen Elevation Interval<br>(feet msl) | Sand Pack Depth Interval<br>(feet bgs) | Sand Pack Elevation Interval<br>(feet msl) | Bentonite Depth Interval<br>(feet bgs) | Bentonite Elevation Interval<br>(feet msl) | Well Permit Number | Distance From PTI-1<br>(feet) | Latitude       | Longitude      |
|----------------------------|----------------|--------------|---------------------------------|-------------------------------|-------------------------------------|-----------------------------|-----------------------------|-------------------------------------|-----------------------------------------|-------------------------------------|-----------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------|--------------------------------------------|--------------------|-------------------------------|----------------|----------------|
| PT-1S                      | 31-Jan-06      | S            | 472.239                         | 474.644                       | 125                                 | 2                           | 10                          | 45                                  | 430                                     | 35-45                               | 440-430                                 | 32-47                                  | 443-428                                    | 28-32                                  | 447-443                                    | 2006010013         | 20                            | 34° 43' 10.3"  | 114° 29' 25.8" |
| PT-1M                      | 31-Jan-06      | M            | 472.239                         | 474.622                       | 125                                 | 2                           | 10                          | 70                                  | 405                                     | 60-70                               | 415-405                                 | 57-72                                  | 428-403                                    | 46-57                                  | 429-418                                    | 2006010013         | 23                            | 34° 43' 10.3"  | 114° 29' 25.8" |
| PT-1D                      | 31-Jan-06      | D            | 472.239                         | 474.627                       | 125                                 | 2                           | 10                          | 105                                 | 370                                     | 95-105                              | 380-370                                 | 92-125                                 | 383-350                                    | 72-92                                  | 403-383                                    | 2006010013         | 24                            | 34° 43' 10.3"  | 114° 29' 25.8" |
| PT-2S                      | 8-Feb-06       | S            | 471.627                         | 473.487                       | 127                                 | 2                           | 10                          | 45                                  | 428                                     | 35-45                               | 438-428                                 | 32-47                                  | 441-426                                    | 28-32                                  | 445-441                                    | 2006010012         | 45                            | 34° 43' 10.3"  | 114° 29' 26.1" |
| PT-2M                      | 8-Feb-06       | M            | 471.627                         | 473.587                       | 127                                 | 2                           | 10                          | 70                                  | 404                                     | 60-70                               | 414-404                                 | 57-72                                  | 423-402                                    | 46-57                                  | 428-417                                    | 2006010012         | 47                            | 34° 43' 10.3 " | 114° 29' 26.1" |
| PT-2D                      | 8-Feb-06       | D            | 471.627                         | 473.522                       | 127                                 | 2                           | 10                          | 105                                 | 369                                     | 95-105                              | 379-369                                 | 92-127                                 | 382-347                                    | 72-92                                  | 402-382                                    | 2006010012         | 49                            | 34° 43' 10.3"  | 114° 29' 26.1" |
| PT-3S                      | 14-Feb-06      | S            | 471.698                         | 473.584                       | 129                                 | 2                           | 10                          | 45                                  | 429                                     | 35-45                               | 439-429                                 | 32-47                                  | 442-427                                    | 28-32                                  | 446-442                                    | 2006010011         | 12                            | 34° 43' 10.2"  | 114° 29' 25.6" |
| PT-3M                      | 14-Feb-06      | M            | 471.698                         | 473.520                       | 129                                 | 2                           | 10                          | 70                                  | 404                                     | 60-70                               | 414-404                                 | 57-72                                  | 427-402                                    | 46-57                                  | 428-417                                    | 2006010011         | 15                            | 34° 43' 10.2"  | 114° 29' 25.6" |
| PT-3D                      | 14-Feb-06      | D            | 471.698                         | 473.525                       | 129                                 | 2                           | 10                          | 105                                 | 369                                     | 95-105                              | 379-369                                 | 92-127                                 | 382-347                                    | 72-92                                  | 402-382                                    | 2006010011         | 13                            | 34° 43' 10.2"  | 114° 29' 25.6" |
| PT-4S                      | 12-Feb-06      | S            | 471.79                          | 474.430                       | 127                                 | 2                           | 10                          | 45                                  | 429                                     | 35-45                               | 439-429                                 | 32-47                                  | 442-427                                    | 28-32                                  | 446-442                                    | 2006010010         | 27                            | 34° 43' 10.1"  | 114° 29' 25.4" |
| PT-4M                      | 12-Feb-06      | M            | 471.79                          | 474.331                       | 127                                 | 2                           | 10                          | 70                                  | 404                                     | 60-70                               | 414-404                                 | 57-72                                  | 423-403                                    | 46-57                                  | 428-417                                    | 2006010010         | 29                            | 34° 43' 10.1"  | 114° 29' 25.4" |
| PT-4D                      | 12-Feb-06      | D            | 471.79                          | 474.299                       | 127                                 | 2                           | 10                          | 105                                 | 369                                     | 95-105                              | 379-369                                 | 92-127                                 | 382-347                                    | 72-92                                  | 402-382                                    | 2006010010         | 24                            | 34° 43' 10.1"  | 114° 29' 25.4" |
| PT-5S                      | 10-Feb-06      | S            | 471.262                         | 473.611                       | 127                                 | 2                           | 10                          | 45                                  | 429                                     | 35-45                               | 439-429                                 | 32-47                                  | 442-427                                    | 28-32                                  | 446-442                                    | 2006010009         | 54                            | 34° 43' 10.1"  | 114° 29' 25.0" |
| PT-5M                      | 10-Feb-06      | M            | 471.262                         | 473.630                       | 127                                 | 2                           | 10                          | 70                                  | 404                                     | 60-70                               | 414-404                                 | 57-72                                  | 427-402                                    | 46-57                                  | 428-417                                    | 2006010009         | 53                            | 34° 43' 10.2"  | 114° 29' 25.0" |
| PT-5D                      | 10-Feb-06      | D            | 471.262                         | 473.625                       | 127                                 | 2                           | 10                          | 105                                 | 369                                     | 95-105                              | 379-369                                 | 92-127                                 | 382-347                                    | 72-92                                  | 402-382                                    | 2006010009         | 49                            | 34° 43' 10.2"  | 114° 29' 25.0" |
| PT-6S                      | 28-Jan-06      | S            | 474.441                         | 475.981                       | 137                                 | 2                           | 10                          | 45                                  | 431                                     | 35-45                               | 441-431                                 | 32-47                                  | 444-429                                    | 28-32                                  | 448-444                                    | 2006010008         | 27                            | 34° 43' 10.6"  | 114° 29' 25.4" |
| PT-6M                      | 28-Jan-06      | M            | 474.441                         | 476.025                       | 137                                 | 2                           | 10                          | 70                                  | 406                                     | 60-70                               | 416-406                                 | 57-72                                  | 425-404                                    | 46-57                                  | 430-419                                    | 2006010008         | 23                            | 34° 43' 10.6"  | 114° 29' 25.4" |
| PT-6D                      | 28-Jan-06      | D            | 474.441                         | 476.013                       | 137                                 | 2                           | 10                          | 105                                 | 371                                     | 95-105                              | 381-381                                 | 92-137                                 | 384-339                                    | 72-92                                  | 444-384                                    | 2006010008         | 25                            | 34° 43' 10.6"  | 114° 29' 25.4" |
| PTI-1S                     | 28-Jan-06      | S            | 472.751                         | 475.035                       | 47                                  | 4                           | 10                          | 45                                  | 430                                     | 35-45                               | 440-430                                 | 32-47                                  | 443-428                                    | 28-32                                  | 447-443                                    | 2006010006         | 0                             | 34° 43' 10.4"  | 114° 29' 25.5" |
| PTI-1M                     | 26-Jan-06      | M            | 472.938                         | 475.087                       | 77                                  | 4                           | 10                          | 70                                  | 405                                     | 60-70                               | 415-405                                 | 57-72                                  | 428-403                                    | 46-57                                  | 429-418                                    | 2006010007         | 0                             | 34° 43' 10.4"  | 114° 29' 25.6" |
| PTI-1D                     | 26-Jan-06      | D            | 472.573                         | 474.762                       | 137                                 | 4                           | 10                          | 105                                 | 370                                     | 95-105                              | 380-370                                 | 92-137                                 | 383-338                                    | 72-92                                  | 403-383                                    | 2006010005         | 0                             | 34° 43' 10.4"  | 114° 29' 25.6" |
| TW-2D                      | 1-Apr-04       | D            | 496.932                         | 496.932                       | 180                                 | 6                           | 12                          | 153                                 | 344                                     | 113-148                             | 384-349                                 | 108-153                                | 389-344                                    | 153-180, 101-108                       | 344-317, 396-394                           | -                  | 205                           | 34° 43' 10.3"  | 114° 29' 28.0" |
| TW-3D                      | 24-Oct-05      | D            | 497.415                         | 497.415                       | 157                                 | 6                           | 10                          | 153                                 | 344                                     | 111-156                             | 386-341                                 | 105-157                                | 392-340                                    | 50-105                                 | 447-392                                    | -                  | 217                           | 34° 43' 10.2"  | 114° 29' 28.1" |
| PE-1                       | 2-Mar-05       | D            | 466.879                         | 496.549                       | 105                                 | 6                           | 10                          | 110                                 | 387                                     | 79-89                               | 418-408                                 | 76-99                                  | 421-398                                    | 99-105, 72-76                          | 398-425, 392-421                           | 2005101057         | 296                           | 34° 43' 9.3"   | 114° 29' 22.2" |

Notes:

|          |                                                                                                 |
|----------|-------------------------------------------------------------------------------------------------|
| feet bgs | Feet below ground surface                                                                       |
| feet msl | Feet mean sea level                                                                             |
| PTI-     | Pilot test injection well                                                                       |
| PT-      | Pilot test monitoring well                                                                      |
| S        | Shallow                                                                                         |
| M        | Middle                                                                                          |
| D        | Deep                                                                                            |
| TOC      | Top of casing                                                                                   |
| *        | Elevations are in feet, North American Vertical Datum of 1988 (NAVD 88), NGS data sheet EU0763. |
| **       | Reference elevation                                                                             |
| -        | Not available                                                                                   |

**Table 2**  
**Summary of Field Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-1S         | 17-Mar-06        | N           | 35-45                    | -150.7        | 7.05        | 6,565                        | 26.62            | <10                              |
|               | 06-Apr-06        | N           |                          | -173          | 7.06        | 6,892                        | 26.92            | <10                              |
|               | 04-May-06        | N           |                          | -100.6        | 8.06        | 8,889                        | 25.64            | <10                              |
|               | 05-May-06        | N           |                          | -107.2        | 7.55        | 7,457                        | 26.82            | <10                              |
|               | 06-May-06        | N           |                          | -88.4         | 7.09        | 7,318                        | 26.45            | <10                              |
|               | 07-May-06        | N           |                          | -98.6         | 7.31        | 7,097                        | 26.59            | 10                               |
|               | 08-May-06        | N           |                          | -82.7         | 7.35        | 6,976                        | 26.65            | <10                              |
|               | 09-May-06        | N           |                          | -30.7         | 7.12        | 7,550                        | 26.63            | <10                              |
|               | 10-May-06        | N           |                          | -102.2        | 7.15        | 6,735                        | 26.72            | <10                              |
|               | 11-May-06        | N           |                          | -97.7         | 7.22        | 6,369                        | 26.72            | <10                              |
|               | 12-May-06        | N           |                          | -73           | 7.08        | 6,594                        | 26.72            | <10                              |
|               | 13-May-06        | N           |                          | -47.2         | 7.18        | 5,961                        | 26.61            | ---                              |
|               | 23-May-06        | N           |                          | 14.1          | 7.34        | 5,830                        | 27.01            | <10                              |
|               | 01-Jun-06        | N           |                          | 567.9         | 7.03        | 3,636                        | 26.54            | <10                              |
|               | 06-Jun-06        | N           |                          | -173.5        | 7.39        | 6,546                        | 26.88            | <10                              |
|               | 18-Jul-06        | N           |                          | -133.4        | 7.25        | 6,461                        | 26.6             | <10                              |
|               | 08-Aug-06        | N           |                          | -139.1        | 6.96        | 7,412                        | 26.43            | 10                               |
|               | 06-Sep-06        | N           |                          | -175.9        | 7.44        | 6,555                        | 26.87            | 13                               |
|               | 04-Oct-06        | N           |                          | -151.8        | 7.33        | 6,939                        | 26.97            | 18                               |
|               | 08-Nov-06        | N           |                          | -138.6        | 6.78        | 9,980                        | 26.04            | 38                               |
|               | 05-Dec-06        | N           |                          | -132.4        | 6.57        | 10,303                       | 22.97            | 63                               |
|               | 03-Jan-07        | N           |                          | -131.6        | 6.87        | 9,494                        | 24.91            | 18                               |
|               | 07-Feb-07        | N           |                          | -140.5        | 7.49        | 7,834                        | 24.72            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-120.6</b> | <b>7.21</b> | <b>6,381</b>                 | <b>25.51</b>     | <b>&lt;10</b>                    |
| PT-1M         | 17-Mar-06        | N           | 60-70                    | -211          | 7.46        | 7,000                        | 26.21            | <10                              |
|               | 06-Apr-06        | N           |                          | -211.1        | 9           | 7,506                        | 26.54            | <10                              |
|               | 04-May-06        | N           |                          | -88.7         | 8.45        | 6,824                        | 25.1             | <10                              |
|               | 06-May-06        | N           |                          | -93.1         | 7.48        | 7,221                        | 25.8             | ---                              |
|               | 07-May-06        | N           |                          | -98.2         | 7.62        | 7,202                        | 26.1             | 38                               |
|               | 08-May-06        | N           |                          | -77.6         | 7.07        | 4,593                        | 26.16            | 42                               |
|               | 09-May-06        | N           |                          | -19.6         | 7.62        | 7,273                        | 26.23            | <10                              |
|               | 10-May-06        | N           |                          | -118.8        | 7.69        | 6,657                        | 26.55            | 15                               |
|               | 11-May-06        | N           |                          | -92.1         | 7.61        | 6,539                        | 26.29            | 11                               |
|               | 12-May-06        | N           |                          | -77.3         | 7.54        | 6,877                        | 26.3             | <10                              |
|               | 13-May-06        | N           |                          | -39.2         | 7.47        | 5,933                        | 26.26            | ---                              |
|               | 24-May-06        | N           |                          | -16.2         | 7.67        | 5,837                        | 26.24            | <10                              |
|               | 31-May-06        | N           |                          | -59.6         | 7.36        | 4,549                        | 27.59            | <10                              |
|               | 06-Jun-06        | N           |                          | -176.9        | 7.62        | 7,071                        | 26.27            | <10                              |
|               | 18-Jul-06        | N           |                          | -139.6        | 7.51        | 6,927                        | 26.3             | <10                              |
|               | 08-Aug-06        | N           |                          | -183.5        | 7.21        | 6,826                        | 25.66            | <10                              |
|               | 06-Sep-06        | N           |                          | -233.4        | 7.88        | 6,750                        | 26.3             | 17                               |
|               | 04-Oct-06        | N           |                          | -132.1        | 7.51        | 6,823                        | 28.81            | 12                               |
|               | 08-Nov-06        | N           |                          | -146          | 7.14        | 6,743                        | 25.36            | 10                               |
|               | 05-Dec-06        | N           |                          | -133.1        | 6.87        | 6,503                        | 23.29            | 83                               |
|               | 03-Jan-07        | N           |                          | -100.2        | 7.26        | 6,511                        | 24.62            | <10                              |
|               | 07-Feb-07        | N           |                          | -142.4        | 7.73        | 6,473                        | 24.06            | <10                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-160.7</b> | <b>7.45</b> | <b>5,959</b>                 | <b>25.38</b>     | <b>&lt;10</b>                    |



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 PG&E Topock  
 Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-1D         | 17-Mar-06        | N           | 95-105                   | -129.5        | 7.36        | 13,149                       | 26.06            | 1,900                            |
|               | 06-Apr-06        | N           |                          | 112           | 6.66        | 14,027                       | 26               | 3,040                            |
|               | 05-May-06        | N           |                          | 47.6          | 7.86        | 12,918                       | 26.03            | ---                              |
|               | 06-May-06        | N           |                          | 69.3          | 7.36        | 14,048                       | 26.18            | 4,660                            |
|               | 07-May-06        | N           |                          | 79.3          | 7.62        | 13,536                       | 26.07            | 3,680                            |
|               | 08-May-06        | N           |                          | 85.6          | 7.71        | 12,334                       | 26.14            | 4,980                            |
|               | 09-May-06        | N           |                          | -145.2        | 7.59        | 12,058                       | 26.18            | 2,960                            |
|               | 10-May-06        | N           |                          | 5.7           | 7.54        | 11,794                       | 26.19            | 2,840                            |
|               | 11-May-06        | N           |                          | -7.1          | 7.71        | 10,586                       | 26.1             | 1,740                            |
|               | 12-May-06        | N           |                          | -6            | 7.56        | 10,653                       | 26.5             | 2,260                            |
|               | 13-May-06        | N           |                          | 41.9          | 7.6         | 9,215                        | 25.9             | ---                              |
|               | 24-May-06        | N           |                          | 90.2          | 6.6         | 10,570                       | 26.25            | 1,420                            |
|               | 31-May-06        | N           |                          | 358.1         | 5.89        | 5,935                        | 29.21            | 980                              |
|               | 05-Jun-06        | N           |                          | 403.4         | 8.41        | 10,776                       | 27.13            | 840                              |
|               | 17-Jul-06        | N           |                          | 201.6         | 7.39        | 11,498                       | 26.29            | 840                              |
|               | 08-Aug-06        | N           |                          | -163.8        | 7.17        | 11,662                       | 25.83            | 1,240                            |
|               | 14-Aug-06        | N           |                          | -22.9         | 8.1         | 9,762                        | 27.52            | 820                              |
|               | 17-Aug-06        | N           |                          | -154.6        | 8.16        | 10,189                       | 26.46            | 580                              |
|               | 22-Aug-06        | N           |                          | -109.3        | 8.31        | 9,846                        | 26.68            | 540                              |
|               | 24-Aug-06        | N           |                          | -2.1          | 8.03        | 9,779                        | 26.62            | 580                              |
|               | 29-Aug-06        | N           |                          | -42.1         | 8.12        | 9,308                        | 26.56            | 480                              |
|               | 05-Sep-06        | N           |                          | -94.7         | 8.33        | 9,402                        | 27.92            | 371                              |
|               | 12-Sep-06        | N           |                          | -174.1        | 7.95        | 9,129                        | 26.76            | 180                              |
|               | 19-Sep-06        | N           |                          | -361.1        | 8.32        | 8,445                        | 26.49            | 320                              |
|               | 28-Sep-06        | N           |                          | -155.8        | 7.74        | 8,889                        | 26.58            | 118                              |
|               | 04-Oct-06        | N           |                          | -173.9        | 7.82        | 9,298                        | 26.73            | 103                              |
|               | 17-Oct-06        | N           |                          | -186          | 7.57        | 9,869                        | 26.5             | 40                               |
|               | 31-Oct-06        | N           |                          | 117.6         | 7.58        | 10,534                       | 25.8             | 171                              |
|               | 08-Nov-06        | N           |                          | -252.4        | 7.38        | 9,572                        | 25.69            | <10                              |
|               | 14-Nov-06        | N           |                          | -124.7        | 6.91        | 9,798                        | 25.69            | 41                               |
|               | 21-Nov-06        | N           |                          | -130.4        | 7.02        | 9,382                        | 24.85            | 12                               |
|               | 28-Nov-06        | N           |                          | -202.9        | 7.6         | 8,884                        | 25.27            | 17                               |
|               | 05-Dec-06        | N           |                          | -242.7        | 7.16        | 9,548                        | 23.52            | 36                               |
|               | 18-Dec-06        | N           |                          | -231.2        | 8.27        | 10,087                       | 23.62            | 44                               |
|               | 03-Jan-07        | N           |                          | -64.9         | 7.39        | 11,107                       | 24.79            | 10                               |
|               | 15-Jan-07        | N           |                          | -216.8        | 7.69        | 11,036                       | 23.05            | 88                               |
|               | 29-Jan-07        | N           |                          | -229.6        | 7.45        | 10,905                       | 24.18            | <10                              |
|               | 07-Feb-07        | N           |                          | -143.0        | 7.89        | 11,830                       | 23.96            | 11                               |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-108.6</b> | <b>7.48</b> | <b>11,562</b>                | <b>25.31</b>     | <b>&lt;10</b>                    |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-2S         | 17-Mar-06        | N           | 35-45                    | -204          | 7.27        | 6,273                        | 26.87            | <10                              |
|               | 06-Apr-06        | N           |                          | -175.9        | 6.14        | 6,867                        | 26.79            | <10                              |
|               | 24-May-06        | N           |                          | -6.5          | 7.57        | 5,405                        | 27.13            | 10                               |
|               | 01-Jun-06        | N           |                          | -88.7         | 7.25        | 6,678                        | 26.74            | 10                               |
|               | 07-Jun-06        | N           |                          | -168.6        | 7.57        | 6,268                        | 26.37            | <10                              |
|               | 18-Jul-06        | N           |                          | -203.8        | 7.28        | 6,492                        | 27.51            | <10                              |
|               | 08-Aug-06        | N           |                          | -74.6         | 7.54        | 6,892                        | 26.96            | 19                               |
|               | 06-Sep-06        | N           |                          | -205.1        | 7.69        | 6,563                        | 28.21            | 17                               |
|               | 04-Oct-06        | N           |                          | -152.2        | 7.4         | 6,548                        | 26.53            | 24                               |
|               | 08-Nov-06        | N           |                          | -152          | 7.1         | 7,712                        | 26.23            | 18                               |
|               | 05-Dec-06        | N           |                          | -140.7        | 6.89        | 7,515                        | 25.04            | 12                               |
|               | 03-Jan-07        | N           |                          | -166.2        | 7.58        | 7,024                        | 25.19            | <10                              |
|               | 08-Feb-07        | N           |                          | -141.7        | 7.26        | 6,868                        | 25.85            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-153.7</b> | <b>7.37</b> | <b>6,727</b>                 | <b>26.11</b>     | <b>&lt;10</b>                    |
| PT-2M         | 17-Mar-06        | N           | 60-70                    | -170.9        | 7.29        | 7,304                        | 26.3             | <10                              |
|               | 06-Apr-06        | N           |                          | -173.8        | 8.01        | 7,752                        | 26.9             | <10                              |
|               | 24-May-06        | N           |                          | 44.3          | 7.61        | 5,902                        | 2,647            | <10                              |
|               | 31-May-06        | N           |                          | -65           | 7.14        | 7,271                        | 25.94            | <10                              |
|               | 07-Jun-06        | N           |                          | -99.7         | 7.62        | 6,825                        | 26.71            | <10                              |
|               | 18-Jul-06        | N           |                          | -173.1        | 7.16        | 6,849                        | 27.25            | <10                              |
|               | 08-Aug-06        | N           |                          | -27.6         | 7.44        | 6,797                        | 26.39            | <10                              |
|               | 06-Sep-06        | N           |                          | -227.6        | 7.66        | 6,610                        | 27.04            | 19                               |
|               | 04-Oct-06        | N           |                          | -82.9         | 7.33        | 6,592                        | 25.85            | 18                               |
|               | 08-Nov-06        | N           |                          | -20.1         | 6.9         | 6,813                        | 25.86            | <10                              |
|               | 05-Dec-06        | N           |                          | -62.8         | 6.73        | 6,639                        | 23.53            | 22                               |
|               | 03-Jan-07        | N           |                          | -160.3        | 7.47        | 6,298                        | 24.71            | 12                               |
|               | 07-Feb-07        | N           |                          | -69.5         | 7.09        | 6,221                        | 24.82            | 12                               |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-192.1</b> | <b>7.37</b> | <b>5,955</b>                 | <b>25.43</b>     | <b>&lt;10</b>                    |

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Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-2D         | 17-Mar-06        | N           | 95-105                   | -100.5        | 7.21        | 12,626                       | 26.17            | 1,600                            |
|               | 06-Apr-06        | N           |                          | -71.3         | 7.04        | 13,924                       | 26.03            | 2,300                            |
|               | 24-May-06        | N           |                          | 180.9         | 7.39        | 9,229                        | 26.45            | 1,640                            |
|               | 31-May-06        | N           |                          | -51.2         | 7.39        | 11,157                       | 25.95            | 1,160                            |
|               | 07-Jun-06        | N           |                          | 403.3         | 7.61        | 10,386                       | 26.21            | 840                              |
|               | 17-Jul-06        | N           |                          | 426.4         | 7.46        | 11,231                       | 26.63            | 500                              |
|               | 07-Aug-06        | N           |                          | -134.6        | 7.43        | 11,647                       | 26.8             | 660                              |
|               | 14-Aug-06        | N           |                          | 3.5           | 7.95        | 11,541                       | 26.64            | 620                              |
|               | 17-Aug-06        | N           |                          | -157.2        | 7.93        | 11,608                       | 26.61            | 560                              |
|               | 21-Aug-06        | N           |                          | -177.7        | 8.26        | 11,140                       | 26.52            | 500                              |
|               | 24-Aug-06        | N           |                          | -73.9         | 8.01        | 10,924                       | 26.45            | 580                              |
|               | 29-Aug-06        | N           |                          | -72           | 8.01        | 10,433                       | 26.39            | 680                              |
|               | 05-Sep-06        | N           |                          | -234.6        | 7.82        | 10,660                       | 27.33            | 520                              |
|               | 12-Sep-06        | N           |                          | -87           | 7.74        | 10,774                       | 26.5             | 520                              |
|               | 19-Sep-06        | N           |                          | -245.7        | 7.65        | 9,754                        | 26.57            | 500                              |
|               | 28-Sep-06        | N           |                          | -146.9        | 7.68        | 9,443                        | 26.41            | 258                              |
|               | 04-Oct-06        | N           |                          | 91            | 7.58        | 9,240                        | 25.85            | 4220*                            |
|               | 17-Oct-06        | N           |                          | 378.7         | 7.42        | 9,445                        | 25.45            | 76                               |
|               | 31-Oct-06        | N           |                          | 393.3         | 7.53        | 10,065                       | 25.69            | 282                              |
|               | 08-Nov-06        | N           |                          | 212           | 7.31        | 10,769                       | 25.98            | 225                              |
|               | 14-Nov-06        | N           |                          | 395.4         | 7.46        | 10,256                       | 25.4             | 279                              |
|               | 21-Nov-06        | N           |                          | 12.2          | 7.48        | 10,695                       | 25.42            | 253                              |
|               | 28-Nov-06        | N           |                          | 22.1          | 7.38        | 10,417                       | 23.83            | 214                              |
|               | 05-Dec-06        | N           |                          | -106.9        | 7.04        | 10,124                       | 24.67            | 205                              |
|               | 18-Dec-06        | N           |                          | -95.5         | 8           | 10,285                       | 24.75            | 158                              |
|               | 03-Jan-07        | N           |                          | 61.2          | 7.67        | 10,700                       | 23.92            | 151                              |
|               | 15-Jan-07        | N           |                          | -149.5        | 7.69        | 11,205                       | 23.90            | 170                              |
|               | 29-Jan-07        | N           |                          | -240.6        | 7.49        | 11,398                       | 24.65            | 151                              |
|               | 08-Feb-07        | N           |                          | -17.7         | 7.39        | 12,399                       | 23.77            | 109                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-141.2</b> | <b>7.53</b> | <b>12,397</b>                | <b>25.49</b>     | <b>90</b>                        |

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March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-3S         | 16-Mar-06        | N           | 35-45                    | -218.9        | 7.14        | 6,353                        | 26.67            | <10                              |
|               | 03-Apr-06        | N           |                          | -238.1        | 7.38        | 6,846                        | 26.68            | <10                              |
|               | 04-May-06        | N           |                          | -119.3        | 8.1         | 6,380                        | 27.1             | <10                              |
|               | 05-May-06        | N           |                          | -130.6        | 7.44        | 6,690                        | 26.46            | <10                              |
|               | 06-May-06        | N           |                          | -130.7        | 7.1         | 6,363                        | 26.6             | <10                              |
|               | 07-May-06        | N           |                          | -115.2        | 7.25        | 6,846                        | 26.56            | <10                              |
|               | 09-May-06        | N           |                          | -43.9         | 7.27        | 6,976                        | 26.55            | <10                              |
|               | 10-May-06        | N           |                          | -135.7        | 7.35        | 6,419                        | 26.81            | 11                               |
|               | 11-May-06        | N           |                          | -20.1         | 7.39        | 6,218                        | 26.77            | <10                              |
|               | 12-May-06        | N           |                          | -92.7         | 7.14        | 6,169                        | 26.69            | <10                              |
|               | 13-May-06        | N           |                          | -90.5         | 7.28        | 6,358                        | 26.7             | ---                              |
|               | 23-May-06        | N           |                          | 1.37          | 7.13        | 5,944                        | 26.82            | <10                              |
|               | 30-May-06        | N           |                          | -162.7        | 12.28       | 5,971                        | 27.5             | 13                               |
|               | 06-Jun-06        | N           |                          | -177.7        | 7.57        | 5,295                        | 26.72            | 12                               |
|               | 19-Jul-06        | N           |                          | -166.3        | 7.27        | 5,771                        | 26.64            | <10                              |
|               | 08-Aug-06        | N           |                          | -120.1        | 7.04        | 6,105                        | 27.83            | <10                              |
|               | 06-Sep-06        | N           |                          | -98           | 7.52        | 6,205                        | 26.68            | 23                               |
|               | 04-Oct-06        | N           |                          | -156.2        | 7.32        | 6,249                        | 26.31            | 20                               |
|               | 07-Nov-06        | N           |                          | -155.4        | 7.43        | 6,586                        | 26.4             | 20                               |
|               | 05-Dec-06        | N           |                          | -146.3        | 6.85        | 6,377                        | 24.46            | 32                               |
|               | 03-Jan-07        | N           |                          | -141.2        | 7.55        | 6,391                        | 24.52            | <10                              |
|               | 07-Feb-07        | N           |                          | -154.4        | 7.70        | 6,706                        | 24.84            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-151.2</b> | <b>7.37</b> | <b>6,350</b>                 | <b>25.35</b>     | <b>&lt;10</b>                    |
| PT-3M         | 18-Mar-06        | N           | 60-70                    | -249.1        | 7.96        | 7,232                        | 26.19            | <10                              |
|               | 07-Apr-06        | N           |                          | -218.3        | 7.33        | 8,041                        | 26.06            | ---                              |
|               | 04-May-06        | N           |                          | -101.8        | 8.68        | 7,193                        | 24.31            | ---                              |
|               | 05-May-06        | N           |                          | -106          | 7.99        | 7,665                        | 26.05            | <10                              |
|               | 06-May-06        | N           |                          | -96.6         | 7.53        | 7,613                        | 25.83            | <10                              |
|               | 07-May-06        | N           |                          | -82           | 7.64        | 7,681                        | 26.23            | <10                              |
|               | 09-May-06        | N           |                          | -8.4          | 7.58        | 7,718                        | 25.98            | <10                              |
|               | 10-May-06        | N           |                          | -103          | 7.61        | 7,176                        | 26.41            | 14                               |
|               | 11-May-06        | N           |                          | -86.4         | 7.7         | 6,879                        | 26.32            | <10                              |
|               | 12-May-06        | N           |                          | -71.8         | 7.54        | 6,927                        | 26.27            | 13                               |
|               | 13-May-06        | N           |                          | 6.9           | 7.49        | 7,130                        | 26.12            | ---                              |
|               | 23-May-06        | N           |                          | 42.8          | 7.38        | 7,475                        | 26.13            | <10                              |
|               | 30-May-06        | N           |                          | -70.3         | 12.31       | 7,977                        | 26.69            | 16                               |
|               | 06-Jun-06        | N           |                          | -112.8        | 7.68        | 7,026                        | 25.75            | <10                              |
|               | 19-Jul-06        | N           |                          | -156.3        | 7.33        | 6,911                        | 25.7             | <10                              |
|               | 08-Aug-06        | N           |                          | -92.5         | 7.52        | 7,048                        | 26.72            | 10                               |
|               | 06-Sep-06        | N           |                          | -39.3         | 7.68        | 6,777                        | 25.84            | 14                               |
|               | 04-Oct-06        | N           |                          | -126.1        | 7.49        | 6,566                        | 25.36            | 19                               |
|               | 07-Nov-06        | N           |                          | -150          | 7.38        | 6,571                        | 26.48            | 19                               |
|               | 05-Dec-06        | N           |                          | -108.9        | 7.04        | 6,219                        | 24.26            | 60                               |
|               | 03-Jan-07        | N           |                          | -149.1        | 7.68        | 6,098                        | 24.48            | 13                               |
|               | 07-Feb-07        | N           |                          | -147.7        | 7.87        | 6,074                        | 24.43            | <10                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-113.4</b> | <b>7.48</b> | <b>5,693</b>                 | <b>25.12</b>     | <b>&lt;10</b>                    |

**Table 2**  
**Summary of Field Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)     | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|--------------|-------------|------------------------------|------------------|----------------------------------|
| PT-3D         | 18-Mar-06        | N           | 95-105                   | -54.4        | 7.38        | 13,782                       | 25.98            | 4,620                            |
|               | 05-Apr-06        | N           |                          | 51.8         | 7.51        | 14,347                       | 26.71            | 7,760                            |
|               | 05-May-06        | N           |                          | 66.7         | 7.87        | 13,263                       | 25.96            | 3,140                            |
|               | 06-May-06        | N           |                          | 71.7         | 7.54        | 11,437                       | 26.03            | 3,440                            |
|               | 07-May-06        | N           |                          | 76.8         | 7.81        | 9,027                        | 26.14            | 4,200                            |
|               | 09-May-06        | N           |                          | 168.5        | 7.62        | 12,715                       | 26.08            | 3,960                            |
|               | 10-May-06        | N           |                          | 2.6          | 6.66        | 10,771                       | 26.33            | 3,960                            |
|               | 11-May-06        | N           |                          | -11.9        | 7.86        | 11,767                       | 26.28            | 3,780                            |
|               | 12-May-06        | N           |                          | -6.1         | 7.65        | 12,290                       | 26.18            | 3,720                            |
|               | 13-May-06        | N           |                          | 144.5        | 7.72        | 12,139                       | 26.33            | ---                              |
|               | 23-May-06        | N           |                          | 129.1        | 7.31        | 13,111                       | 27.37            | 3,900                            |
|               | 30-May-06        | N           |                          | 30.7         | 12.4        | 13,907                       | 27.29            | 3,800                            |
|               | 06-Jun-06        | N           |                          | 12.6         | 7.71        | 12,310                       | 25.82            | 3,380                            |
|               | 17-Jul-06        | N           |                          | -246.7       | 7.51        | 12,277                       | 26.17            | 1,920                            |
|               | 08-Aug-06        | N           |                          | -66.9        | 8.62        | 13,045                       | 29.12            | 4,100                            |
|               | 14-Aug-06        | N           |                          | -24.3        | 8.46        | 10,984                       | 26.95            | 3,140                            |
|               | 17-Aug-06        | N           |                          | -176.1       | 8.34        | 11,853                       | 26.29            | 3,600                            |
|               | 21-Aug-06        | N           |                          | -163.9       | 8.54        | 12,168                       | 26.73            | 3,860                            |
|               | 24-Aug-06        | N           |                          | -95.2        | 8.31        | 12,213                       | 26.3             | 3,520                            |
|               | 29-Aug-06        | N           |                          | -124.4       | 8.34        | 12,065                       | 26.68            | 3,340                            |
|               | 05-Sep-06        | N           |                          | -61.2        | 8.41        | 12,130                       | 26.55            | 3,200                            |
|               | 12-Sep-06        | N           |                          | -144.8       | 8.01        | 12,434                       | 26.47            | 2,880                            |
|               | 19-Sep-06        | N           |                          | -231.4       | 7.66        | 12,884                       | 26.31            | 3,100                            |
|               | 28-Sep-06        | N           |                          | -115.5       | 7.75        | 12,579                       | 25.98            | 3,800                            |
|               | 04-Oct-06        | N           |                          | -69.8        | 7.84        | 12,638                       | 26.11            | 3,520                            |
|               | 17-Oct-06        | N           |                          | -115.2       | 7.61        | 13,181                       | 26.85            | 700                              |
|               | 31-Oct-06        | N           |                          | -74.9        | 7.77        | 13,265                       | 25.45            | 3,440                            |
|               | 07-Nov-06        | N           |                          | -140.8       | 7.94        | 13,517                       | 26.23            | 2,640                            |
|               | 14-Nov-06        | N           |                          | -186.7       | 7.69        | 11,694                       | 25.13            | 680                              |
|               | 21-Nov-06        | N           |                          | -80.4        | 7.7         | 13,544                       | 25.1             | 2,960                            |
|               | 28-Nov-06        | N           |                          | -118.6       | 7.61        | 13,654                       | 23.36            | 2,880                            |
|               | 05-Dec-06        | N           |                          | -24.5        | 7.19        | 13,171                       | 24.79            | 3,100                            |
|               | 18-Dec-06        | N           |                          | -192.5       | 8.34        | 13,619                       | 23.5             | 4,120                            |
|               | 03-Jan-07        | N           |                          | -159.2       | 7.75        | 13,761                       | 25.26            | 3,400                            |
|               | 15-Jan-07        | N           |                          | -168.4       | 8.06        | 13,540                       | 23.46            | 3,200                            |
|               | 29-Jan-07        | N           |                          | -211.6       | 7.6         | 13,155                       | 24.1             | 3,060                            |
|               | 07-Feb-07        | N           |                          | -139.1       | 8.07        | 14,021                       | 24.7             | 3,280                            |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-44.9</b> | <b>7.66</b> | <b>13,494</b>                | <b>25.75</b>     | <b>3,480</b>                     |

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**Summary of Field Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-4S         | 15-Mar-06        | N           | 35-45                    | -257          | 7.32        | 7,072                        | 26.16            | <10                              |
|               | 06-Apr-06        | N           |                          | -159.9        | 7.8         | 7,783                        | 26.11            | <10                              |
|               | 04-May-06        | N           |                          | -117          | 8.33        | 6,585                        | 25.39            | <10                              |
|               | 05-May-06        | N           |                          | -126.6        | 7.7         | 7,325                        | 25.82            | <10                              |
|               | 09-May-06        | N           |                          | -93.5         | 7.21        | 7,752                        | 25.75            | <10                              |
|               | 10-May-06        | N           |                          | -119.8        | 7.41        | 4,939                        | 26.33            | <10                              |
|               | 11-May-06        | N           |                          | 6.2           | 7.62        | 7,180                        | 27.26            | <10                              |
|               | 12-May-06        | N           |                          | -71.2         | 7.35        | 6,997                        | 26.08            | 14                               |
|               | 13-May-06        | N           |                          | -68.7         | 7.6         | 7,305                        | 26.09            | ---                              |
|               | 23-May-06        | N           |                          | 20.4          | 7.53        | 6,411                        | 27.13            | <10                              |
|               | 30-May-06        | N           |                          | -121.7        | 7.1         | 7,504                        | 25.93            | <10                              |
|               | 06-Jun-06        | N           |                          | -230.2        | 7.78        | 7,377                        | 27.56            | <10                              |
|               | 19-Jul-06        | N           |                          | -137.8        | 7.33        | 7,106                        | 26.16            | 11                               |
|               | 08-Aug-06        | N           |                          | -151.6        | 7.2         | 7,174                        | 26.05            | 11                               |
|               | 06-Sep-06        | N           |                          | -126.1        | 7.73        | 7,212                        | 26.7             | <10                              |
|               | 04-Oct-06        | N           |                          | -130          | 7.62        | 7,314                        | 26.67            | 11                               |
|               | 08-Nov-06        | N           |                          | -135.2        | 7.88        | 7,478                        | 24.89            | 13                               |
|               | 05-Dec-06        | N           |                          | -145.3        | 6.97        | 7,165                        | 24.14            | 65                               |
|               | 03-Jan-07        | N           |                          | -125          | 7.39        | 7,329                        | 25.09            | <10                              |
|               | 07-Feb-07        | N           |                          | -149.5        | 7.48        | 7,186                        | 24.24            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-140.2</b> | <b>7.44</b> | <b>6,470</b>                 | <b>25.14</b>     | <b>&lt;10</b>                    |
| PT-4M         | 15-Mar-06        | N           | 60-70                    | -246.1        | 7.9         | 6,784                        | 25.99            | <10                              |
|               | 07-Apr-06        | N           |                          | -210.5        | 7.48        | 7,566                        | 26.28            | ---                              |
|               | 04-May-06        | N           |                          | -119.6        | 8.74        | 7,031                        | 24.95            | <10                              |
|               | 08-May-06        | N           |                          | -113.4        | 7.97        | 7,384                        | 26.14            | 11                               |
|               | 09-May-06        | N           |                          | -58.9         | 7.74        | 7,588                        | 25.84            | <10                              |
|               | 10-May-06        | N           |                          | -134          | 7.73        | 7,022                        | 26.24            | <10                              |
|               | 11-May-06        | N           |                          | -115.2        | 7.92        | 6,991                        | 26.21            | <10                              |
|               | 12-May-06        | N           |                          | -95.1         | 7.73        | 7,084                        | 25.79            | <10                              |
|               | 13-May-06        | N           |                          | -68.6         | 7.85        | 6,265                        | 25.93            | ---                              |
|               | 23-May-06        | N           |                          | 25.9          | 7.81        | 6,267                        | 26.82            | <10                              |
|               | 30-May-06        | N           |                          | -113.1        | 7.48        | 7,467                        | 25.61            | 11                               |
|               | 06-Jun-06        | N           |                          | -211.3        | 7.89        | 7,258                        | 26.68            | <10                              |
|               | 19-Jul-06        | N           |                          | -146.4        | 7.44        | 6,939                        | 26.19            | <10                              |
|               | 08-Aug-06        | N           |                          | -160.5        | 7.29        | 6,976                        | 25.76            | 10                               |
|               | 06-Sep-06        | N           |                          | -110.5        | 7.77        | 6,825                        | 26.08            | <10                              |
|               | 04-Oct-06        | N           |                          | -123.5        | 7.6         | 6,918                        | 26.34            | 18                               |
|               | 08-Nov-06        | N           |                          | -178.6        | 7.82        | 6,623                        | 25.25            | 17                               |
|               | 05-Dec-06        | N           |                          | -128.9        | 7.01        | 6,042                        | 24.18            | 28                               |
|               | 03-Jan-07        | N           |                          | -100.1        | 7.42        | 6,177                        | 24.9             | <10                              |
|               | 07-Feb-07        | N           |                          | -120.8        | 7.52        | 5,790                        | 24.07            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-120.2</b> | <b>7.45</b> | <b>5,392</b>                 | <b>24.64</b>     | <b>&lt;10</b>                    |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-4D         | 15-Mar-06        | N           | 95-105                   | -98.4         | 7.4         | 15,180                       | 26.02            | 5,800                            |
|               | 05-Apr-06        | N           |                          | -30           | 7.58        | 162,310                      | 26.61            | 5,840                            |
|               | 08-May-06        | N           |                          | 62.7          | 7.93        | 14,947                       | 26.1             | 5,920                            |
|               | 09-May-06        | N           |                          | 48.3          | 7.45        | 14,719                       | 25.92            | 6,520                            |
|               | 10-May-06        | N           |                          | 42.1          | 7.68        | 14,351                       | 26.14            | 6,160                            |
|               | 11-May-06        | N           |                          | -10.2         | 7.84        | 13,923                       | 26.15            | 5,920                            |
|               | 12-May-06        | N           |                          | -4.5          | 7.72        | 14,580                       | 25.97            | 7,480                            |
|               | 13-May-06        | N           |                          | 28.1          | 7.69        | 12,744                       | 26               | ---                              |
|               | 23-May-06        | N           |                          | 50            | 7.91        | 13,640                       | 31.2             | 4,840                            |
|               | 30-May-06        | N           |                          | -81.3         | 7.43        | 15,116                       | 25.97            | 5,800                            |
|               | 06-Jun-06        | N           |                          | -174.3        | 7.81        | 15,010                       | 26.65            | 4,780                            |
|               | 19-Jul-06        | N           |                          | -76.3         | 7.49        | 14,389                       | 25.97            | 5,960                            |
|               | 08-Aug-06        | N           |                          | -135.9        | 7.32        | 14,160                       | 25.09            | 6,220                            |
|               | 06-Sep-06        | N           |                          | 46.8          | 7.79        | 14,720                       | 26.1             | 5,020                            |
|               | 04-Oct-06        | N           |                          | -99.4         | 7.7         | 14,992                       | 27.04            | 5,280                            |
|               | 08-Nov-06        | N           |                          | 11.4          | 7.72        | 15,619                       | 24.91            | 5,640                            |
|               | 05-Dec-06        | N           |                          | -5.4          | 7.19        | 15,149                       | 24.11            | 5,660                            |
|               | 03-Jan-07        | N           |                          | 15.5          | 7.64        | 16,119                       | 24.81            | 5,580                            |
|               | 07-Feb-07        | N           |                          | -99.3         | 7.68        | 15,975                       | 25.17            | 5,300                            |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-41.9</b>  | <b>7.65</b> | <b>15,324</b>                | <b>25.8</b>      | <b>5,100</b>                     |
| PT-5S         | 16-Mar-06        | N           | 35-45                    | -204.9        | 7.33        | 7,714                        | 25.81            | <10                              |
|               | 07-Apr-06        | N           |                          | -177.3        | 7           | 8,640                        | 25.75            | ---                              |
|               | 01-Jun-06        | N           |                          | -88.9         | 7.17        | 8,682                        | 25.46            | <10                              |
|               | 19-Jul-06        | N           |                          | -134.5        | 7.23        | 8,660                        | 25.53            | <10                              |
|               | 09-Aug-06        | N           |                          | -172.2        | 7.37        | 8,902                        | 25.2             | <10                              |
|               | 08-Sep-06        | N           |                          | -209.6        | 7.32        | 8,742                        | 25.63            | 26                               |
|               | 05-Oct-06        | N           |                          | -133.7        | 7.32        | 8,975                        | 25.91            | 12                               |
|               | 09-Nov-06        | N           |                          | -108.7        | 7.33        | 9,205                        | 22.15            | 18                               |
|               | 06-Dec-06        | N           |                          | -136.8        | 7.33        | 9,454                        | 23.91            | 25                               |
|               | 04-Jan-07        | N           |                          | 121.7         | 7.37        | 10,029                       | 22.51            | 12                               |
|               | 08-Feb-07        | N           |                          | -124.1        | 7.19        | 9,907                        | 22.69            | <10                              |
|               | <b>03-Mar-07</b> | <b>N</b>    |                          | <b>-127.7</b> | <b>7.21</b> | <b>9,417</b>                 | <b>24.46</b>     | <b>&lt;10</b>                    |
| PT-5M         | 16-Mar-06        | N           | 60-70                    | -184.6        | 7.29        | 6,989                        | 25.48            | <10                              |
|               | 07-Apr-06        | N           |                          | -183.5        | 6.97        | 8,609                        | 25.8             | ---                              |
|               | 01-Jun-06        | N           |                          | -49.9         | 7.05        | 6,191                        | 24.82            | <10                              |
|               | 19-Jul-06        | N           |                          | -113.4        | 7.26        | 5,091                        | 25.32            | <10                              |
|               | 09-Aug-06        | N           |                          | -171.5        | 7.46        | 4,740                        | 24.81            | <10                              |
|               | 08-Sep-06        | N           |                          | -184.3        | 7.58        | 4,666                        | 25.16            | <10                              |
|               | 05-Oct-06        | N           |                          | -113.8        | 7.53        | 4,606                        | 24.89            | 10                               |
|               | 09-Nov-06        | N           |                          | -61.7         | 7.57        | 4,571                        | 22.25            | <10                              |
|               | 06-Dec-06        | N           |                          | -69.3         | 7.55        | 4,807                        | 23.06            | 38                               |
|               | 04-Jan-07        | N           |                          | -69.1         | 7.62        | 5,397                        | 23.65            | <10                              |
|               | 08-Feb-07        | N           |                          | -55.9         | 7.39        | 5,583                        | 23.26            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-174.7</b> | <b>7.42</b> | <b>5,361</b>                 | <b>23.97</b>     | <b>&lt;10</b>                    |

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 PG&E Topock  
 Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PT-5D         | 16-Mar-06        | N           | 95-105                   | -191.1        | 7.71        | 8,304                        | 25.85            | 6,200                            |
|               | 07-Apr-06        | N           |                          | -181.1        | 7.05        | 8,561                        | 25.78            | ---                              |
|               | 12-May-06        | N           |                          | -1.2          | 7.7         | 13,620                       | 26.62            | 5,240                            |
|               | 01-Jun-06        | N           |                          | -45.5         | 7.47        | 14,037                       | 25.5             | 3,660                            |
|               | 17-Jul-06        | N           |                          | -208.6        | 7.55        | 13,286                       | 25.97            | 3,940                            |
|               | 09-Aug-06        | N           |                          | -128.2        | 7.41        | 13,646                       | 25.65            | 4,380                            |
|               | 08-Sep-06        | N           |                          | -168          | 7.65        | 13,954                       | 25.45            | 4,600                            |
|               | 05-Oct-06        | N           |                          | -78.9         | 7.66        | 14,067                       | 26.14            | 4,100                            |
|               | 09-Nov-06        | N           |                          | -46.2         | 7.82        | 15,243                       | 23.18            | 4,980                            |
|               | 06-Dec-06        | N           |                          | 18.8          | 7.77        | 14,972                       | 24.06            | 4,720                            |
|               | 04-Jan-07        | N           |                          | 28.4          | 7.79        | 16,363                       | 23.39            | 4,840                            |
|               | 08-Feb-07        | N           |                          | 19.2          | 7.49        | 16,006                       | 23.64            | 4,120                            |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>-85.6</b>  | <b>7.43</b> | <b>15,662</b>                | <b>24.81</b>     | <b>3,600</b>                     |
| PT-6S         | 18-Mar-06        | N           | 35-45                    | -91.7         | 6.99        | 10,053                       | 25.49            | <10                              |
|               | 04-Apr-06        | N           |                          | -187.9        | 7.22        | 10,379                       | 26.56            | <10                              |
|               | 13-May-06        | N           |                          | -48.4         | 7.31        | 7,353                        | 26.62            | ---                              |
|               | 22-May-06        | N           |                          | -14           | 7.21        | 7,476                        | 26.59            | <10                              |
|               | 01-Jun-06        | N           |                          | 556.8         | 6.52        | 4,423                        | 27.56            | <10                              |
|               | 06-Jun-06        | N           |                          | -164.1        | 7.65        | 8,564                        | 26.25            | 14                               |
|               | 19-Jul-06        | N           |                          | -161.6        | 6.97        | 8,271                        | 22.57            | 12                               |
|               | 09-Aug-06        | N           |                          | -107.7        | 6.88        | 9,196                        | 26.87            | 52                               |
|               | 08-Sep-06        | N           |                          | -143.6        | 7.78        | 9,508                        | 26.05            | 45                               |
|               | 05-Oct-06        | N           |                          | -139.1        | 7.09        | 9,579                        | 25.84            | 20                               |
|               | 09-Nov-06        | N           |                          | -138.6        | 7.04        | 10,797                       | 25.75            | 25                               |
|               | 06-Dec-06        | N           |                          | -136.9        | 6.81        | 11,708                       | 23.92            | 62                               |
|               | 04-Jan-07        | N           |                          | -140.1        | 7.13        | 11,955                       | 22.67            | 22                               |
|               | 08-Feb-07        | N           |                          | -135.7        | 7.44        | 12,120                       | 23.88            | <10                              |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>-146.2</b> | <b>6.98</b> | <b>9,707</b>                 | <b>25.6</b>      | <b>&lt;10</b>                    |
| PT-6M         | 16-Mar-06        | N           | 60-70                    | -120.1        | 7.25        | 7,221                        | 26.13            | <10                              |
|               | 04-Apr-06        | N           |                          | -114.1        | 7.45        | 7,761                        | 26.18            | <10                              |
|               | 13-May-06        | N           |                          | 22.6          | 7.46        | 6,212                        | 26.22            | ---                              |
|               | 23-May-06        | N           |                          | 85.6          | 7.57        | 5,988                        | 26.51            | <10                              |
|               | 01-Jun-06        | N           |                          | 675.3         | 6.84        | 3,952                        | 27.04            | <10                              |
|               | 06-Jun-06        | N           |                          | -197.1        | 7.98        | 6,832                        | 2,610            | <10                              |
|               | 19-Jul-06        | N           |                          | -168.5        | 7.28        | 6,528                        | 26.7             | <10                              |
|               | 09-Aug-06        | N           |                          | -38.9         | 7.2         | 6,396                        | 26.43            | <10                              |
|               | 08-Sep-06        | N           |                          | -38.6         | 8.12        | 6,168                        | 25.81            | 28                               |
|               | 05-Oct-06        | N           |                          | -21.2         | 7.61        | 6,166                        | 25.52            | <10                              |
|               | 09-Nov-06        | N           |                          | 20            | 7.52        | 6,076                        | 25.21            | <10                              |
|               | 06-Dec-06        | N           |                          | -45.2         | 7.28        | 6,198                        | 24.57            | 29                               |
|               | 04-Jan-07        | N           |                          | -135.1        | 7.6         | 5,966                        | 24.06            | <10                              |
|               | 08-Feb-07        | N           |                          | -96.1         | 7.79        | 6,398                        | 23.75            | <10                              |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>-74.2</b>  | <b>7.36</b> | <b>5,975</b>                 | <b>24.97</b>     | <b>&lt;10</b>                    |



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**Summary of Field Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PTI-6D        | 16-Mar-06        | N           | 95-105                   | -118.9        | 7.73        | 13,489                       | 25.9             | 3,380                            |
|               | 04-Apr-06        | N           |                          | -91.1         | 7.72        | 12,784                       | 26.95            | 2,580                            |
|               | 13-May-06        | N           |                          | 28.7          | 7.77        | 9,829                        | 25.87            | ---                              |
|               | 22-May-06        | N           |                          | 79.4          | 7.9         | 9,631                        | 26.37            | 2,040                            |
|               | 01-Jun-06        | N           |                          | 692.8         | 7.08        | 6,017                        | 26.42            | 1,360                            |
|               | 06-Jun-06        | N           |                          | -170.6        | 8           | 10,470                       | 25.84            | 1,000                            |
|               | 17-Jul-06        | N           |                          | -681.6        | 7.62        | 10,365                       | 26.49            | 920                              |
|               | 09-Aug-06        | N           |                          | -43.8         | 7.5         | 10,793                       | 26.84            | 1,600                            |
|               | 08-Sep-06        | N           |                          | 14.3          | 8.26        | 11,809                       | 25.89            | 1,780                            |
|               | 05-Oct-06        | N           |                          | -12.7         | 7.76        | 10,885                       | 25.36            | 1,080                            |
|               | 09-Nov-06        | N           |                          | 131.7         | 7.68        | 11,006                       | 25.01            | 1,400                            |
|               | 06-Dec-06        | N           |                          | -31.7         | 7.45        | 11,056                       | 24.15            | 1,280                            |
|               | 04-Jan-07        | N           |                          | -171.3        | 7.75        | 11,078                       | 24.07            | 1,620                            |
|               | 08-Feb-07        | N           |                          | -97.2         | 8.02        | 12,060                       | 24.53            | 1,220                            |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>-44.9</b>  | <b>7.54</b> | <b>11,502</b>                | <b>25.31</b>     | <b>820</b>                       |
| PTI-1S        | 15-Mar-06        | N           | 35-45                    | -203.1        | 7.1         | 6,390                        | 26.83            | <10                              |
|               | 05-Apr-06        | N           |                          | -184          | 7.28        | 6,964                        | 27.06            | <10                              |
|               | 06-May-06        | N           |                          | ---           | ---         | ---                          | ---              | 620                              |
|               | 07-May-06        | N           |                          | -137.8        | 6.73        | 4,936                        | 33.59            | 600                              |
|               | 09-May-06        | N           |                          | -54.8         | 6.57        | 5,627                        | 32.39            | ---                              |
|               | 10-May-06        | N           |                          | -155.1        | 6.29        | 5,313                        | 25.6             | 290                              |
|               | 11-May-06        | N           |                          | -156.5        | 6.27        | 5,326                        | 28.93            | 20                               |
|               | 12-May-06        | N           |                          | -71.9         | 6.8         | 4,457                        | 28.07            | 70                               |
|               | 13-May-06        | N           |                          | -132.8        | 6.58        | 4,582                        | 28.42            | ---                              |
|               | 23-May-06        | N           |                          | -21.3         | 6.66        | 4,262                        | 27.04            | <10                              |
|               | 31-May-06        | N           |                          | -146          | 6.93        | 4,313                        | 28.09            | 28                               |
|               | 05-Jun-06        | N           |                          | -240.5        | 7.88        | 4,144                        | 27.51            | <10                              |
|               | 18-Jul-06        | N           |                          | -164.1        | 7.28        | 6,399                        | 26.77            | 80                               |
|               | 07-Aug-06        | N           |                          | -124.1        | 7.22        | 6,771                        | 26.43            | <10                              |
|               | 07-Sep-06        | N           |                          | -98.6         | 7.54        | 6,865                        | 26.62            | 14                               |
|               | 03-Oct-06        | N           |                          | -171.7        | 7.35        | 6,861                        | 26.74            | <10                              |
|               | 07-Nov-06        | N           |                          | -178.4        | 6.86        | 7,209                        | 26.03            | 14                               |
|               | 04-Dec-06        | N           |                          | -172          | 6.84        | 7,347                        | 24.37            | 13                               |
|               | 02-Jan-07        | N           |                          | -153.2        | 7.15        | 7,219                        | 24.25            | <10                              |
|               | 06-Feb-07        | N           |                          | -143.5        | 7.83        | 6,890                        | 25.7             | <10                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-157.9</b> | <b>7.3</b>  | <b>6,820</b>                 | <b>24.97</b>     | <b>&lt;10</b>                    |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PTI-1M        | 15-Mar-06        | N           | 60-70                    | -220.1        | 7.38        | 7,338                        | 26.17            | 14                               |
|               | 04-Apr-06        | N           |                          | -173.8        | 7.71        | 7,919                        | 27.06            | 10                               |
|               | 06-May-06        | N           |                          | -6.8          | 6.82        | 6,623                        | 29.31            | 74                               |
|               | 07-May-06        | N           |                          | -17.2         | 7.08        | 6,244                        | 28.96            | 55                               |
|               | 09-May-06        | N           |                          | -2.3          | 7.22        | 7,559                        | 28.03            | 430                              |
|               | 10-May-06        | N           |                          | 57            | 7.26        | 6,179                        | 29.4             | 28                               |
|               | 11-May-06        | N           |                          | -149.5        | 7.02        | 7,325                        | 27.56            | 27                               |
|               | 12-May-06        | N           |                          | -72.4         | 7.52        | 6,066                        | 27.05            | 29                               |
|               | 13-May-06        | N           |                          | -229          | 7.45        | 6,745                        | 27.13            | ---                              |
|               | 23-May-06        | N           |                          | -231.7        | 6.66        | 6,204                        | 27.57            | 11                               |
|               | 31-May-06        | N           |                          | -120.2        | 7.2         | 6,824                        | 26.76            | 57                               |
|               | 05-Jun-06        | N           |                          | -254          | 8.13        | 7,092                        | 26.94            | <10                              |
|               | 18-Jul-06        | N           |                          | -180.1        | 7.56        | 6,990                        | 26.62            | <10                              |
|               | 07-Aug-06        | N           |                          | -150.3        | 7.45        | 6,940                        | 27.24            | <10                              |
|               | 07-Sep-06        | N           |                          | -78.2         | 7.87        | 6,923                        | 26.86            | 16                               |
|               | 03-Oct-06        | N           |                          | -112.8        | 7.27        | 6,621                        | 26.15            | <10                              |
|               | 07-Nov-06        | N           |                          | -160.2        | 6.47        | 6,610                        | 25.58            | <10                              |
|               | 04-Dec-06        | N           |                          | -64.1         | 7.00        | 6,278                        | 24.51            | 32                               |
|               | 02-Jan-07        | N           |                          | -75.6         | 7.29        | 6,291                        | 23.45            | 18                               |
|               | 06-Feb-07        | N           |                          | -130.1        | 7.88        | 5,871                        | 24.63            | <10                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-126.8</b> | <b>7.40</b> | <b>5,718</b>                 | <b>24.25</b>     | <b>&lt;10</b>                    |

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 PG&E Topock  
 Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)      | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|---------------|-------------|------------------------------|------------------|----------------------------------|
| PTI-1D        | 15-Mar-06        | N           | 95-105                   | -89.9         | 7.37        | 13,018                       | 26.04            | 1,780                            |
|               | 03-Apr-06        | N           |                          | -87           | 7.68        | 13,811                       | 26.07            | 3,520                            |
|               | 07-May-06        | N           |                          | 43.5          | 6.99        | 6,659                        | 27.75            | 61                               |
|               | 09-May-06        | N           |                          | 124.5         | 7.25        | 6,880                        | 29.05            | 870                              |
|               | 10-May-06        | N           |                          | 181           | 7.68        | 13,066                       | 29.78            | 3,320                            |
|               | 11-May-06        | N           |                          | 159.9         | 8.13        | 11,442                       | 27.48            | 1,140                            |
|               | 12-May-06        | N           |                          | 47.8          | 6.43        | 4,888                        | 28.17            | 122                              |
|               | 13-May-06        | N           |                          | -6.4          | 7.35        | 6,626                        | 26.74            | ---                              |
|               | 22-May-06        | N           |                          | 154.7         | 8.08        | 15,136                       | 27.57            | 980                              |
|               | 31-May-06        | N           |                          | -198.3        | 7.92        | 12,156                       | 26.32            | 1,160                            |
|               | 05-Jun-06        | N           |                          | -210.4        | 8.51        | 11,989                       | 28.74            | 920                              |
|               | 18-Jul-06        | N           |                          | -138.6        | 7.94        | 11,582                       | 26.93            | 1,700                            |
|               | 07-Aug-06        | N           |                          | -157.4        | 7.75        | 11,815                       | 27.14            | 1,720                            |
|               | 15-Aug-06        | N           |                          | -52.8         | 8.35        | 7,441                        | 29.07            | 100                              |
|               | 17-Aug-06        | N           |                          | -204.8        | 8.53        | 8,988                        | 29.38            | 140                              |
|               | 22-Aug-06        | N           |                          | -66           | 8.61        | 10,398                       | 28.19            | 160                              |
|               | 24-Aug-06        | N           |                          | -20.2         | 8.38        | 10,670                       | 28.31            | 220                              |
|               | 29-Aug-06        | N           |                          | -58.8         | 8.49        | 11,102                       | 27.95            | 186                              |
|               | 05-Sep-06        | N           |                          | -84.6         | 8.47        | 11,337                       | 27.51            | 240                              |
|               | 12-Sep-06        | N           |                          | -227.1        | 7.79        | 8,409                        | 28.97            | 74                               |
|               | 19-Sep-06        | N           |                          | -343.4        | 8.45        | 10,698                       | 27.31            | 30                               |
|               | 28-Sep-06        | N           |                          | -152.3        | 7.98        | 11,585                       | 26.35            | <10                              |
|               | 03-Oct-06        | N           |                          | -170.2        | 8.02        | 11,933                       | 26.63            | 13                               |
|               | 17-Oct-06        | N           |                          | -173.8        | 8.01        | 12,274                       | 27.14            | 28                               |
|               | 31-Oct-06        | N           |                          | -142.4        | 8.03        | 12,402                       | 25.97            | 175                              |
|               | 07-Nov-06        | N           |                          | -293.8        | 7.26        | 8,689                        | 26.44            | 10                               |
|               | 14-Nov-06        | N           |                          | -225.2        | 7.61        | 10,502                       | 26.11            | <10                              |
|               | 21-Nov-06        | N           |                          | -222.2        | 7.54        | 11,328                       | 24.75            | 26                               |
|               | 28-Nov-06        | N           |                          | -206.1        | 7.54        | 12,071                       | 23.86            | 28                               |
|               | 04-Dec-06        | N           |                          | -148.6        | 7.55        | 12,362                       | 25.68            | 16                               |
|               | 18-Dec-06        | N           |                          | -243.3        | 8.4         | 12,556                       | 22.72            | 21                               |
|               | 02-Jan-07        | N           |                          | -158.5        | 7.73        | 13,064                       | 23.65            | 36                               |
|               | 15-Jan-07        | N           |                          | -239.6        | 8.12        | 12,405                       | 23.35            | 77                               |
|               | 29-Jan-07        | N           |                          | -221.7        | 7.64        | 12,285                       | 24.06            | 78                               |
|               | 06-Feb-07        | N           |                          | -188.4        | 8.40        | 12,792                       | 24.75            | 166                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-152.5</b> | <b>7.88</b> | <b>12,194</b>                | <b>25.07</b>     | <b>193</b>                       |

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PG&E Topock  
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March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)     | pH          | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|---------------|------------------|-------------|--------------------------|--------------|-------------|------------------------------|------------------|----------------------------------|
| PE-1          | 17-Mar-06        | N           | 79-89                    | ---          | ---         | ---                          | ---              | 115                              |
|               | 05-Apr-06        | N           |                          | ---          | ---         | ---                          | ---              | 144                              |
|               | 01-Jun-06        | N           |                          | ---          | ---         | ---                          | ---              | 116                              |
|               | 17-Jul-06        | N           |                          | ---          | ---         | ---                          | ---              | 59                               |
|               | 07-Aug-06        | N           |                          | -29.4        | 6.53        | 9,401                        | 22.9             | 99                               |
|               | 06-Sep-06        | N           |                          | 2.2          | 7.56        | 9,443                        | 24.78            | 94                               |
|               | 03-Oct-06        | N           |                          | 160.6        | 7.5         | 9,190                        | 27.03            | 109                              |
|               | 07-Nov-06        | N           |                          | -94          | 7.06        | 9,235                        | 25.01            | 100                              |
|               | 06-Dec-06        | N           |                          | -7.5         | 7.2         | 9,111                        | 20.16            | 63                               |
|               | 02-Jan-07        | N           |                          | 209.6        | 7.31        | 9,264                        | 20.93            | 77                               |
|               | 06-Feb-07        | N           |                          | 51.4         | 7.1         | 8871                         | 19.31            | 65                               |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-63.5</b> | <b>7.6</b>  | <b>8560</b>                  | <b>25.4</b>      | <b>85</b>                        |
| TW-2D         | 17-Mar-06        | N           | 113-148                  | ---          | ---         | ---                          | ---              | 1,620                            |
|               | 05-Apr-06        | N           |                          | ---          | ---         | ---                          | ---              | 1,620                            |
|               | 19-Jul-06        | N           |                          | ---          | ---         | ---                          | ---              | 940                              |
|               | 07-Aug-06        | N           |                          | -35.5        | 7.18        | 7,991                        | 28.1             | 900                              |
|               | 14-Aug-06        | N           |                          | 54.8         | 7.45        | 7,793                        | 30.1             | 880                              |
|               | 17-Aug-06        | N           |                          | -202.6       | 7.72        | 7,053                        | 30.28            | 1,480                            |
|               | 22-Aug-06        | N           |                          | 63.1         | 7.2         | 7,364                        | 30.14            | 1,040                            |
|               | 24-Aug-06        | N           |                          | 95.2         | 7.73        | 6,605                        | 32.22            | 1,580                            |
|               | 29-Aug-06        | N           |                          | 163          | 7.39        | 7,387                        | 30.71            | 900                              |
|               | 06-Sep-06        | N           |                          | 16.6         | 7.49        | 7,964                        | 28.02            | 920                              |
|               | 12-Sep-06        | N           |                          | 79.1         | 7.46        | 5,675                        | 29.6             | 1,720                            |
|               | 19-Sep-06        | N           |                          | 81.9         | 7.09        | 6,967                        | 29.67            | 920                              |
|               | 28-Sep-06        | N           |                          | 36.4         | 7.66        | 5,605                        | 26.94            | 1,200                            |
|               | 04-Oct-06        | N           |                          | -73.6        | 7.58        | 8,257                        | 31.39            | 1,430                            |
|               | 17-Oct-06        | N           |                          | 337          | 7.5         | 10,003                       | 27.19            | 380                              |
|               | 31-Oct-06        | N           |                          | 144.9        | 7.54        | 6,974                        | 24.18            | 1,280                            |
|               | 08-Nov-06        | N           |                          | 61.7         | 6.97        | 6,041                        | 24.89            | 700                              |
|               | 14-Nov-06        | N           |                          | -59.4        | 7.36        | 7,633                        | 24.72            | 740                              |
|               | 21-Nov-06        | N           |                          | -86.8        | 7.5         | 6,492                        | 25.51            | 2,980                            |
|               | 28-Nov-06        | N           |                          | 217          | 7.3         | 6,917                        | 23.42            | 700                              |
|               | 06-Dec-06        | N           |                          | -12.3        | 7.14        | 6,871                        | 19.51            | 436                              |
|               | 18-Dec-06        | N           |                          | -21.8        | 7.58        | 7,189                        | 19.62            | 429                              |
|               | 02-Jan-07        | N           |                          | -77.6        | 7.43        | 8,060                        | 17.02            | 640                              |
|               | 15-Jan-07        | N           |                          | -90.4        | 7.53        | 7,340                        | 13.98            | 580                              |
|               | 29-Jan-07        | N           |                          | -70.9        | 7.38        | 5,637                        | 61.2             | 620                              |
|               | 06-Feb-07        | N           |                          | 41.5         | 7.47        | 7,916                        | 19.91            | 560                              |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>-57.9</b> | <b>7.41</b> | <b>8,388</b>                 | <b>25.9</b>      | <b>480</b>                       |

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| Location Name   | Sample Date      | Sample Type | Screen Interval (ft bgs) | ORP (mV)     | pH         | Specific Conductance (µS/cm) | Temperature (C°) | Hexavalent Chromium Field (µg/L) |
|-----------------|------------------|-------------|--------------------------|--------------|------------|------------------------------|------------------|----------------------------------|
| TW-3D           | 17-Mar-06        | N           | 111-156                  | ---          | ---        | ---                          | ---              | 3,660                            |
|                 | 05-Apr-06        | N           |                          | ---          | ---        | ---                          | ---              | 3,460                            |
|                 | 19-Jul-06        | N           |                          | ---          | ---        | ---                          | ---              | 2,760                            |
|                 | 07-Aug-06        | N           |                          | -45.9        | 7.45       | 9,325                        | 28.1             | 2,300                            |
|                 | 14-Aug-06        | N           |                          | 52.1         | 7.82       | 9,071                        | 30.04            | 2,880                            |
|                 | 17-Aug-06        | N           |                          | -195.4       | 7.69       | 9,016                        | 30.2             | 2,740                            |
|                 | 22-Aug-06        | N           |                          | 32.9         | 8.03       | 8,856                        | 31.02            | 2,760                            |
|                 | 24-Aug-06        | N           |                          | 101.8        | 7.8        | 8,663                        | 30.83            | 2,840                            |
|                 | 29-Aug-06        | N           |                          | 199.4        | 6.88       | 8,476                        | 30.78            | 2,800                            |
|                 | 06-Sep-06        | N           |                          | 4.9          | 7.45       | 8,959                        | 28.64            | 2,840                            |
|                 | 12-Sep-06        | N           |                          | 87           | 7.48       | 9,435                        | 29.96            | 2,820                            |
|                 | 19-Sep-06        | N           |                          | 73.4         | 7.13       | 8,913                        | 29.35            | 2,740                            |
|                 | 28-Sep-06        | N           |                          | -86.7        | 7.27       | 8,899                        | 30.27            | 2,780                            |
|                 | 04-Oct-06        | N           |                          | -62.4        | 7.47       | 8,411                        | 30.8             | 3,320                            |
|                 | 17-Oct-06        | N           |                          | 350.4        | 7.31       | 9,043                        | 26.31            | 720                              |
|                 | 31-Oct-06        | N           |                          | 134.7        | 7.4        | 8,896                        | 25.16            | 2,860                            |
|                 | 08-Nov-06        | N           |                          | 65.3         | 7.11       | 9,172                        | 25.2             | 2,740                            |
|                 | 14-Nov-06        | N           |                          | -13.3        | 7.5        | 8,843                        | 24.72            | 2,740                            |
|                 | 21-Nov-06        | N           |                          | -67.6        | 7.39       | 9,051                        | 25.92            | 2,920                            |
|                 | 28-Nov-06        | N           |                          | 179.9        | 7.26       | 9,038                        | 26.4             | 2,700                            |
|                 | 06-Dec-06        | N           |                          | -4.3         | 7.1        | 8,937                        | 21.78            | 2,120                            |
|                 | 18-Dec-06        | N           |                          | -27.7        | 7.69       | 9,064                        | 20.63            | 3,260                            |
|                 | 02-Jan-07        | N           |                          | -55          | 7.45       | 9,465                        | 16.94            | 2,580                            |
|                 | 15-Jan-07        | N           |                          | -43.9        | 7.49       | 9,131                        | 19.22            | 2,580                            |
|                 | 29-Jan-07        | N           |                          | -27.8        | 7.47       | 8,892                        | 60.48            | 2,660                            |
|                 | 06-Feb-07        | N           |                          | 48.5         | 7.44       | 9,153                        | 20.17            | 2,580                            |
|                 | <b>06-Mar-07</b> | N           |                          | <b>-48.3</b> | <b>7.4</b> | <b>9,229</b>                 | <b>26.7</b>      | <b>2,560</b>                     |
| INJ_SOLUTION_01 | 05-May-06        | N           | NA                       | ---          | ---        | ---                          | ---              | <10                              |
| INJ_SOLUTION_03 | 06-May-06        | N           | NA                       | ---          | ---        | ---                          | ---              | 174                              |

Notes:

Most recent data indicated in **BOLD**

ft bgs                      Feet below ground surface

mV                         Millivolts

µS/cm                    Microsiemens per centimeter

C°                         Degrees Celsius

µg/L                      Micrograms per liter

ORP                      Oxidation Reduction Potential

<                         Symbol indicates not detected at or above the estimated reporting limit as noted.

N                         Normal

---

NA                      Not applicable

\*                         Possible anomaly

**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-1S         | 17-Mar-06        | N           | 35-45                    | <1                         | 1.3                       | <1            | <.5            | ND                | <.5              | <.1              | 3,050             | 1,930                 | 1,320                      | 198            | 2.98                        |
|               | 06-Apr-06        | N           |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 1,910             | 1,860                 | 779                        | 181            | 3.04                        |
|               | 04-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 05-May-06        | N           |                          | <1                         | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 06-May-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 5,560             | 2,960                 | 947                        | 90.1           | 6.66                        |
|               | 07-May-06        | N           |                          | <1                         | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 08-May-06        | N           |                          | <0.2                       | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <1                         | <1                        | <1            | 0.846          | ND                | <.5              | <.1              | 2,360             | 4,770                 | 1,070                      | 144            | 4.16                        |
|               | 10-May-06        | N           |                          | <0.2                       | ---                       | <1            | <2.5           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | <2.5           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 4.48                      | <1            | <1             | ND                | <1               | <.2              | 3,900             | 3,220                 | 800                        | 122            | 4.58                        |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 117,000           | 826                   | 790                        | 157            | 4.53                        |
|               | 01-Jun-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 89,600            | 2,570                 | 911                        | 126            | 5.11                        |
|               | 06-Jun-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 43,400            | 3,020                 | 857                        | 125            | 5.77                        |
|               | 18-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | 1.96           | ND                | <.5              | <.1              | 28,400            | 4,610                 | 679                        | 114            | 6.98                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | 2.26           | ND                | <.5              | <.1              | 42,300            | 5,870                 | 1,140                      | 79.7           | 9.38                        |
|               | 06-Sep-06        | N           |                          | 2.2                        | 42.3                      | <.5           | 0.627          | 0.239             | <.5              | <.1              | 6,460             | 34,300                | 1,560                      | 109            | 6.61                        |
|               | 04-Oct-06        | N           |                          | 6                          | <1                        | <.5           | 0.933          | 0.068             | <.5              | <.1              | 30,500            | 3,890                 | 951                        | 101            | 9.61                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | 1.61           | 0.395             | <.5              | <.1              | 33,600            | 16,600                | 2,250                      | 33.4           | 55                          |
|               | 05-Dec-06        | N           |                          | <0.2                       | <1                        | <2.5          | <2.5           | 0.262             | <2.5             | <.5              | 36,400            | 31,700                | 2,620                      | 7.19           | 67.9                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <2.5          | <2.5           | ND                | <2.5             | <.5              | 39,300            | 21,500                | 1,840                      | 45.9           | 12.2                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | 1.08           | ND                | <.5              | <.1              | 25,500            | 12,600                | 1,040                      | 149            | 7.97                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>1.38</b>               | <b>&lt;.5</b> | <b>0.685</b>   | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>12,400</b>     | <b>2,950</b>          | <b>457</b>                 | <b>198</b>     | <b>4</b>                    |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-1M         | 17-Mar-06        | N           | 60-70                    | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 1,330                      | 411            | 1.14                        |
|               | 06-Apr-06        | N           |                          | <1                         | 1                         | <1            | <.5            | ND                | <.5              | <.5              | 591               | 557                   | 1,350                      | 446            | 1.1                         |
|               | 04-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 06-May-06        | N           |                          | <40                        | <1                        | <1            | 258            | 0.452             | <.5              | <.1              | 554               | 535                   | 1,230                      | 397            | 27.9                        |
|               | 07-May-06        | N           |                          | <1                         | ---                       | <1            | 390            | 0.466             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 08-May-06        | N           |                          | <1                         | ---                       | <1            | 377            | 0.429             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <1                         | <1                        | <1            | 341            | 0.232             | <.5              | <.1              | 543               | 550                   | 2,430                      | 391            | 25.4                        |
|               | 10-May-06        | N           |                          | <1                         | ---                       | <1            | 296            | 0.458             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | 273            | 0.433             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | 245            | 0.423             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 3.69                      | <1            | 216            | 0.354             | <.5              | <.1              | 696               | 668                   | 4,390                      | 451            | 5.39                        |
|               | 24-May-06        | N           |                          | <1                         | 10.8                      | <1            | 96             | 0.16              | <.5              | <.5              | 673               | 6,900                 | 3,560                      | 425            | 2.02                        |
|               | 31-May-06        | N           |                          | <1 J/HD                    | 3.29                      | <1            | 48.9           | 0.101             | <.5              | <.5              | 7,360             | 577                   | 3,950                      | 430            | 2.4                         |
|               | 06-Jun-06        | N           |                          | <1                         | <1                        | <1            | 36.7           | 0.083             | <.5              | <.5              | 5,230             | 637                   | 3,450                      | 501            | 1.82                        |
|               | 18-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | 13.4           | 0.039             | <.5              | <.1              | 3,430             | 871                   | 2,810                      | 405            | 2.47                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | 5.36           | ND                | <.5              | <.1              | 5,280             | 744                   | 2,330                      | 452            | 3.92                        |
|               | 06-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | 2.55           | 0.162             | <.5              | <.1              | <500              | 579                   | 2,240                      | 481            | 2.29                        |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | 1.62           | ND                | <.5              | <.1              | 4,810             | 628                   | 1,820                      | 412            | 6.06                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | 0.82           | ND                | <.5              | <.1              | 1,470             | 682                   | 1,630                      | 390            | 12.1                        |
|               | 05-Dec-06        | N           |                          | <0.2                       | <1                        | <.5           | 0.663          | 0.24              | <.5              | <.1              | 1,350             | 824                   | 1,250                      | 389            | 13.7                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | 0.66           | 0.486             | <.5              | <.1              | 13,400            | <500                  | 1,240                      | 420            | 1.66                        |
|               | 03-Jan-07        | FD          |                          | <0.2                       | <1                        | <.5           | 0.661          | 0.051             | <.5              | <.1              | 12,300            | <500                  | 1,280                      | 418            | 1.67                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | 0.549          | 0.032             | <.5              | <.1              | 2,550             | 697                   | 1,180                      | 448            | 1.17                        |
|               | <b>06-Mar-07</b> | N           |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>0.535</b>   | <b>0.043</b>      | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>1,820</b>      | <b>&lt;500</b>        | <b>1,090</b>               | <b>412</b>     | <b>1.37</b>                 |

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PG&E Topock  
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| Location Name | Sample Date | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-1D         | 17-Mar-06   | N           | 95-105                   | 2,470                      | 2,270                     | <1            | 0.581          | ND                | 1.84             | <.5              | <500              | <500                  | 88.2                       | 943            | 1.07                        |
|               | 17-Mar-06   | FD          |                          | 2,460                      | 2,230                     | <1            | <.5            | ND                | 1.84             | <.5              | <500              | <500                  | 85.7                       | 941            | 1.18                        |
|               | 06-Apr-06   | N           |                          | 3,080                      | 2,770                     | 5.45          | <.5            | ND                | 2.27             | <.5              | <500              | <500                  | 51                         | 978            | 1.09                        |
|               | 06-Apr-06   | FD          |                          | 2,960                      | 2,690                     | 6.15          | <.5            | ND                | 2.26             | <.5              | <500              | <500                  | 54.8                       | 963            | 1.1                         |
|               | 06-May-06   | N           |                          | 4,140                      | 4,350                     | <1            | <.5            | ND                | 2.64             | <.1              | <500              | <500                  | 26.7                       | 930            | 1.24                        |
|               | 07-May-06   | N           |                          | 3,560                      | ---                       | 50.9          | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 08-May-06   | N           |                          | 3,190                      | ---                       | 252           | 1.26           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06   | N           |                          | 2,870                      | 2,780                     | 441           | 2.63           | 0.023             | 1.18             | <.2              | <500              | <500                  | 48.9                       | 846            | 37.5                        |
|               | 10-May-06   | N           |                          | 2,670                      | ---                       | 464           | 2.92           | 0.029             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06   | N           |                          | 2,660                      | ---                       | 528           | 2.87           | 0.016             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06   | N           |                          | 2,520                      | ---                       | 578           | 3.01           | 0.022             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06   | N           |                          | 2,380 J/HD                 | 2,390                     | 613           | 3              | 0.016             | <1               | <.2              | <500              | <500                  | 60.1                       | 529            | 58.4                        |
|               | 24-May-06   | N           |                          | 1,320                      | 1,330                     | 488           | 2.61           | 0.164             | <.5              | <.5              | <500              | <500                  | 507                        | 653            | 30.7                        |
|               | 31-May-06   | N           |                          | 970 J/HD                   | 896                       | 373           | 1.86           | ND                | <.5              | <.5              | <500              | <500                  | 992                        | 665            | 16                          |
|               | 05-Jun-06   | N           |                          | 931                        | 859                       | 371           | 1.71           | ND                | <.5              | <.5              | <500              | <500                  | 1,270                      | 730            | 10.1                        |
|               | 17-Jul-06   | N           |                          | 998                        | 1,000                     | 30.4          | 1.37           | ND                | 0.939            | 0.869            | <500              | <500                  | 1,160                      | 731            | 3.68                        |
|               | 08-Aug-06   | N           |                          | 1,100                      | 1,120                     | 9.79          | 0.597          | ND                | 1.15             | <.1              | <500              | <500                  | 1,030                      | 748            | 3.21                        |
|               | 14-Aug-06   | N           |                          | ---                        | ---                       | 16.7          | ---            | 703               | ---              | ---              | ---               | ---                   | ---                        | ---            | 52.7                        |
|               | 17-Aug-06   | N           |                          | ---                        | ---                       | <2.5          | ---            | 1,180             | ---              | ---              | ---               | ---                   | ---                        | ---            | 50                          |
|               | 21-Aug-06   | N           |                          | ---                        | ---                       | 5.79          | ---            | 1,420             | ---              | ---              | ---               | ---                   | ---                        | ---            | 36.2                        |
|               | 21-Aug-06   | FD          |                          | ---                        | ---                       | 14.5          | ---            | 1,440             | ---              | ---              | ---               | ---                   | ---                        | ---            | 36.3                        |
|               | 24-Aug-06   | N           |                          | ---                        | ---                       | 11.3          | ---            | 1,360             | ---              | ---              | ---               | ---                   | ---                        | ---            | 31.8                        |
|               | 24-Aug-06   | FD          |                          | ---                        | ---                       | 13.3          | ---            | 1,450             | ---              | ---              | ---               | ---                   | ---                        | ---            | 32.6                        |
|               | 29-Aug-06   | N           |                          | ---                        | ---                       | 8.58          | ---            | 1,210             | ---              | ---              | ---               | ---                   | ---                        | ---            | 16.3                        |
|               | 05-Sep-06   | N           |                          | 320                        | 363                       | 5.79          | <1             | 1,250             | <1               | 0.359            | <500              | <500                  | 2,790                      | 671            | 5.9                         |
|               | 12-Sep-06   | N           |                          | ---                        | ---                       | 333           | ---            | 845               | ---              | ---              | ---               | ---                   | ---                        | ---            | 46.3                        |
|               | 19-Sep-06   | N           |                          | ---                        | ---                       | 462           | ---            | 549               | ---              | ---              | ---               | ---                   | ---                        | ---            | 35.2                        |
|               | 19-Sep-06   | FD          |                          | ---                        | ---                       | 462           | ---            | 558               | ---              | ---              | ---               | ---                   | ---                        | ---            | 33.5                        |
|               | 28-Sep-06   | N           |                          | ---                        | ---                       | 447           | ---            | 251               | ---              | ---              | ---               | ---                   | ---                        | ---            | 16.4                        |
|               | 04-Oct-06   | N           |                          | 58.7                       | 117                       | 454           | 0.539          | 136               | <.5              | <.1              | <500              | <500                  | 5,790                      | 480            | 10.3                        |
|               | 17-Oct-06   | N           |                          | ---                        | ---                       | 303           | ---            | 84.3              | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.91                        |
|               | 31-Oct-06   | N           |                          | ---                        | ---                       | 170           | ---            | 40.6              | ---              | ---              | ---               | ---                   | ---                        | ---            | 9.23                        |



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Needles, California

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| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-1D (cont)  | 08-Nov-06        | N           |                          | <0.2                       | 60.6                      | 144           | <5             | 1,300             | <5               | <1               | <500              | <500                  | 5,390                      | 365            | 150                         |
|               | 14-Nov-06        | N           |                          | ---                        | ---                       | <2.5          | ---            | 0.546             | ---              | ---              | ---               | ---                   | ---                        | ---            | 49.9                        |
|               | 21-Nov-06        | N           |                          | ---                        | ---                       | <0.50         | ---            | 0.492             | ---              | ---              | ---               | ---                   | ---                        | ---            | 31.2                        |
|               | 28-Nov-06        | N           |                          | ---                        | ---                       | 59            | ---            | 958               | ---              | ---              | ---               | ---                   | ---                        | ---            | 41.9                        |
|               | 05-Dec-06        | N           |                          | <0.2                       | 28.5                      | 52            | <2.5           | 1,460             | <2.5             | <5               | <500              | <500                  | 4,440                      | 355            | 49.3                        |
|               | 18-Dec-06        | N           |                          | ---                        | ---                       | 31.4          | ---            | 514               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.29                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | 12.1                      | 22            | <1             | 260               | <1               | <2               | 1,470             | <500                  | 8,120                      | 567            | 1.55                        |
|               | 15-Jan-07        | N           |                          | ---                        | ---                       | 13.9          | ---            | 169               | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.36                        |
|               | 29-Jan-07        | N           |                          | ---                        | ---                       | 9.87          | ---            | 104               | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.56                        |
|               | 07-Feb-07        | N           |                          | 2.6                        | 25.5                      | 8.96          | <5             | 70.3              | <5               | <1               | <500              | <500                  | 10,000                     | 689            | 1.1                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>3.17</b>               | <b>3.65</b>   | <b>0.624</b>   | <b>32.6</b>       | <b>&lt;5</b>     | <b>&lt;1</b>     | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>10,600</b>              | <b>678</b>     | <b>1.2</b>                  |
| PT-2S         | 17-Mar-06        | N           | 35-45                    | <1                         | <1                        | <1            | 0.563          | ND                | <5               | <1               | 34,300            | 976                   | 1,170                      | 11.7           | 7.42                        |
|               | 06-Apr-06        | N           |                          | <0.2                       | <1                        | <1            | <5             | ND                | <5               | <5               | 30,200            | 1,850                 | 1,240                      | 8.91           | 8.57                        |
|               | 24-May-06        | N           |                          | <1                         | <1                        | <1            | <5             | ND                | <5               | <5               | 164,000           | <500                  | 1,160                      | 3.02           | 11                          |
|               | 01-Jun-06        | N           |                          | <1                         | <1                        | <1            | <5             | ND                | <5               | <1               | 91,900            | 934                   | 1,300                      | 3.06           | 9.65                        |
|               | 07-Jun-06        | N           |                          | <1                         | <1                        | <1            | <5             | ND                | <5               | <5               | 42,300            | 950                   | 1,280                      | 2.77           | 10.8                        |
|               | 18-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | 1.47           | ND                | <5               | <1               | 38,300            | 2,690                 | 1,330                      | 6.83           | 12.1                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | 1.14                      | <5            | 1.63           | ND                | <5               | <1               | 61,300            | 1,400                 | 1,430                      | 54.1           | 10.7                        |
|               | 06-Sep-06        | N           |                          | 0.26                       | <1                        | <5            | 0.805          | ND                | <5               | <1               | 48,400            | 889                   | 1,460                      | 30.4           | 10.6                        |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <5            | 1.02           | ND                | <5               | <1               | 25,600            | 1,750                 | 1,400                      | 12.8           | 13                          |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <5            | 1.21           | ND                | <5               | <1               | 10,600            | 1,470                 | 1,770                      | 56             | 63.6                        |
|               | 05-Dec-06        | N           |                          | 0.5                        | 7.62                      | <5            | 0.689          | 0.086             | <5               | <1               | 1,500             | <500                  | 226                        | 328            | 3.88                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <1            | 1.31           | ND                | <1               | <2               | 5,420             | 1,310                 | 1,380                      | 24.7           | 11                          |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <5            | 1.1            | ND                | <5               | <1               | 10,800            | 1,490                 | 1,430                      | 5.19           | 11.1                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>0.57</b>   | <b>1.15</b>    | <b>ND</b>         | <b>&lt;5</b>     | <b>&lt;1</b>     | <b>10,800</b>     | <b>1,400</b>          | <b>1,410</b>               | <b>3.42</b>    | <b>12.8</b>                 |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-2M         | 17-Mar-06        | N           | 60-70                    | <1                         | 8.19                      | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 547                        | 474            | <1                          |
|               | 06-Apr-06        | N           |                          | <0.2                       | 7.58                      | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 380                        | 471            | <1                          |
|               | 24-May-06        | N           |                          | <1                         | <1                        | <1            | 40             | 0.114             | <.5              | <.5              | 20,000            | <500                  | 431                        | 423            | 1.76                        |
|               | 31-May-06        | N           |                          | <1                         | <1                        | <1            | 12.1           | 0.033             | <.5              | <.5              | 3,430             | <500                  | 363                        | 438            | 2.21                        |
|               | 31-May-06        | FD          |                          | <HD/J                      | <1                        | <1            | 12             | 0.038             | <.5              | <.5              | 4,150             | <500                  | 371                        | 429            | 2.28                        |
|               | 07-Jun-06        | N           |                          | <1                         | <1                        | <1            | 5.29           | 0.024             | <.5              | <.5              | 1,220             | <500                  | 353                        | 487            | 1.85                        |
|               | 18-Jul-06        | N           |                          | <0.2                       | 1.06                      | <1            | 0.988          | 5.65              | <.5              | <.1              | 1,990             | <500                  | 228                        | 377            | 3.1                         |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | 0.638          | ND                | <.5              | <.1              | 1,040             | <500                  | 233                        | 412            | 9.06                        |
|               | 06-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 811               | <500                  | 228                        | 415            | 2.41                        |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 958               | <500                  | 203                        | 374            | 7.88                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | 2.79                      | 6.89          | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 212                        | 354            | 23.1                        |
|               | 05-Dec-06        | N           |                          | 0.66                       | 8.58                      | <.5           | 0.644          | 0.167             | <.5              | <.1              | 1,120             | <500                  | 211                        | 351            | 14                          |
|               | 03-Jan-07        | N           |                          | 3.4                        | 74.4                      | <.5           | 0.611          | 0.269             | <.5              | <.1              | 757               | <500                  | 1,570                      | 366            | 1.64                        |
|               | 07-Feb-07        | N           |                          | 0.35                       | 6.66                      | <.5           | 0.519          | ND                | <.5              | <.1              | <500              | <500                  | 339                        | 401            | 1.58                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>166</b>                 | <b>432</b>     | <b>1.47</b>                 |
| PT-2D         | 17-Mar-06        | N           | 95-105                   | 1,660                      | 1,580                     | <1            | <.5            | ND                | 1.23             | <.5              | <500              | <500                  | 154                        | 931            | 1.09                        |
|               | 17-Mar-06        | FD          |                          | 1,670                      | 1,570                     | <1            | <.5            | ND                | 1.26             | <.5              | <500              | <500                  | 161                        | 924            | 1.24                        |
|               | 06-Apr-06        | N           |                          | 2,310                      | 2,160                     | 4.44          | <.5            | ND                | 1.68             | <.5              | <500              | <500                  | 79.7                       | 924            | 1.02                        |
|               | 06-Apr-06        | FD          |                          | 2,290                      | 2,170                     | 4.1           | <.5            | ND                | 1.84             | <.5              | <500              | <500                  | 78.3                       | 946            | <1                          |
|               | 24-May-06        | N           |                          | 1,800                      | 1,760                     | 374           | 2.11           | ND                | <.5              | <.5              | 507               | <500                  | 173                        | 691            | 26.9                        |
|               | 31-May-06        | N           |                          | 1,180                      | 1,170                     | 388           | 1.85           | ND                | <.5              | <.5              | 1,400             | <500                  | 320                        | 689            | 17.6                        |
|               | 07-Jun-06        | N           |                          | 951                        | 930                       | 390           | 1.99           | ND                | <.5              | <.5              | <500              | <500                  | 423                        | 724            | 14.4                        |
|               | 17-Jul-06        | N           |                          | 466                        | 438                       | 110           | 1.76           | ND                | <.5              | 0.885            | <500              | <500                  | 622                        | 745            | 3.98                        |
|               | 07-Aug-06        | N           |                          | 568                        | 495                       | 34            | 0.687          | ND                | 0.607            | <.1              | 4,350             | <500                  | 597                        | 953            | 7.94                        |
|               | 14-Aug-06        | N           |                          | ---                        | ---                       | 27.1          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.23                        |
|               | 14-Aug-06        | FD          |                          | ---                        | ---                       | 28.9          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.8                         |
|               | 17-Aug-06        | N           |                          | ---                        | ---                       | 24.3          | ---            | 47                | ---              | ---              | ---               | ---                   | ---                        | ---            | 5.1                         |
|               | 17-Aug-06        | FD          |                          | ---                        | ---                       | 23.6          | ---            | 49.5              | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.34                        |
|               | 21-Aug-06        | N           |                          | ---                        | ---                       | 17.3          | ---            | 405               | ---              | ---              | ---               | ---                   | ---                        | ---            | 16.2                        |
|               | 24-Aug-06        | N           |                          | ---                        | ---                       | 16.8          | ---            | 636               | ---              | ---              | ---               | ---                   | ---                        | ---            | 21.8                        |
|               | 29-Aug-06        | N           |                          | ---                        | ---                       | 14.7          | ---            | 792               | ---              | ---              | ---               | ---                   | ---                        | ---            | 12.6                        |
|               | 06-Sep-06        | N           |                          | 432                        | 512                       | 10.2          | <1             | 905               | <1               | <.2              | <500              | <500                  | 1,270                      | 699            | 4.54                        |

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|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-2D (cont)  | 12-Sep-06        | N           |                          | ---                        | ---                       | 18.1          | ---            | 954               | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.24                        |
|               | 19-Sep-06        | N           |                          | ---                        | ---                       | 120           | ---            | 1,050             | ---              | ---              | ---               | ---                   | ---                        | ---            | 10.3                        |
|               | 28-Sep-06        | N           |                          | ---                        | ---                       | 229           | ---            | 610               | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.92                        |
|               | 04-Oct-06        | N           |                          | 292                        | 234                       | 303           | <2.5           | 307               | <2.5             | <.5              | 3,090             | <500                  | 1,420                      | 455            | 4                           |
|               | 17-Oct-06        | N           |                          | ---                        | ---                       | 394           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.26                        |
|               | 31-Oct-06        | N           |                          | ---                        | ---                       | 367           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.51                        |
|               | 31-Oct-06        | FD          |                          | ---                        | ---                       | 366           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 10.1                        |
|               | 08-Nov-06        | N           |                          | 281                        | 229                       | 299           | <2.5           | ND                | <2.5             | <.5              | <500              | <500                  | 1,710                      | 508            | 24.3                        |
|               | 14-Nov-06        | N           |                          | ---                        | ---                       | 251           | ---            | 106               | ---              | ---              | ---               | ---                   | ---                        | ---            | 31.7                        |
|               | 21-Nov-06        | N           |                          | ---                        | ---                       | 218           | ---            | 163               | ---              | ---              | ---               | ---                   | ---                        | ---            | 22.4                        |
|               | 28-Nov-06        | N           |                          | ---                        | ---                       | 153           | ---            | 507               | ---              | ---              | ---               | ---                   | ---                        | ---            | 16.2                        |
|               | 05-Dec-06        | N           |                          | 186                        | 183                       | 46.7          | <2.5           | 258               | <2.5             | <.5              | <500              | <500                  | 1,380                      | 292            | 15                          |
|               | 18-Dec-06        | N           |                          | ---                        | ---                       | 65.3          | ---            | 332               | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.59                        |
|               | 03-Jan-07        | N           |                          | 171                        | 167                       | 31.9          | 0.722          | 258               | <.5              | <.1              | <500              | <500                  | 3,380                      | 490            | 1.57                        |
|               | 15-Jan-07        | N           |                          | ---                        | ---                       | 19.3          | ---            | 260               | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.48                        |
|               | 29-Jan-07        | N           |                          | ---                        | ---                       | 9.45          | ---            | 162               | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.35                        |
|               | 07-Feb-07        | N           |                          | 146                        | 112                       | 7.36          | 0.736          | 86.5              | <.5              | <.1              | <500              | <500                  | 4,780                      | 661            | 1.28                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>91.8</b>                | <b>86.7</b>               | <b>1.41</b>   | <b>0.683</b>   | <b>21.4</b>       | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>5,150</b>               | <b>787</b>     | <b>&lt;1</b>                |

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|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-3S         | 16-Mar-06        | N           | 35-45                    | <1                         | 40.3                      | <1            | <.5            | ND                | <.5              | <.1              | 6,370             | 4,860                 | 1,160                      | 217            | 4.27                        |
|               | 03-Apr-06        | N           |                          | <1                         | 1.48                      | <1            | <.5            | ND                | <.5              | <.5              | 5,510             | 4,990                 | 988                        | 221            | 4.66                        |
|               | 04-May-06        | N           |                          | <0.2 J/HD                  | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 05-May-06        | N           |                          | <0.2                       | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 06-May-06        | N           |                          | <1                         | 1.46                      | <1            | <.5            | ND                | <.5              | <.1              | 7,370             | 5,660                 | 968                        | 80.2           | 5.05                        |
|               | 06-May-06        | FD          |                          | <1                         | 1.01                      | <1            | <.5            | ND                | <.5              | <.1              | 6,500             | 5,820                 | 950                        | 80.4           | 5.26                        |
|               | 07-May-06        | N           |                          | <0.2                       | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <0.2 J/HD                  | 1.54                      | <1            | <1             | 9.61              | <1               | <.2              | 7,850             | 6,280                 | 973                        | 112            | 5.83                        |
|               | 10-May-06        | N           |                          | <1                         | ---                       | <1            | 19             | 34.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | 1.07           | 5.49              | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <0.2                       | ---                       | <1            | 64.6           | 42.3              | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 2.38                      | <1            | 93.7           | 56                | <1               | <.2              | 6,710             | 5,890                 | 872                        | 112            | 14.6                        |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | 68.1           | 1,060             | <1               | <.5              | 130,000           | 1,750                 | 830                        | 30.5           | 49.9                        |
|               | 30-May-06        | N           |                          | <1                         | 1.36                      | <1            | 470            | 1,510             | <2.5             | <.5              | 27,600            | 695                   | 762                        | 24.4           | 93.5                        |
|               | 06-Jun-06        | N           |                          | <1 J/HD                    | <1                        | <1            | 749            | 1,220             | <2.5             | <.5              | 21,900            | 3,220                 | 750                        | 23.2           | 119                         |
|               | 19-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | 212            | 751               | <.5              | <.5              | 23,400            | 4,680                 | 652                        | 12.9           | 16.4                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | 75.6           | 578               | <.5              | <.1              | 38,500            | 3,000                 | 749                        | 16.3           | 6.28                        |
|               | 06-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | 35.2           | 344               | <.5              | <.1              | 12,900            | 3,700                 | 883                        | 34.2           | 6.66                        |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <2.5          | 25.1           | 206               | <2.5             | <.5              | 12,600            | 4,310                 | 886                        | 36.9           | 10.7                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | 16.6           | 53.1              | <.5              | <.1              | 13,100            | 3,720                 | 914                        | 36.9           | 33.9                        |
|               | 05-Dec-06        | N           |                          | <0.2                       | <1                        | <.5           | 15             | 60.8              | <.5              | <.1              | 6,120             | 4,470                 | 836                        | 32.3           | 28.2                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <1            | 13.3           | 45.7              | <1               | <.2              | 7,700             | 4,870                 | 798                        | 25.8           | 6.45                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | 11.2           | 46.2              | <.5              | <.1              | 7,340             | 3,580                 | 797                        | 26.9           | 6.82                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>9.4</b>     | <b>18.2</b>       | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>9,340</b>      | <b>3,770</b>          | <b>727</b>                 | <b>26.4</b>    | <b>6.78</b>                 |
|               | <b>07-Mar-07</b> | <b>FD</b>   |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>9.26</b>    | <b>18.7</b>       | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>7,000</b>      | <b>5,820</b>          | <b>768</b>                 | <b>29.4</b>    | <b>6.82</b>                 |

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|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-3M         | 18-Mar-06        | N           | 60-70                    | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 1,670                      | 571            | 1.33                        |
|               | 07-Apr-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 2,020                      | 672            | 1.01                        |
|               | 04-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 05-May-06        | N           |                          | <1                         | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 06-May-06        | N           |                          | <1 J/HD                    | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 508               | <500                  | 1,720                      | 597            | 1.11                        |
|               | 07-May-06        | N           |                          | <1                         | ---                       | <1            | 2.32           | 0.025             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <0.2 J/HD                  | <1                        | <1            | 28.8           | 0.075             | <.5              | <.1              | 518               | <500                  | 1,350                      | 559            | 2.94                        |
|               | 10-May-06        | N           |                          | <1                         | ---                       | <1            | 60.2           | 0.148             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | 75.8           | 0.2               | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | 87.1           | 0.223             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 2.46                      | <1            | 72.9           | 0.135             | <.5              | <.1              | 620               | 597                   | 1,250                      | 530            | 3.22                        |
|               | 13-May-06        | FD          |                          | <0.2                       | 9.68                      | <1            | 73.3           | 0.18              | <.5              | <.1              | 620               | 589                   | 1,270                      | 517            | 3.89                        |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | 27.4           | 0.104             | <.5              | <.5              | 12,000            | <500                  | 1,550                      | 573            | 1.59                        |
|               | 30-May-06        | N           |                          | <1                         | 3.09                      | <1            | 9.74           | 0.043             | <.5              | <.5              | 33,100            | <500                  | 1,260                      | 533            | 1.94                        |
|               | 06-Jun-06        | N           |                          | <1                         | <1                        | <1            | 4.86           | 0.031             | <.5              | <.5              | 5,140             | <500                  | 1,100                      | 583            | 1.77                        |
|               | 06-Jun-06        | FD          |                          | <1                         | 1.61                      | <1            | 4.5            | 0.034             | <.5              | <.5              | 24,400            | <500                  | 1,130                      | 575            | 2.41                        |
|               | 19-Jul-06        | N           |                          | <1 J/HD                    | <1                        | <1            | 1.21           | ND                | <.5              | <.5              | 14,500            | 588                   | 936                        | 544            | 4.05                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 11,800            | <500                  | 888                        | 514            | 2.39                        |
|               | 06-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 4,070             | <500                  | 821                        | 590            | 2.2                         |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 3,570             | <500                  | 732                        | 479            | 1.84                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | 1.57                      | <.5           | 15.2           | 78.5              | <.5              | <.1              | 6,980             | 4,230                 | 872                        | 82             | 33.1                        |
|               | 05-Dec-06        | N           |                          | 5.5                        | 7.24                      | 3.44          | 0.712          | 13                | 1.67             | <.1              | 1,070             | <500                  | 677                        | 627            | 9.96                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 13,400            | <500                  | 582                        | 481            | 1.32                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 3,030             | <500                  | 506                        | 496            | 1.18                        |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>2,860</b>      | <b>&lt;500</b>        | <b>432</b>                 | <b>455</b>     | <b>1.41</b>                 |

**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-3D         | 18-Mar-06   | N           | 95-105                   | 4,390                      | 4,370                     | <1            | <.5            | ND                | 3.33             | <.5              | <500              | <500                  | 16.7                       | 984            | <1                          |
|               | 05-Apr-06   | N           |                          | 4,440                      | 4,680                     | 8.87          | <.5            | ND                | 3.28             | <.5              | <500              | <500                  | 10.2                       | 966            | <1                          |
|               | 05-May-06   | N           |                          | 3,980                      | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 06-May-06   | N           |                          | 3,090 J/HD                 | 3,420                     | 666           | 2.93           | 0.031             | 1.73             | <.1              | <500              | <500                  | 28.4                       | 699            | 80.3                        |
|               | 07-May-06   | N           |                          | 4,140                      | ---                       | 515           | 3.15           | 0.023             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06   | N           |                          | 3,900 J/HD                 | 3,920                     | 268           | 2.1            | 0.02              | 2.02             | <.2              | <500              | <500                  | 42                         | 853            | 36                          |
|               | 10-May-06   | N           |                          | 3,680                      | ---                       | 199           | <2.5           | 0.013             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06   | N           |                          | 3,700                      | ---                       | 159           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06   | N           |                          | 1,940                      | ---                       | 127           | <2.5           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06   | N           |                          | 3,550 J/HD                 | 3,630                     | 96.8          | 3.07           | 0.151             | 2.1              | <.2              | <500              | <500                  | 309                        | 909            | 9.41                        |
|               | 23-May-06   | N           |                          | 4,380                      | 3,940                     | 21.7          | <.5            | ND                | 2.73             | <.5              | 671               | <500                  | 113                        | 854            | 2.39                        |
|               | 30-May-06   | N           |                          | 3,880                      | 4,030                     | <1            | <1             | ND                | 2.82             | <.5              | <500              | <500                  | 83.8                       | 843            | 2.23                        |
|               | 06-Jun-06   | N           |                          | 3,730                      | 3,770                     | 2.92          | <.5            | ND                | 2.82             | <.5              | 1,630             | <500                  | 67.5                       | 985            | 1.31                        |
|               | 17-Jul-06   | N           |                          | 3,830                      | 3,920                     | 1.15          | 0.893          | ND                | 2.92             | 0.722            | <500              | <500                  | 22.4                       | 690            | 3.31                        |
|               | 17-Jul-06   | FD          |                          | 3,730                      | 3,820                     | <1            | 1.13           | ND                | 2.93             | 0.723            | <500              | <500                  | 22.2                       | 885            | 3.14                        |
|               | 08-Aug-06   | N           |                          | 3,260                      | 4,180                     | 8.34          | 0.861          | 0.123             | 3.28             | <.1              | 6,760             | <500                  | 27.7                       | 875            | 2.99                        |
|               | 14-Aug-06   | N           |                          | ---                        | ---                       | 8.97          | ---            | 1,190             | ---              | ---              | ---               | ---                   | ---                        | ---            | 58                          |
|               | 17-Aug-06   | N           |                          | ---                        | ---                       | 9.65          | ---            | 387               | ---              | ---              | ---               | ---                   | ---                        | ---            | 10.5                        |
|               | 21-Aug-06   | N           |                          | ---                        | ---                       | 8.24          | ---            | 209               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.86                        |
|               | 24-Aug-06   | N           |                          | ---                        | ---                       | 7.09          | ---            | 181               | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.53                        |
|               | 29-Aug-06   | N           |                          | ---                        | ---                       | 7.51          | ---            | 114               | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.25                        |
|               | 29-Aug-06   | FD          |                          | ---                        | ---                       | 7.5           | ---            | 108               | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.35                        |
|               | 05-Sep-06   | N           |                          | 2,930                      | 2,940                     | 8.37          | <10            | 49.9              | <10              | <2               | <500              | <500                  | 1,660                      | 801            | 2.33                        |
|               | 12-Sep-06   | N           |                          | ---                        | ---                       | 270           | ---            | 40.9              | ---              | ---              | ---               | ---                   | ---                        | ---            | 32.8                        |
|               | 12-Sep-06   | FD          |                          | ---                        | ---                       | 265           | ---            | 45.5              | ---              | ---              | ---               | ---                   | ---                        | ---            | 31.3                        |
|               | 19-Sep-06   | N           |                          | ---                        | ---                       | 60.8          | ---            | 18.6              | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.91                        |
|               | 28-Sep-06   | N           |                          | ---                        | ---                       | 25.3          | ---            | 7.85              | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.16                        |
|               | 04-Oct-06   | N           |                          | 3,100                      | 2,960                     | 25.5          | <1             | 7.04              | 2.65             | <.2              | <500              | <500                  | 2,630                      | 741            | 7.61                        |
|               | 17-Oct-06   | N           |                          | ---                        | ---                       | 4.16          | ---            | 2.09              | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.08                        |
|               | 17-Oct-06   | FD          |                          | ---                        | ---                       | 4.89          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.91                        |
|               | 31-Oct-06   | N           |                          | ---                        | ---                       | 7.27          | ---            | 0.597             | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.65                        |
|               | 08-Nov-06   | N           |                          | 2,430                      | 2,330                     | <5            | <5             | 423               | <5               | <1               | <500              | <500                  | 3,940                      | 694            | 43.9                        |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-3D (cont)  | 14-Nov-06        | N           |                          | ---                        | ---                       | 187           | ---            | 108               | ---              | ---              | ---               | ---                   | ---                        | ---            | 16.7                        |
|               | 21-Nov-06        | N           |                          | ---                        | ---                       | 10            | ---            | 88.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.15                        |
|               | 28-Nov-06        | N           |                          | ---                        | ---                       | 10            | ---            | 62                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.5                         |
|               | 05-Dec-06        | N           |                          | 5,240                      | 4,800                     | 8.25          | <1             | ND                | 2.44             | <.2              | <500              | <500                  | 767                        | 756            | 2.46                        |
|               | 18-Dec-06        | N           |                          | ---                        | ---                       | 7.1           | ---            | 22.7              | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|               | 03-Jan-07        | N           |                          | 3,190                      | 3,160                     | 7.77          | 0.829          | 13.3              | 2.94             | <.1              | <500              | <500                  | 2,340                      | 799            | 1.05                        |
|               | 15-Jan-07        | N           |                          | ---                        | ---                       | 7.03          | ---            | 6.28              | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|               | 29-Jan-07        | N           |                          | ---                        | ---                       | 2.89          | ---            | 3.86              | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|               | 07-Feb-07        | N           |                          | 3,030                      | 3,030                     | 8.4           | 0.793          | 4.23              | 3.29             | <.1              | <500              | <500                  | 1,820                      | 849            | <1                          |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>3,160</b>               | <b>2,930</b>              | <b>7.95</b>   | <b>0.685</b>   | <b>0.99</b>       | <b>3.12</b>      | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>1,320</b>               | <b>798</b>     | <b>&lt;1</b>                |
| PT-4S         | 15-Mar-06        | N           | 35-45                    | <1                         | 3.83                      | 0.714 J       | <.5            | ND                | <.5              | <.1              | 4,060             | 713                   | 919                        | 474            | 1.69                        |
|               | 06-Apr-06        | N           |                          | <1                         | 5.84                      | <1            | <.5            | ND                | <.5              | <.5              | 2,510             | 1,350                 | 707                        | 450            | 1.69                        |
|               | 04-May-06        | N           |                          | <1                         | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 05-May-06        | N           |                          | <1                         | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <0.2 J/HD                  | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 10,800            | 1,490                 | 657                        | 472            | 2.4                         |
|               | 10-May-06        | N           |                          | <40                        | ---                       | <1            | <2.5           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <1                         | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 3.18                      | <1            | <1             | ND                | <1               | <.2              | 2,320             | 1,940                 | 673                        | 415            | 2.02                        |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 18,600            | <500                  | 683                        | 436            | 2.29                        |
|               | 30-May-06        | N           |                          | <1                         | 1.15                      | <1            | <.5            | ND                | <.5              | <.5              | 20,000            | <500                  | 650                        | 426            | 2.72                        |
|               | 06-Jun-06        | N           |                          | <1 J/HD                    | <1                        | <1            | <.5            | 0.073             | <.5              | <.5              | 8,530             | 1,340                 | 610                        | 492            | 2.56                        |
|               | 19-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 4,710             | 1,670                 | 545                        | 445            | 4.86                        |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | 0.165             | <.5              | <.1              | 4,270             | 1,710                 | 617                        | 431            | 4.21                        |
|               | 06-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 4,440             | 1,260                 | 614                        | 499            | 3.46                        |
|               | 06-Sep-06        | FD          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 3,780             | 1,360                 | 634                        | 461            | 3.16                        |
|               | 04-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 4,050             | 1,600                 | 576                        | 401            | 5.38                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 3,460             | 1,530                 | 616                        | 405            | 17.2                        |
|               | 05-Dec-06        | N           |                          | <0.2                       | 1.21                      | <.5           | <.5            | ND                | <.5              | <.1              | 4,470             | 2,100                 | 562                        | 347            | 15.3                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | 1.29                      | <.5           | <.5            | ND                | <.5              | <.1              | 6,190             | 1,330                 | 492                        | 396            | 2.57                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | 1.3                       | <.5           | 0.512          | ND                | <.5              | <.1              | 4,150             | 1,640                 | 483                        | 431            | 2.46                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>2,560</b>      | <b>1,040</b>          | <b>397</b>                 | <b>442</b>     | <b>2.46</b>                 |

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| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-4M         | 15-Mar-06        | N           | 60-70                    | <1                         | <1                        | 0.75 J        | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 966                        | 609            | <1                          |
|               | 07-Apr-06        | N           |                          | <1                         | 1.63                      | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 766                        | 722            | 1.05                        |
|               | 04-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 08-May-06        | N           |                          | <1                         | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | <0.21 J/HD                 | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 723               | 700                   | 686                        | 504            | 1.12                        |
|               | 10-May-06        | N           |                          | <1                         | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | <1                         | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 2.05                      | <1            | <.5            | ND                | <.5              | <.1              | 988               | 899                   | 612                        | 529            | 1.22                        |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 3,700             | <500                  | 613                        | 565            | 1.58                        |
|               | 30-May-06        | N           |                          | <1                         | 229                       | <1            | <.5            | ND                | <.5              | <.5              | 929               | <500                  | 492                        | 534            | 2.05                        |
|               | 06-Jun-06        | N           |                          | <1 J/HD                    | 2.24                      | <1            | <.5            | ND                | <.5              | <.5              | 1,330             | <500                  | 523                        | 570            | 1.31                        |
|               | 19-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 1,270             | 892                   | 492                        | 518            | 5.5                         |
|               | 08-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 1,960             | 724                   | 535                        | 528            | 3.22                        |
|               | 06-Sep-06        | N           |                          | 0.29                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 4,780             | 526                   | 565                        | 565            | 2.22                        |
|               | 04-Oct-06        | N           |                          | <0.20                      | 1.73                      | <.5           | <.5            | ND                | <.5              | <.1              | 5,070             | <500                  | 569                        | 496            | 2.38                        |
|               | 08-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 2,150             | <500                  | 470                        | 464            | 14.4                        |
|               | 05-Dec-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 2,130             | 775                   | 466                        | 445            | 9.54                        |
|               | 03-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 5,940             | 842                   | 402                        | 465            | 1.46                        |
|               | 07-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 456                        | 502            | 1.19                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>809</b>        | <b>1,080</b>          | <b>397</b>                 | <b>495</b>     | <b>1.4</b>                  |



**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-4D         | 15-Mar-06        | N           | 95-105                   | 5,670                      | 5,510                     | <1            | 1.32           | ND                | 4.28             | <.5              | <500              | <500                  | 8.27                       | 1,080          | <1                          |
|               | 05-Apr-06        | N           |                          | 5,960                      | 5,480                     | 12.9          | <.5            | ND                | 4.7              | <.5              | <500              | <500                  | <5                         | 1,110          | 1.05                        |
|               | 08-May-06        | N           |                          | 5,870                      | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 09-May-06        | N           |                          | 5,900 J/HD                 | 5,900                     | <1            | <2.5           | ND                | 4.6              | <.5              | <500              | <500                  | <5                         | 1,110          | 1.16                        |
|               | 10-May-06        | N           |                          | 5,830                      | ---                       | <1            | <2.5           | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 11-May-06        | N           |                          | 5,790                      | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 12-May-06        | N           |                          | 5,810                      | ---                       | <1            | <1             | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 13-May-06        | N           |                          | 5,710 J/HD                 | 5,900                     | <1            | <1             | ND                | 4.36             | <.2              | <500              | <500                  | <5                         | 1,050          | 1.21                        |
|               | 23-May-06        | N           |                          | 5,750                      | 5,880                     | <1            | <.5            | ND                | 4.91             | <.5              | <500              | <500                  | <5                         | 1,010          | 1.6                         |
|               | 23-May-06        | FD          |                          | ---                        | 5,970                     | <1            | <.5            | ND                | 4.89             | <.5              | <500              | <500                  | <5                         | 1,010          | 1.87                        |
|               | 30-May-06        | N           |                          | 5,730                      | 5,740                     | <1            | <1             | ND                | 4.75             | <.5              | 2,390             | <500                  | 21                         | 989            | 2.32                        |
|               | 06-Jun-06        | N           |                          | 5,800 J/HD                 | 5,560                     | <1            | <.5            | 0.078             | 4.7              | <.5              | <500              | <500                  | <5                         | 1,130          | 1.44                        |
|               | 19-Jul-06        | N           |                          | 5,360                      | 5,830                     | <1            | 0.989          | ND                | 4.5              | <.5              | <500              | <500                  | <5                         | 957            | 7.78                        |
|               | 08-Aug-06        | N           |                          | 5,080                      | 5,800                     | 10.1          | 0.914          | 0.024             | 4.31             | <.1              | <500              | <500                  | 13.2                       | 989            | 2.99                        |
|               | 06-Sep-06        | N           |                          | 5,750                      | 5,720                     | 3.57          | 0.647          | ND                | 4.76             | <.2              | <500              | <500                  | <5                         | 1,030          | 2.18                        |
|               | 04-Oct-06        | N           |                          | 5,800                      | 5,710                     | 13            | <2.5           | ND                | 4.62             | <.5              | <500              | <500                  | 11.9                       | 882            | 1.76                        |
|               | 04-Oct-06        | FD          |                          | 5,530                      | 6,000                     | 13.3          | <2.5           | ND                | 4.78             | <.5              | <500              | <500                  | 15.2                       | 869            | 8.18                        |
|               | 08-Nov-06        | N           |                          | 5,680                      | 5,440                     | 13.6          | <2.5           | ND                | 4.68             | <.5              | <500              | <500                  | <5                         | 869            | 8.3                         |
|               | 05-Dec-06        | N           |                          | 6,130                      | 5,560                     | 13.5          | <2.5           | ND                | 4.85             | <.5              | <500              | <500                  | <5                         | 875            | 2.03                        |
|               | 03-Jan-07        | N           |                          | 5,360                      | 5,320                     | 13.4          | <2.5           | ND                | 4.54             | <.5              | 3,060             | <500                  | <5                         | 916            | 1.02                        |
|               | 07-Feb-07        | N           |                          | 5,170                      | 5,090                     | 13.1          | 0.876          | ND                | 4.99             | <.1              | 9,350             | <500                  | <5                         | 950            | 1.04                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>5,050</b>               | <b>4,630</b>              | <b>12.4</b>   | <b>0.563</b>   | <b>ND</b>         | <b>4.79</b>      | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>9.76</b>                | <b>977</b>     | <b>&lt;1</b>                |

**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-5S         | 16-Mar-06        | N           | 35-45                    | <1                         | 2.71                      | <1            | <.5            | ND                | <.5              | <.1              | 949               | 971                   | 2,440                      | 401            | 3.2                         |
|               | 07-Apr-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 995               | 1,030                 | 1,850                      | 490            | 2.76                        |
|               | 01-Jun-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 4,250             | 1,870                 | 1,530                      | 372            | 4.14                        |
|               | 19-Jul-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 3,530             | 2,470                 | 1,400                      | 351            | 12.7                        |
|               | 09-Aug-06        | N           |                          | <0.2                       | <1                        | <.5           | 2.26           | ND                | <.5              | <.1              | 3,220             | 2,410                 | 1,350                      | 375            | 8.3                         |
|               | 08-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | 0.586          | ND                | <.5              | 3.7              | 4,070             | 2,840                 | 1,410                      | 340            | 6.95                        |
|               | 05-Oct-06        | N           |                          | <0.2                       | 1.05                      | <.5           | 0.938          | ND                | <.5              | <.1              | 3,410             | 2,680                 | 1,280                      | 316            | 8.13                        |
|               | 09-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | 0.717          | ND                | <.5              | <.1              | 3,480             | 2,710                 | 1,190                      | 315            | 14.3                        |
|               | 06-Dec-06        | N           |                          | <0.2                       | 32.7                      | <.5           | 1.04           | ND                | <.5              | <.1              | 4,250             | 3,250                 | 1,280                      | 307            | 40.7                        |
|               | 06-Dec-06        | FD          |                          | <0.2                       | <1.0                      | <10           | 1.04           | ND                | <.5              | <.1              | 4,170             | 3,440                 | 1,330                      | 308            | 38                          |
|               | 04-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | 1.05           | ND                | <.5              | <.1              | 7,100             | 3,640                 | 1,250                      | 339            | 6.36                        |
|               | 08-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | 0.986          | ND                | <.5              | <.1              | 4,810             | 3,420                 | 1,120                      | 330            | 6.05                        |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>1.02</b>    | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>4,340</b>      | <b>3,240</b>          | <b>1,060</b>               | <b>401</b>     | <b>6.59</b>                 |
| PT-5M         | 16-Mar-06        | N           | 60-70                    | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 707                        | 463            | 1.04                        |
|               | 07-Apr-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 1,850             | 1,820                 | 1,770                      | 443            | 3.31                        |
|               | 01-Jun-06        | N           |                          | <1 J/HD                    | <1                        | <1            | <.5            | ND                | <.5              | <.1              | 4,570             | <500                  | 168                        | 437            | 1.62                        |
|               | 19-Jul-06        | N           |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 2,240             | <500                  | 109                        | 404            | 6.53                        |
|               | 09-Aug-06        | N           |                          | <0.2 J/HD                  | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 3,770             | <500                  | 83.5                       | 372            | 3.75                        |
|               | 08-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 9,570             | <500                  | 82.3                       | 404            | 2.77                        |
|               | 05-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 2,980             | <500                  | 65.4                       | 343            | 5.79                        |
|               | 09-Nov-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 790               | <500                  | 59.1                       | 348            | 18.5                        |
|               | 06-Dec-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 958               | <500                  | 61.3                       | 353            | 22.1                        |
|               | 04-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 4,110             | <500                  | 62.2                       | 391            | 1.68                        |
|               | 08-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 692               | <500                  | 56.4                       | 414            | 1.35                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>2.15</b>               | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>1,020</b>      | <b>&lt;500</b>        | <b>84.8</b>                | <b>441</b>     | <b>1.84</b>                 |

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PG&E Topock  
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| Location Name | Sample Date | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-5D         | 16-Mar-06   | N           | 95-105                   | 6,150                      | 5,650                     | <1            | <.5            | ND                | 4.86             | 0.258            | <500              | <500                  | 355                        | 1,080          | <1                          |
|               | 07-Apr-06   | N           |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 2,280             | 2,200                 | 1,700                      | 403            | 3.49                        |
|               | 12-May-06   | N           |                          | 4,250                      | 4,680                     | <1            | 1.17           | 0.02              | 3.58             | <1               | <500              | <500                  | 209                        | 1,020          | 1.34                        |
|               | 01-Jun-06   | N           |                          | 3,900                      | 3,930                     | <1            | <.5            | ND                | 3.18             | <.1              | 3,550             | <500                  | 132                        | 919            | 1.27                        |
|               | 17-Jul-06   | N           |                          | 3,640                      | 3,890                     | <1            | 1.01           | ND                | 2.98             | 0.613            | <500              | <500                  | 90.8                       | 882            | 3.73                        |
|               | 09-Aug-06   | N           |                          | 4,470 J/HD                 | 3,880                     | 6.85          | <1             | ND                | 3.12             | <.2              | <500              | <500                  | 55.8                       | 933            | 1.74                        |
|               | 08-Sep-06   | N           |                          | 4,420                      | 4,930                     | 9.71          | <1             | ND                | 3.61             | <.2              | <500              | <500                  | 40                         | 923            | 2.33                        |
|               | 05-Oct-06   | N           |                          | 3,740                      | 3,920                     | 8.72          | <1             | ND                | 3.13             | <.2              | <500              | <500                  | 62.3                       | 860            | 8.05                        |
|               | 09-Nov-06   | N           |                          | 4,510                      | 4,400                     | 11.6          | <2.5           | ND                | 4.01             | <.5              | <500              | <500                  | 36.6                       | 839            | 3.59                        |
|               | 06-Dec-06   | N           |                          | 4,700                      | 4,480                     | 11            | 0.704          | ND                | 3.99             | <.1              | <500              | <500                  | 33.5                       | 852            | 4.9                         |
|               | 04-Jan-07   | N           |                          | 4,050                      | 4,690                     | 10.7          | 1.09           | ND                | 3.95             | <.2              | 24,100            | <500                  | 14.4                       | 876            | 1.22                        |
|               | 08-Feb-07   | N           |                          | 3,950                      | 3,750                     | 9.95          | 0.97           | ND                | 3.78             | <.1              | <500              | <500                  | 27.6                       | 1,000          | 1.02                        |
|               | 08-Mar-07   | N           |                          | 3,640                      | 3,500                     | 8.8           | 0.879          | ND                | 3.3              | <.1              | <500              | <500                  | 31.3                       | 1,020          | 1.58                        |
| PT-6S         | 16-Mar-06   | N           | 35-45                    | <1                         | ---                       | ---           | ---            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
|               | 18-Mar-06   | N           |                          | ---                        | 4.6                       | <1            | 1.18           | ND                | <.5              | <1               | 4,560             | 3,530                 | 9,260                      | 60             | 13.4                        |
|               | 04-Apr-06   | N           |                          | <1                         | <1                        | <1            | 1.3            | ND                | <.5              | <.5              | 11,600            | 6,310                 | 7,650                      | 57.8           | 14.2                        |
|               | 13-May-06   | N           |                          | <1 J/HD                    | 2.83                      | <1            | <1             | ND                | <1               | <.2              | 33,000            | 13,400                | 4,400                      | 3.03           | 13                          |
|               | 22-May-06   | N           |                          | <1 J/HD                    | 26                        | <1            | <.5            | ND                | <.5              | <.5              | 22,600            | 1,180                 | 3,710                      | 5.91           | 13.9                        |
|               | 01-Jun-06   | N           |                          | <1 J/HD                    | 1.38                      | <1            | <.5            | ND                | <.5              | <.1              | 17,000            | 12,600                | 3,710                      | 6.96           | 13.4                        |
|               | 06-Jun-06   | N           |                          | <1 J/HD                    | 1.44                      | <1            | <2.5           | ND                | <2.5             | <.5              | 19,000            | 17,100                | 3,250                      | 4.57           | 14.8                        |
|               | 19-Jul-06   | N           |                          | 1.1                        | 17.2                      | <1            | 2.72           | ND                | <.5              | <.5              | 19,900            | 17,200                | 2,970                      | 2.56           | 16.9                        |
|               | 09-Aug-06   | N           |                          | <0.2                       | 1.41                      | <.5           | 2.9            | ND                | <.5              | <.1              | 23,700            | 16,500                | 3,170                      | 76.2           | 16.1                        |
|               | 08-Sep-06   | N           |                          | <0.2                       | 2.56                      | <1            | <1             | ND                | <1               | <.2              | 22,900            | 15,800                | 2,810                      | 4.46           | 16.4                        |
|               | 05-Oct-06   | N           |                          | <0.2                       | <1                        | <2.5          | <2.5           | ND                | <2.5             | <.5              | 26,400            | 19,100                | 2,610                      | 4.66           | 20.2                        |
|               | 09-Nov-06   | N           |                          | <0.2                       | 3.65                      | <.5           | 1.7            | ND                | <.5              | <.1              | 27,800            | 20,000                | 2,550                      | 6.07           | 62.2                        |
|               | 06-Dec-06   | N           |                          | <0.2                       | <1.0                      | <.5           | 1.9            | ND                | <.5              | <.1              | 36,500            | 27,700                | 2,530                      | 9.65           | 76                          |
|               | 04-Jan-07   | N           |                          | <0.2                       | 1.23                      | <1            | 2.12           | ND                | <1               | <.2              | 35,400            | 30,000                | 2,220                      | 9.68           | 20.9                        |
|               | 08-Feb-07   | N           |                          | <0.2                       | 1.92                      | <.5           | 1.83           | ND                | <.5              | <.1              | 30,300            | 25,900                | 1,770                      | 8.25           | 19.9                        |
|               | 08-Mar-07   | N           |                          | <0.2                       | <50                       | <.5           | 1.45           | ND                | <.5              | <.1              | 26,400            | 20,500                | 1,540                      | 11.8           | 16                          |

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Needles, California

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| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PT-6M         | 16-Mar-06        | N           | 60-70                    | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 56.1                       | 486            | <1                          |
|               | 04-Apr-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 55.2                       | 498            | 1.22                        |
|               | 13-May-06        | N           |                          | <1 J/HD                    | 4.53                      | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 71.2                       | 509            | 1.7                         |
|               | 23-May-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 1,690             | <500                  | 71.2                       | 476            | 1.11                        |
|               | 01-Jun-06        | N           |                          | <1                         | 1.24                      | <1            | <.5            | ND                | <.5              | <.1              | 1,150             | <500                  | 77.6                       | 479            | 1.4                         |
|               | 06-Jun-06        | N           |                          | <1 J/HD                    | 1.66                      | <1            | <.5            | ND                | <.5              | <.5              | 1,650             | <500                  | 76.4                       | 528            | 3.14                        |
|               | 19-Jul-06        | N           |                          | <0.2                       | 2.53                      | <1            | <.5            | ND                | <.5              | <.5              | 641               | <500                  | 89.2                       | 471            | 4.28                        |
|               | 09-Aug-06        | N           |                          | <0.2 J/HD                  | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 94.1                       | 465            | 5.44                        |
|               | 08-Sep-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 2,790             | <500                  | 108                        | 452            | 2.97                        |
|               | 05-Oct-06        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 1,120             | <500                  | 104                        | 405            | 8.61                        |
|               | 09-Nov-06        | N           |                          | <0.2                       | 1.15                      | <.5           | <.5            | ND                | <.5              | <.1              | 1,990             | <500                  | 114                        | 389            | 12.9                        |
|               | 06-Dec-06        | N           |                          | <0.2                       | 1.13                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 116                        | 388            | 17.1                        |
|               | 04-Jan-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 1,510             | <500                  | 119                        | 391            | 1.91                        |
|               | 08-Feb-07        | N           |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | 2,180             | <500                  | 124                        | 441            | 1.73                        |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>704</b>        | <b>&lt;500</b>        | <b>141</b>                 | <b>433</b>     | <b>2.23</b>                 |
| PT-6D         | 16-Mar-06        | N           | 95-105                   | 3,310                      | 3,140                     | <1            | <.5            | ND                | 2.5              | 0.218            | <500              | <500                  | 361                        | 844            | <1                          |
|               | 04-Apr-06        | N           |                          | 2,270                      | 2,180                     | 4.23          | <.5            | ND                | 1.73             | <.5              | <500              | <500                  | 258                        | 750            | <1                          |
|               | 13-May-06        | N           |                          | 1,760 J/HD                 | 1,720                     | <1            | <1             | ND                | 1.49             | <.2              | 1,320             | <500                  | 169                        | 810            | 1.16                        |
|               | 22-May-06        | N           |                          | 1,610 J/HD                 | 1,970                     | <1            | <.5            | ND                | 1.42             | <.5              | 2,520             | <500                  | 168                        | 719            | 1.96                        |
|               | 01-Jun-06        | N           |                          | 1,440                      | 1,420                     | <1            | <.5            | ND                | 1.2              | <.1              | 764               | <500                  | 152                        | 711            | 1.08                        |
|               | 06-Jun-06        | N           |                          | 1,340 J/HD                 | 1,290                     | <1            | 1.85           | 0.105             | 1.38             | <.5              | 1,130             | <500                  | 134                        | 750            | 2.45                        |
|               | 17-Jul-06        | N           |                          | 1,220                      | 1,120                     | <1            | <.5            | ND                | 0.994            | 0.917            | <500              | <500                  | 112                        | 670            | 3.54                        |
|               | 09-Aug-06        | N           |                          | 1,320 J/HD                 | 1,440                     | 3.34          | 0.94           | ND                | 1.27             | <.1              | <500              | <500                  | 77.2                       | 684            | 2.67                        |
|               | 08-Sep-06        | N           |                          | 1,540                      | 1,520                     | 3.54          | <.5            | ND                | 1.55             | <.1              | <500              | <500                  | 70.6                       | 726            | 2.17                        |
|               | 05-Oct-06        | N           |                          | 1,060                      | 1,000                     | 2.44          | 0.55           | ND                | 1.05             | <.1              | 612               | <500                  | 34.1                       | 667            | 2.9                         |
|               | 09-Nov-06        | N           |                          | 1,300                      | 1,160                     | 3.25          | 0.561          | ND                | 1.36             | <.1              | <500              | <500                  | 28.8                       | 620            | 4.61                        |
|               | 09-Nov-06        | FD          |                          | 1,500                      | 1,130                     | 4.63          | 0.614          | ND                | 1.75             | <.1              | <500              | <500                  | 29                         | 617            | 4.2                         |
|               | 06-Dec-06        | N           |                          | 1,100                      | 1,270                     | 2.97          | 0.637          | ND                | 1.33             | <.1              | <500              | <500                  | 25.2                       | 672            | 7.01                        |
|               | 04-Jan-07        | N           |                          | 1,320                      | 1,490                     | 3.58          | 0.724          | 0.036             | 1.75             | <.1              | 1,260             | <500                  | 116                        | 634            | 1.36                        |
|               | 08-Feb-07        | N           |                          | 1,020                      | 926                       | 2.74          | 0.62           | ND                | 1.42             | <.1              | <500              | <500                  | 17.2                       | 711            | 1.14                        |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>781</b>                 | <b>796</b>                | <b>1.87</b>   | <b>0.606</b>   | <b>ND</b>         | <b>1.04</b>      | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>71.8</b>                | <b>731</b>     | <b>1.31</b>                 |

**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PTI-1S        | 15-Mar-06        | N           | 35-45                    | <1                         | 19.8                      | 0.708 J       | <.5            | ND                | <.5              | <.1              | 7,360             | 8,350                 | 717                        | 122            | 4.55                        |
|               | 05-Apr-06        | N           |                          | <1                         | <1                        | <1            | <.5            | ND                | <.5              | <.5              | 7,730             | 3,320                 | 606                        | 120            | 4.84                        |
|               | 06-May-06        | N           |                          | <1 J/HD                    | 4.15                      | <1            | 1,130          | 1,950             | <2.5             | <.5              | 21,500            | 19,900                | 980                        | 15             | 588                         |
|               | 07-May-06        | N           |                          | <1 J/HD                    | ---                       | <1            | 449            | 3,820             | ---              | ---              | ---               | ---                   | ---                        | ---            | 452                         |
|               | 09-May-06        | N           |                          | <1                         | ---                       | <1            | 360            | 3,820             | ---              | ---              | ---               | ---                   | ---                        | ---            | 474                         |
|               | 09-May-06        | FD          |                          | <0.2                       | ---                       | <1            | 360            | 3,770             | ---              | ---              | ---               | ---                   | ---                        | ---            | 467                         |
|               | 10-May-06        | N           |                          | <1                         | ---                       | <1            | 362            | 3,560             | ---              | ---              | ---               | ---                   | ---                        | ---            | 506                         |
|               | 11-May-06        | N           |                          | <1                         | ---                       | <1            | 316            | 3,760             | ---              | ---              | ---               | ---                   | ---                        | ---            | 543                         |
|               | 12-May-06        | N           |                          | <1                         | ---                       | <1            | 284            | 3,710             | ---              | ---              | ---               | ---                   | ---                        | ---            | 558                         |
|               | 13-May-06        | N           |                          | ---                        | ---                       | <1            | 288            | 3,730             | ---              | ---              | ---               | ---                   | ---                        | ---            | 525                         |
|               | 23-May-06        | N           |                          | ---                        | ---                       | <1            | 213            | 3,810             | ---              | ---              | ---               | ---                   | ---                        | ---            | 214                         |
|               | 31-May-06        | N           |                          | ---                        | ---                       | <1            | 56.4           | 4,090             | ---              | ---              | ---               | ---                   | ---                        | ---            | 188                         |
|               | 05-Jun-06        | N           |                          | ---                        | ---                       | <1            | 28.7           | 3,750             | ---              | ---              | ---               | ---                   | ---                        | ---            | 136                         |
|               | 18-Jul-06        | N           |                          | <0.2                       | ---                       | <1            | 3.05           | 647               | ---              | ---              | ---               | ---                   | ---                        | ---            | 9.33                        |
|               | 07-Aug-06        | N           |                          | <0.2                       | ---                       | <.5           | <.5            | 196               | ---              | ---              | ---               | ---                   | ---                        | ---            | 11.4                        |
|               | 07-Sep-06        | N           |                          | <1                         | ---                       | <1            | <1             | 73.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.1                         |
|               | 03-Oct-06        | N           |                          | <0.2                       | ---                       | <2.5          | <2.5           | 46                | ---              | ---              | ---               | ---                   | ---                        | ---            | 10.8                        |
|               | 07-Nov-06        | N           |                          | ---                        | ---                       | <.5           | 1.03           | 30.7              | ---              | ---              | ---               | ---                   | ---                        | ---            | 26.3                        |
|               | 05-Dec-06        | N           |                          | ---                        | ---                       | <.5           | 0.884          | 21.6              | <.5              | <.1              | ---               | ---                   | ---                        | 4.37           | 45.4                        |
|               | 02-Jan-07        | N           |                          | <0.2                       | ---                       | <.5           | 0.974          | 17.1              | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.41                        |
|               | 06-Feb-07        | N           |                          | <0.2                       | ---                       | <.5           | 0.928          | 13.9              | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.31                        |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>&lt;0.2</b>             | ---                       | <b>&lt;.5</b> | <b>0.91</b>    | <b>11.5</b>       | ---              | ---              | ---               | ---                   | ---                        | ---            | <b>7.31</b>                 |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PTI-1M        | 15-Mar-06   | N           | 60-70                    | 3.9                        | 8.2                       | 0.718 J       | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 141                        | 510            | <1                          |
|               | 04-Apr-06   | N           |                          | 3.3                        | 11.1                      | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 99.5                       | 529            | <1                          |
|               | 06-May-06   | N           |                          | <1 J/HD                    | <1                        | <1            | 1,430          | 0.853             | <.5              | <.1              | <500              | <500                  | 1,770                      | 18.7           | 210                         |
|               | 07-May-06   | N           |                          | <1 J/HD                    | ---                       | <1            | 1,510          | 0.728             | ---              | ---              | ---               | ---                   | ---                        | ---            | 215                         |
|               | 09-May-06   | N           |                          | <1                         | ---                       | ---           | 621            | 0.272             | ---              | ---              | ---               | ---                   | ---                        | ---            | 83.4                        |
|               | 10-May-06   | N           |                          | <1                         | ---                       | <1            | 1,080          | 0.746             | ---              | ---              | ---               | ---                   | ---                        | ---            | 111                         |
|               | 11-May-06   | N           |                          | <1                         | ---                       | <1            | 1,130          | 0.79              | ---              | ---              | ---               | ---                   | ---                        | ---            | 101                         |
|               | 12-May-06   | N           |                          | <1                         | ---                       | <1            | 1,090          | 0.934             | ---              | ---              | ---               | ---                   | ---                        | ---            | 77.6                        |
|               | 13-May-06   | N           |                          | ---                        | ---                       | <1            | 1,060          | 1.04              | ---              | ---              | ---               | ---                   | ---                        | ---            | 67.6                        |
|               | 23-May-06   | N           |                          | ---                        | ---                       | <1            | 1,490          | 1.58              | ---              | ---              | ---               | ---                   | ---                        | ---            | 77.8                        |
|               | 31-May-06   | N           |                          | ---                        | ---                       | <1            | 169            | 0.298             | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.56                        |
|               | 05-Jun-06   | N           |                          | ---                        | ---                       | <1            | 125            | 0.281             | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.18                        |
|               | 18-Jul-06   | N           |                          | <1                         | ---                       | <1            | 28.4           | 0.1               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.12                        |
|               | 07-Aug-06   | N           |                          | <0.2                       | ---                       | <.5           | 18.1           | 1.57              | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.07                        |
|               | 07-Sep-06   | N           |                          | <0.2                       | ---                       | <.5           | 5.66           | 0.047             | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.42                        |
|               | 03-Oct-06   | N           |                          | <0.2                       | ---                       | <0.5          | 1.96           | 0.029             | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.75                        |
|               | 07-Nov-06   | N           |                          | ---                        | ---                       | <.5           | 0.95           | 0.079             | ---              | ---              | ---               | ---                   | ---                        | ---            | 14.3                        |
|               | 05-Dec-06   | N           |                          | ---                        | ---                       | <.5           | 0.75           | ND                | <.5              | <.1              | ---               | ---                   | ---                        | 431            | 19.7                        |
|               | 02-Jan-07   | N           |                          | <0.2                       | ---                       | <.5           | 0.647          | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.51                        |
|               | 06-Feb-07   | N           |                          | <0.2                       | ---                       | <.5           | 0.512          | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.22                        |
|               | 06-Mar-07   | N           |                          | <0.2                       | ---                       | <.5           | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.37                        |

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|---------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PTI-1D        | 15-Mar-06   | N           | 95-105                   | 1,620                      | 1,580                     | <1            | 2.63           | ND                | <.5              | <.5              | <500              | <500                  | 1,070                      | 907            | 1.3                         |
|               | 03-Apr-06   | N           |                          | 3,350                      | 3,370                     | 6.42          | <.5            | ND                | 2.59             | <.5              | <500              | <500                  | 140                        | 912            | <1                          |
|               | 07-May-06   | N           |                          | <1 J/HD                    | ---                       | 1,640         | 8.27           | 0.153             | ---              | ---              | ---               | ---                   | ---                        | ---            | 195                         |
|               | 09-May-06   | N           |                          | <1                         | ---                       | 1,950         | 19.2           | 0.794             | ---              | ---              | ---               | ---                   | ---                        | ---            | 204                         |
|               | 10-May-06   | N           |                          | 937                        | ---                       | 672           | 4.56           | 0.087             | ---              | ---              | ---               | ---                   | ---                        | ---            | 46.4                        |
|               | 11-May-06   | N           |                          | 1,050                      | ---                       | 613           | 3.76           | 0.059             | ---              | ---              | ---               | ---                   | ---                        | ---            | 31.9                        |
|               | 12-May-06   | N           |                          | <1 J/HD                    | ---                       | 2,400         | 12.6           | 0.603             | ---              | ---              | ---               | ---                   | ---                        | ---            | 215                         |
|               | 13-May-06   | N           |                          | ---                        | ---                       | 1,760         | 8.24           | 0.145             | ---              | ---              | ---               | ---                   | ---                        | ---            | 206                         |
|               | 22-May-06   | N           |                          | ---                        | ---                       | 57.9          | 0.942          | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.34                        |
|               | 31-May-06   | N           |                          | ---                        | ---                       | <1            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.26                        |
|               | 05-Jun-06   | N           |                          | ---                        | ---                       | 20            | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.45                        |
|               | 18-Jul-06   | N           |                          | 1,360                      | ---                       | 1.65          | 0.512          | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.42                        |
|               | 07-Aug-06   | N           |                          | 1,820                      | ---                       | 4.65          | <.5            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.28                        |
|               | 15-Aug-06   | N           |                          | ---                        | ---                       | <5            | ---            | 2,850             | ---              | ---              | ---               | ---                   | ---                        | ---            | 117                         |
|               | 17-Aug-06   | N           |                          | ---                        | ---                       | 14.3          | ---            | 1,830             | ---              | ---              | ---               | ---                   | ---                        | ---            | 53.7                        |
|               | 22-Aug-06   | N           |                          | ---                        | ---                       | 1.5           | ---            | 849               | ---              | ---              | ---               | ---                   | ---                        | ---            | 13.1                        |
|               | 24-Aug-06   | N           |                          | ---                        | ---                       | <1            | ---            | 629               | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.76                        |
|               | 29-Aug-06   | N           |                          | ---                        | ---                       | <1            | ---            | 285               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.53                        |
|               | 05-Sep-06   | N           |                          | 231                        | ---                       | <.5           | <.5            | 168               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.76                        |
|               | 12-Sep-06   | N           |                          | ---                        | ---                       | 873           | ---            | 30.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 110                         |
|               | 19-Sep-06   | N           |                          | ---                        | ---                       | 260           | ---            | 30                | ---              | ---              | ---               | ---                   | ---                        | ---            | 11                          |
|               | 28-Sep-06   | N           |                          | ---                        | ---                       | 80.9          | ---            | 15.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.94                        |
|               | 28-Sep-06   | FD          |                          | ---                        | ---                       | 80.5          | ---            | 15.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.51                        |
|               | 03-Oct-06   | N           |                          | <0.2                       | ---                       | 51.8          | 0.648          | 12.3              | ---              | ---              | ---               | ---                   | ---                        | ---            | 5.91                        |
|               | 17-Oct-06   | N           |                          | ---                        | ---                       | 20.5          | ---            | 6.1               | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.7                         |
|               | 31-Oct-06   | N           |                          | ---                        | ---                       | 11.9          | ---            | 3.43              | ---              | ---              | ---               | ---                   | ---                        | ---            | 9.12                        |
|               | 07-Nov-06   | N           |                          | ---                        | ---                       | 10.7          | <5             | 2,010             | ---              | ---              | ---               | ---                   | ---                        | ---            | 206                         |
|               | 14-Nov-06   | N           |                          | ---                        | ---                       | <5            | ---            | 757               | ---              | ---              | ---               | ---                   | ---                        | ---            | 35.6                        |
|               | 14-Nov-06   | FD          |                          | ---                        | ---                       | <5            | ---            | 761               | ---              | ---              | ---               | ---                   | ---                        | ---            | 35.4                        |
|               | 21-Nov-06   | N           |                          | ---                        | ---                       | <5.00         | ---            | 362               | ---              | ---              | ---               | ---                   | ---                        | ---            | 12.1                        |
|               | 21-Nov-06   | FD          |                          | ---                        | ---                       | <5.00         | ---            | 351               | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.66                        |
|               | 28-Nov-06   | N           |                          | ---                        | ---                       | 0.99          | ---            | 185               | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.09                        |

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|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| PTI-1D (cont) | 28-Nov-06        | FD          |                          | ---                        | ---                       | 1.02          | ---            | 183               | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.64                        |
|               | 05-Dec-06        | N           |                          | ---                        | ---                       | 0.577         | 0.694          | 70.9              | 0.61             | <.1              | ---               | ---                   | ---                        | 728            | 8.83                        |
|               | 18-Dec-06        | N           |                          | ---                        | ---                       | 0.571         | ---            | 56.7              | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.84                        |
|               | 18-Dec-06        | FD          |                          | ---                        | ---                       | 0.568         | ---            | 56                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.89                        |
|               | 02-Jan-07        | N           |                          | 29.8                       | ---                       | 1.23          | 0.761          | 25                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.86                        |
|               | 15-Jan-07        | N           |                          | ---                        | ---                       | 1.31          | ---            | 14.2              | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.74                        |
|               | 29-Jan-07        | N           |                          | ---                        | ---                       | <.5           | ---            | 10.4              | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.52                        |
|               | 29-Jan-07        | FD          |                          | ---                        | ---                       | <.5           | ---            | 10.8              | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.96                        |
|               | 06-Feb-07        | N           |                          | 138                        | ---                       | <.5           | 0.741          | 6.51              | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.02                        |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>164</b>                 | ---                       | <b>&lt;.5</b> | <b>0.592</b>   | <b>2.67</b>       | ---              | ---              | ---               | ---                   | ---                        | ---            | <b>1.08</b>                 |
| PE-1          | 17-Mar-06        | N           | 79 - 89                  | 148                        | 138                       | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 12.7                       | 900            | 2.14                        |
|               | 05-Apr-06        | N           |                          | 140                        | 136                       | <1            | <.5            | ND                | <.5              | <.5              | <500              | <500                  | 12.3                       | 939            | 1.99                        |
|               | 01-Jun-06        | N           |                          | 114                        | 111                       | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 12.5                       | 773            | 2.34                        |
|               | 17-Jul-06        | N           |                          | 97                         | 96.2                      | <1            | 1.11           | ND                | <.5              | 1.11             | <500              | <500                  | 10.7                       | 772            | 4.16                        |
|               | 07-Aug-06        | N           |                          | 100                        | 98.6                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 10.5                       | 699            | 8.83                        |
|               | 07-Aug-06        | FD          |                          | 104                        | 100                       | <.5           | 0.868          | ND                | <.5              | <.1              | <500              | <500                  | 10.7                       | 692            | 4.58                        |
|               | 06-Sep-06        | N           |                          | 94.5                       | 102                       | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 11                         | 751            | 3.23                        |
|               | 03-Oct-06        | N           |                          | 90.2                       | 93.6                      | <0.5          | 0.624          | ND                | <0.5             | <0.1             | <500              | <5000                 | 11.6                       | 683            | 8.57                        |
|               | 03-Oct-06        | FD          |                          | 95.8                       | 96.2                      | <0.5          | 0.615          | ND                | <0.5             | <0.1             | <500              | <5000                 | 11.4                       | 717            | 6.28                        |
|               | 07-Nov-06        | N           |                          | 96.6                       | 87.8                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 10.6                       | 709            | 11.6                        |
|               | 06-Dec-06        | N           |                          | 99.9                       | 101                       | <.5           | 0.658          | ND                | <.5              | <.1              | <500              | <500                  | 10.4                       | 651            | 22.7                        |
|               | 02-Jan-07        | N           |                          | 85.8                       | 91.2                      | <.5           | 0.707          | ND                | <.5              | <.1              | <500              | <500                  | 8.94                       | 681            | 2.34                        |
|               | 06-Feb-07        | N           |                          | 82.1                       | 94.3                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 7.43                       | 722            | 2.11                        |
|               | 06-Feb-07        | FD          |                          | 79.8                       | 94.5                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | 7.49                       | 718            | 2.1                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>78.9</b>                | <b>74.1</b>               | <b>&lt;.5</b> | <b>0.621</b>   | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>5.62</b>                | <b>725</b>     | <b>2.4</b>                  |



**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|---------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| TW-2D         | 17-Mar-06        | N           | 113 - 148                | 1,430                      | 1,530                     | <1            | <.5            | ND                | 1.67             | <.5              | <500              | <500                  | <5                         | 501            | <1                          |
|               | 05-Apr-06        | N           |                          | 1,350                      | 1,240                     | 2.55          | <.5            | ND                | 1.51             | <.5              | <500              | <500                  | <5                         | 509            | <1                          |
|               | 19-Jul-06        | N           |                          | 802                        | 785                       | 7.09          | 0.55           | ND                | 1.34             | <.5              | <500              | <500                  | <5                         | 483            | 2.88                        |
|               | 07-Aug-06        | N           |                          | 943                        | 797                       | 2.51          | 0.791          | ND                | 1.79             | <.1              | <500              | <500                  | <5                         | 433            | 6.62                        |
|               | 14-Aug-06        | N           |                          | ---                        | ---                       | 5.29          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.29                        |
|               | 17-Aug-06        | N           |                          | ---                        | ---                       | 3.9           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.27                        |
|               | 22-Aug-06        | N           |                          | ---                        | ---                       | 4.56          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.2                         |
|               | 24-Aug-06        | N           |                          | ---                        | ---                       | 3.88          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.17                        |
|               | 29-Aug-06        | N           |                          | ---                        | ---                       | 4.02          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.94                        |
|               | 06-Sep-06        | N           |                          | 780                        | 813                       | 2.83          | <.5            | ND                | 2.34             | <.1              | <500              | <500                  | <5                         | 398            | 1.81                        |
|               | 12-Sep-06        | N           |                          | ---                        | ---                       | 1.76          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.13                        |
|               | 19-Sep-06        | N           |                          | ---                        | ---                       | 2.56          | ---            | 0.114             | ---              | ---              | ---               | ---                   | ---                        | ---            | 5.42                        |
|               | 28-Sep-06        | N           |                          | ---                        | ---                       | 2.56          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.12                        |
|               | 04-Oct-06        | N           |                          | 733                        | 738                       | 1.41          | 0.921          | ND                | 1.21             | <.1              | <500              | <500                  | <5                         | 491            | 2.41                        |
|               | 17-Oct-06        | N           |                          | ---                        | ---                       | <.5           | ---            | 0.058             | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.48                        |
|               | 31-Oct-06        | N           |                          | ---                        | ---                       | 2.57          | ---            | 0.093             | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.46                        |
|               | 08-Nov-06        | N           |                          | 619                        | 605                       | 7.12          | 1.19           | ND                | 1.23             | <.1              | <500              | <500                  | <5                         | 487            | 4.72                        |
|               | 14-Nov-06        | N           |                          | ---                        | ---                       | 6.42          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.77                        |
|               | 21-Nov-06        | N           |                          | ---                        | ---                       | 2.53          | ---            | 0.011             | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.44                        |
|               | 28-Nov-06        | N           |                          | ---                        | ---                       | 2.48          | ---            | 0.783             | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.75                        |
|               | 06-Dec-06        | N           |                          | 739                        | 900                       | 6.3           | 1.12           | ND                | 1.38             | <.1              | <500              | <500                  | <5.0                       | 411            | 12.4                        |
|               | 18-Dec-06        | N           |                          | ---                        | ---                       | 1.65          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|               | 02-Jan-07        | N           |                          | 629                        | 513                       | 1.6           | 0.663          | ---               | 2.59             | <.1              | <500              | <500                  | <5                         | 315            | 1.02                        |
|               | 15-Jan-07        | N           |                          | ---                        | ---                       | 1.72          | ---            | 0.531             | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.11                        |
|               | 15-Jan-07        | FD          |                          | ---                        | ---                       | 2.01          | ---            | 0.534             | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|               | 29-Jan-07        | N           |                          | ---                        | ---                       | 2.08          | ---            | 0.351             | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.08                        |
|               | 06-Feb-07        | N           |                          | 467                        | 441                       | 1.77          | 1.23           | 0.356             | 2.27             | <.1              | <500              | <500                  | <5                         | 388            | <1                          |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>412</b>                 | <b>405</b>                | <b>1.21</b>   | <b>0.93</b>    | <b>0.054</b>      | <b>1.06</b>      | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>&lt;5</b>               | <b>520</b>     | <b>1.19</b>                 |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name   | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|-----------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| TW-3D           | 17-Mar-06        | N           | 111 - 156                | 3,350                      | 3,070                     | <1            | <.5            | ND                | 4.87             | <.2              | <500              | <500                  | <5                         | 613            | 1.04                        |
|                 | 05-Apr-06        | N           |                          | 3,140                      | 2,980                     | 6.12          | <.5            | ND                | 4.61             | <.5              | <500              | <500                  | <5                         | 645            | <1                          |
|                 | 19-Jul-06        | N           |                          | 2,440                      | 2,360                     | <1            | 1              | ND                | 3.89             | <.5              | <500              | <500                  | <5                         | 637            | 3                           |
|                 | 07-Aug-06        | N           |                          | 2,600                      | 2,580                     | 5.86          | 0.849          | ND                | 4.08             | <.1              | <500              | <500                  | <5                         | 599            | 5.26                        |
|                 | 14-Aug-06        | N           |                          | ---                        | ---                       | 6.23          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.31                        |
|                 | 17-Aug-06        | N           |                          | ---                        | ---                       | 6.31          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.41                        |
|                 | 22-Aug-06        | N           |                          | ---                        | ---                       | 6.43          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.4                         |
|                 | 24-Aug-06        | N           |                          | ---                        | ---                       | 6.21          | ---            | 0.288             | ---              | ---              | ---               | ---                   | ---                        | ---            | 8.22                        |
|                 | 29-Aug-06        | N           |                          | ---                        | ---                       | 6.33          | ---            | 0.085             | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.08                        |
|                 | 06-Sep-06        | N           |                          | 2,570                      | 2,620                     | 6.1           | <1             | ND                | 3.94             | <.2              | <500              | <500                  | <5                         | 656            | 2.05                        |
|                 | 12-Sep-06        | N           |                          | ---                        | ---                       | 5.19          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.43                        |
|                 | 19-Sep-06        | N           |                          | ---                        | ---                       | 5.57          | ---            | 0.179             | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.88                        |
|                 | 28-Sep-06        | N           |                          | ---                        | ---                       | 5.8           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 5.07                        |
|                 | 04-Oct-06        | N           |                          | 2,350                      | 2,920                     | 6.86          | <1             | ND                | 5.21             | <.2              | <500              | <500                  | <5                         | 577            | 3.67                        |
|                 | 17-Oct-06        | N           |                          | ---                        | ---                       | <1.0          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.18                        |
|                 | 31-Oct-06        | N           |                          | ---                        | ---                       | 8.01          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 10.4                        |
|                 | 08-Nov-06        | N           |                          | 2,600                      | 2,330                     | 7.08          | 0.882          | ND                | 4.24             | <.1              | <500              | <500                  | <5                         | 629            | 4.11                        |
|                 | 14-Nov-06        | N           |                          | ---                        | ---                       | 7.52          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 6.34                        |
|                 | 21-Nov-06        | N           |                          | ---                        | ---                       | 7.02          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.54                        |
|                 | 28-Nov-06        | N           |                          | ---                        | ---                       | 7.12          | ---            | 0.029             | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.48                        |
|                 | 06-Dec-06        | N           |                          | 2,690                      | 2,570                     | 7.01          | 0.853          | ND                | 4.29             | <.1              | <500              | <500                  | <5.0                       | 582            | 8.43                        |
|                 | 18-Dec-06        | N           |                          | ---                        | ---                       | 7.18          | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.47                        |
|                 | 02-Jan-07        | N           |                          | 2,480                      | 2,450                     | 6.44          | 0.915          | 0.024             | 4.37             | <.1              | <500              | <500                  | <5                         | 601            | 1.15                        |
|                 | 15-Jan-07        | N           |                          | ---                        | ---                       | 6.25          | ---            | 0.018             | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.12                        |
|                 | 29-Jan-07        | N           |                          | ---                        | ---                       | 6.69          | ---            | 0.037             | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.29                        |
|                 | 06-Feb-07        | N           |                          | 2,410                      | 2,560                     | 6.5           | 0.849          | 0.057             | 4.79             | <.1              | <500              | <500                  | <5                         | 666            | <1                          |
|                 | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>2,470</b>               | <b>2,260</b>              | <b>6.21</b>   | <b>0.825</b>   | <b>0.05</b>       | <b>4.66</b>      | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>&lt;5</b>               | <b>669</b>     | <b>1.23</b>                 |
| INJ_SOLUTION_01 | 04-May-06        | N           |                          | ---                        | ---                       | ---           | ---            | 5,620             | ---              | ---              | ---               | ---                   | ---                        | ---            | 265                         |
|                 | 05-May-06        | N           |                          | ---                        | ---                       | ---           | <5             | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
| INJ_SOLUTION_02 | 05-May-06        | N           |                          | ---                        | ---                       | ---           | 1,790          | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | 276                         |

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|-----------------|-------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| INJ_SOLUTION_03 | 06-May-06   | N           |                          | ---                        | ---                       | 1,960         | ---            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | 258                         |
|                 | 11-Aug-06   | N           |                          | ---                        | ---                       | <5            | ---            | 5,140             | ---              | ---              | ---               | ---                   | ---                        | ---            | 459                         |
|                 | 07-Sep-06   | N           |                          | <0.2                       | ---                       | 1,670         | ---            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | 466                         |
| INJ_SOLUTION_04 | 01-Nov-06   | N           |                          | <0.2                       | ---                       | ---           | ---            | 4,440             | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
| Make_Up_Water   | 05-May-06   | N           |                          | ---                        | ---                       | <1            | <.5            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | ---                         |
| Field Blank     | 17-Mar-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 04-Apr-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 09-May-06   | EB          |                          | <0.2 J/HD                  | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 13-May-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 24-May-06   | FB          |                          | 0.25                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 2.45           | 1.53                        |
|                 | 01-Jun-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 21.4                        |
|                 | 05-Jun-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | 0.027             | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 17-Jul-06   | FB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 2.51                        |
|                 | 07-Aug-06   | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 5.16                        |
|                 | 14-Aug-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.04                        |
|                 | 21-Aug-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | 0.033             | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.08                        |
|                 | 29-Aug-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.49                        |
|                 | 06-Sep-06   | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 4.47           | 1.85                        |
|                 | 12-Sep-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.69                        |
|                 | 19-Sep-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.04                        |
|                 | 28-Sep-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 5.13                        |
|                 | 03-Oct-06   | FB          |                          | <0.2                       | <1                        | <0.5          | <0.5           | ND                | <0.5             | <0.1             | <500              | <500                  | <5                         | <0.5           | 7.03                        |
|                 | 17-Oct-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.51                        |
|                 | 31-Oct-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | 0.298             | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.78                        |
|                 | 07-Nov-06   | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                 | 14-Nov-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.05                        |
|                 | 21-Nov-06   | FB          |                          | ---                        | ---                       | <0.50         | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1.00                       |
|                 | 28-Nov-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                 | 05-Dec-06   | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <0.500         | <1                          |
|                 | 18-Dec-06   | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.06                        |

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|--------------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| Field Blank (cont) | 03-Jan-07        | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 15-Jan-07        | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                    | 29-Jan-07        | FB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                    | 06-Feb-07        | FB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 0.784          | <1                          |
|                    | <b>06-Mar-07</b> | <b>FB</b>   |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>&lt;5</b>               | <b>&lt;.5</b>  | <b>&lt;1</b>                |
| Equipment Blank    | 17-Mar-06        | EB          |                          | <0.2                       | 2.91                      | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 07-Apr-06        | EB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 09-May-06        | FB          |                          | <0.2 J/HD                  | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 13-May-06        | EB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 1.33                        |
|                    | 24-May-06        | EB          |                          | 0.23                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 2.47           | 1.17                        |
|                    | 01-Jun-06        | EB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 05-Jun-06        | EB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 1.03                        |
|                    | 17-Jul-06        | EB          |                          | <0.2                       | <1                        | <1            | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 2.95                        |
|                    | 07-Aug-06        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 0.539          | 3.84                        |
|                    | 14-Aug-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.45                        |
|                    | 21-Aug-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.11                        |
|                    | 29-Aug-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 1.57                        |
|                    | 06-Sep-06        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 4.11           | <1                          |
|                    | 12-Sep-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 2.03                        |
|                    | 19-Sep-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.38                        |
|                    | 28-Sep-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 4.95                        |
|                    | 04-Oct-06        | EB          |                          | <0.2                       | 7.26                      | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 2.39           | 2.24                        |
|                    | 17-Oct-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ---               | ---              | ---              | ---               | ---                   | ---                        | ---            | 3.2                         |
|                    | 31-Oct-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | 7.47                        |
|                    | 07-Nov-06        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |
|                    | 14-Nov-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                    | 21-Nov-06        | EB          |                          | ---                        | ---                       | <0.50         | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1.00                       |
|                    | 28-Nov-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | 0.016             | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                    | 06-Dec-06        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | 7.14                        |
|                    | 18-Dec-06        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                    | 03-Jan-07        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | <.5            | <1                          |

**Table 3**  
**Summary of Primary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name          | Sample Date      | Sample Type | Screen Interval (ft bgs) | Hexavalent Chromium (µg/L) | Dissolved Chromium (µg/L) | Iodide (mg/L) | Bromide (mg/L) | Fluorescein (ppb) | Nitrate-N (mg/L) | Nitrite-N (mg/L) | Total Iron (µg/L) | Dissolved Iron (µg/L) | Dissolved Manganese (µg/L) | Sulfate (mg/L) | Total Organic Carbon (mg/L) |
|------------------------|------------------|-------------|--------------------------|----------------------------|---------------------------|---------------|----------------|-------------------|------------------|------------------|-------------------|-----------------------|----------------------------|----------------|-----------------------------|
| Equipment Blank (cont) | 15-Jan-07        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                        | 29-Jan-07        | EB          |                          | ---                        | ---                       | <.5           | ---            | ND                | ---              | ---              | ---               | ---                   | ---                        | ---            | <1                          |
|                        | 06-Feb-07        | EB          |                          | <0.2                       | <1                        | <.5           | <.5            | ND                | <.5              | <.1              | <500              | <500                  | <5                         | 0.683          | <1                          |
|                        | <b>06-Mar-07</b> | <b>EB</b>   |                          | <b>&lt;0.2</b>             | <b>&lt;1</b>              | <b>&lt;.5</b> | <b>&lt;.5</b>  | <b>ND</b>         | <b>&lt;.5</b>    | <b>&lt;.1</b>    | <b>&lt;500</b>    | <b>&lt;500</b>        | <b>&lt;5</b>               | <b>&lt;.5</b>  | <b>&lt;1</b>                |

Notes appear on the following page.

Notes:

Most recent data indicated in **BOLD**

|           |                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------|
| ft bgs    | Feet below ground surface                                                                                    |
| mg/L      | Milligrams per liter                                                                                         |
| µg/L      | Micrograms per liter                                                                                         |
| ppb       | Parts per billion                                                                                            |
| <         | Symbol indicates not detected at or above laboratory detection limit as noted                                |
| N         | Normal                                                                                                       |
| EB        | Equipment blank                                                                                              |
| FB        | Field blank                                                                                                  |
| FD        | Field duplicate                                                                                              |
| J         | Reported value is estimated                                                                                  |
| J/HD      | Sample analyzed beyond USEPA-recommended holding time. Results may still be used for their intended purpose. |
| NA        | Not applicable                                                                                               |
| ND        | Not detected                                                                                                 |
| Nitrate-N | Nitrate as Nitrogen                                                                                          |
| Nitrite-N | Nitrite as Nitrogen                                                                                          |
| ---       | Not analyzed/Not available                                                                                   |
| USEPA     | United States Environmental Protection Agency                                                                |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-1S         | 17-Mar-06        | N           | 35-45                    | 262,000                  | 74,700                     | <5                       | 15,400                     | 1,040,000               | 367                           | <5                          | 1,710              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 267,000                  | 70,500                     | <5                       | 14,400                     | 1,090,000               | 368                           | <5                          | 1,740              | <.5                     | <2             | 3,860                         |
|               | 06-May-06        | N           |                          | 287,000                  | 83,200                     | <5                       | 14,800                     | 1,110,000               | 437                           | <5                          | 2,180              | <.5                     | <2             | 4,680                         |
|               | 09-May-06        | N           |                          | 298,000                  | 89,100                     | <5                       | 14,500                     | 1,110,000               | 405                           | <5                          | 1,910              | <.5                     | <2             | ---                           |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,340                         |
|               | 13-May-06        | N           |                          | 260,000                  | 79,100                     | <5                       | 13,900                     | 1,080,000               | 423                           | <5                          | 2,140              | <1                      | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 278,000                  | 83,600                     | 10.4                     | 14,600                     | 1,060,000               | 461                           | <5                          | 1,960              | <.5                     | <2             | ---                           |
|               | 18-Jul-06        | N           |                          | 277,000                  | 76,700                     | 7.51                     | 14,000                     | 1,080,000               | 424                           | <5                          | 1,570              | <.5                     | <2             | 4,000                         |
|               | 08-Aug-06        | N           |                          | 328,000                  | 107,000                    | 9.3                      | 16,300                     | 1,190,000               | 464                           | <5                          | 2,170              | <.5                     | <2             | 4,430                         |
|               | 06-Sep-06        | N           |                          | 312,000                  | 80,400                     | 18.2                     | 16,700                     | 1,030,000               | 475                           | <5                          | 1,990              | <.5                     | <2             | 3,830                         |
|               | 04-Oct-06        | N           |                          | 327,000                  | 92,900                     | 9.27                     | 15,300                     | 1,210,000               | 445                           | <5                          | 2,110              | <.5                     | <2             | 4,080                         |
|               | 08-Nov-06        | N           |                          | 396,000                  | 152,000                    | 12.2                     | 17,300                     | 1,410,000               | 515                           | <5                          | 2,960              | <.5                     | <2             | 5,170                         |
|               | 05-Dec-06        | N           |                          | 432,000                  | 181,000                    | 14.6                     | 17,500                     | 1,530,000               | 570                           | <5                          | 3,120              | <2.5                    | <2.0           | 5,410                         |
|               | 03-Jan-07        | N           |                          | 381,000                  | 151,000                    | 12.3                     | 15,400                     | 1,350,000               | 485                           | <5                          | 2,830              | <2.5                    | <2             | 5,260                         |
|               | 07-Feb-07        | N           |                          | 297,000                  | 114,000                    | 12.6                     | 13,900                     | 1,060,000               | 410                           | <5                          | 2,260              | <.5                     | <2             | 4,110                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>265,000</b>           | <b>76,200</b>              | <b>8.28</b>              | <b>12,600</b>              | <b>1,010,000</b>        | <b>350</b>                    | <b>&lt;5</b>                | <b>1,920</b>       | <b>&lt;.5</b>           | <b>3.2</b>     | <b>3,450</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-1M         | 17-Mar-06        | N           | 60-70                    | 229,000                  | 40,100                     | <5                       | 15,700                     | 1,230,000               | 145                           | <5                          | 1,790              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 242,000                  | 40,600                     | <5                       | 15,000                     | 1,290,000               | 144                           | <5                          | 1,840              | <.5                     | <2             | 4,250                         |
|               | 06-May-06        | N           |                          | 233,000                  | 36,600                     | <5                       | 13,200                     | 1,370,000               | 168                           | <5                          | 1,820              | <.5                     | <2             | 4,340                         |
|               | 09-May-06        | N           |                          | 214,000                  | 34,700                     | 6.56                     | 12,800                     | 1,280,000               | 125                           | <5                          | 1,790              | <.5                     | <2             | ---                           |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,470                         |
|               | 13-May-06        | N           |                          | 207,000                  | 35,800                     | 9.84                     | 12,500                     | 1,380,000               | 192                           | <5                          | 1,880              | <.5                     | <2             | ---                           |
|               | 24-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 31-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 221,000                  | 38,900                     | 7.14                     | 12,700                     | 1,290,000               | 191                           | <5                          | 2,140              | <.5                     | <2             | ---                           |
|               | 18-Jul-06        | N           |                          | 235,000                  | 38,700                     | 5.53                     | 12,600                     | 1,350,000               | 197                           | <5                          | 1,730              | <.5                     | <2             | 4,130                         |
|               | 08-Aug-06        | N           |                          | 218,000                  | 37,900                     | 5.49                     | 12,100                     | 1,230,000               | 209                           | <5                          | 1,870              | <.5                     | <2             | 4,120                         |
|               | 06-Sep-06        | N           |                          | 230,000                  | 40,200                     | 5.96                     | 13,300                     | 1,320,000               | 239                           | <5                          | 1,840              | <.5                     | <2             | 3,920                         |
|               | 04-Oct-06        | N           |                          | 215,000                  | 33,400                     | 6.06                     | 12,700                     | 1,330,000               | 205                           | <5                          | 1,890              | <.5                     | <2             | 3,940                         |
|               | 08-Nov-06        | N           |                          | 203,000                  | 34,800                     | 5.9                      | 11,800                     | 1,220,000               | 225                           | <5                          | 1,740              | <.5                     | <2             | 3,810                         |
|               | 05-Dec-06        | N           |                          | 205,000                  | 35,400                     | 5.13                     | 11,500                     | 1,170,000               | 233                           | <5                          | 1,760              | <.5                     | <2.0           | 3,740                         |
|               | 03-Jan-07        | N           |                          | 187,000                  | 32,600                     | 5.07                     | 11,100                     | 1,170,000               | 230                           | <5                          | 1,740              | <.5                     | <2             | 3,680                         |
|               | 03-Jan-07        | FD          |                          | 190,000                  | 33,500                     | 5.21                     | 11,100                     | 1,190,000               | 230                           | <5                          | 1,750              | <.5                     | <2             | 3,660                         |
|               | 07-Feb-07        | N           |                          | 177,000                  | 32,500                     | <5                       | 10,500                     | 996,000                 | 233                           | <5                          | 1,690              | <.5                     | <2             | 3,580                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>178,000</b>           | <b>30,400</b>              | <b>&lt;5</b>             | <b>10,600</b>              | <b>1,110,000</b>        | <b>245</b>                    | <b>&lt;5</b>                | <b>1,320</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,430</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-1D         | 17-Mar-06        | N           | 95-105                   | 321,000                  | 24,900                     | <5                       | 24,600                     | 2,540,000               | 107                           | <5                          | 3,650              | <.5                     | <2             | ---                           |
|               | 17-Mar-06        | FD          |                          | 316,000                  | 24,900                     | <5                       | 24,800                     | 2,550,000               | 110                           | <5                          | 3,610              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 332,000                  | 24,000                     | <5                       | 25,300                     | 2,680,000               | 101                           | <5                          | 3,780              | <.5                     | <2             | 8,070                         |
|               | 06-Apr-06        | FD          |                          | 334,000                  | 23,600                     | <5                       | 25,100                     | 2,700,000               | 98.1                          | <5                          | 3,700              | <.5                     | <2             | 8,260                         |
|               | 06-May-06        | N           |                          | 357,000                  | 24,300                     | <5                       | 25,300                     | 2,930,000               | 85.2                          | <5                          | 4,230              | <.5                     | <2             | 8,260                         |
|               | 09-May-06        | N           |                          | 260,000                  | 17,700                     | <5                       | 20,800                     | 2,360,000               | 130                           | <5                          | 3,170              | <1                      | <2             | 6,960                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,070                         |
|               | 13-May-06        | N           |                          | 223,000                  | 16,600                     | <5                       | 20,700                     | 2,340,000               | 160                           | <5                          | 2,170              | <1                      | <2             | ---                           |
|               | 24-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 31-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 05-Jun-06        | N           |                          | 220,000                  | 17,400                     | 5.38                     | 26,300                     | 2,160,000               | 127                           | <5                          | 3,210              | <.5                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 287,000                  | 21,500                     | <5                       | 36,200                     | 2,500,000               | 109                           | <5                          | 3,160              | <.5                     | <2             | 7,010                         |
|               | 08-Aug-06        | N           |                          | 264,000                  | 21,000                     | <5                       | 36,700                     | 2,410,000               | 110                           | <5                          | 3,350              | <.5                     | <2             | 6,860                         |
|               | 05-Sep-06        | N           |                          | 178,000                  | 14,600                     | 6.23                     | 28,900                     | 2,180,000               | 126                           | <5                          | 2,810              | <1                      | <2             | 5,540                         |
|               | 04-Oct-06        | N           |                          | 153,000                  | 13,700                     | 8.99                     | 28,700                     | 1,980,000               | 110                           | <5                          | 2,670              | <.5                     | <2             | 5,710                         |
|               | 08-Nov-06        | N           |                          | 145,000                  | 13,600                     | 10.5                     | 34,100                     | 1,920,000               | 338                           | <5                          | 2,770              | <.5                     | <2             | 5,580                         |
|               | 05-Dec-06        | N           |                          | 130,000                  | 12,300                     | 11.2                     | 32,300                     | 1,910,000               | 163                           | <5                          | 2,870              | <2.5                    | <2.0           | 5,060                         |
|               | 03-Jan-07        | N           |                          | 168,000                  | 17,500                     | 5.91                     | 39,700                     | 2,180,000               | 90                            | <5                          | 3,210              | <1                      | <2             | 6,130                         |
|               | 07-Feb-07        | N           |                          | 191,000                  | 21,200                     | 5.76                     | 43,100                     | 2,100,000               | 97.5                          | <5                          | 3,500              | <.5                     | <2             | 6,750                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>220,000</b>           | <b>27,300</b>              | <b>5.52</b>              | <b>47,000</b>              | <b>2,350,000</b>        | <b>115</b>                    | <b>&lt;5</b>                | <b>2,960</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>6,630</b>                  |



**Table 4**  
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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-2S         | 17-Mar-06        | N           | 35-45                    | 273,000                  | 92,700                     | <5                       | 12,500                     | 929,000                 | 613                           | <5                          | 1,630              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 300,000                  | 99,800                     | <5                       | 12,100                     | 1,030,000               | 635                           | <5                          | 1,670              | <.5                     | <2             | 3,810                         |
|               | 24-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 07-Jun-06        | N           |                          | 324,000                  | 105,000                    | 5.77                     | 11,600                     | 1,000,000               | 691                           | <5                          | 1,900              | <.5                     | <2             | ---                           |
|               | 18-Jul-06        | N           |                          | 336,000                  | 103,000                    | 6.66                     | 10,500                     | 1,040,000               | 646                           | <5                          | 1,740              | <.5                     | <2             | 4,230                         |
|               | 08-Aug-06        | N           |                          | 353,000                  | 110,000                    | 8.48                     | 10,900                     | 1,040,000               | 574                           | <5                          | 1,960              | <.5                     | <2             | 4,170                         |
|               | 06-Sep-06        | N           |                          | 335,000                  | 113,000                    | 7.21                     | 11,500                     | 1,060,000               | 667                           | <5                          | 1,940              | <.5                     | <2             | 4,020                         |
|               | 04-Oct-06        | N           |                          | 360,000                  | 102,000                    | 5.97                     | 11,400                     | 1,050,000               | 610                           | <5                          | 1,890              | <.5                     | <2             | 3,770                         |
|               | 08-Nov-06        | N           |                          | 418,000                  | 131,000                    | <5                       | 11,700                     | 1,100,000               | 640                           | <5                          | 2,200              | <.5                     | <2             | 4,430                         |
|               | 05-Dec-06        | N           |                          | 268,000                  | 50,700                     | <5                       | 13,000                     | 1,220,000               | 265                           | <5                          | 1,930              | <.5                     | <2.0           | 3,660                         |
|               | 03-Jan-07        | N           |                          | 368,000                  | 116,000                    | <5                       | 10,800                     | 1,050,000               | 660                           | <5                          | 1,970              | <1                      | <2             | 3,900                         |
| PT-2M         | 07-Feb-07        | N           | 60-70                    | 361,000                  | 121,000                    | <5                       | 10,500                     | 890,000                 | 605                           | <5                          | 1,970              | <.5                     | <2             | 3,900                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>357,000</b>           | <b>116,000</b>             | <b>&lt;5</b>             | <b>10,300</b>              | <b>941,000</b>          | <b>650</b>                    | <b>&lt;5</b>                | <b>2,060</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,660</b>                  |
|               | 17-Mar-06        | N           |                          | 227,000                  | 35,600                     | <5                       | 14,700                     | 1,340,000               | 264                           | <5                          | 1,880              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 232,000                  | 35,600                     | <5                       | 13,400                     | 1,400,000               | 204                           | <5                          | 1,920              | <.5                     | <2             | 4,430                         |
|               | 24-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 31-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 31-May-06        | FD          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 07-Jun-06        | N           |                          | 220,000                  | 36,500                     | <5                       | 12,600                     | 1,360,000               | 212                           | <5                          | 2,020              | <.5                     | <2             | ---                           |
|               | 18-Jul-06        | N           |                          | 221,000                  | 35,900                     | <5                       | 11,900                     | 1,320,000               | 237                           | <5                          | 1,870              | <.5                     | <2             | 4,050                         |
|               | 08-Aug-06        | N           |                          | 218,000                  | 36,200                     | <5                       | 11,900                     | 1,280,000               | 228                           | <5                          | 1,810              | <.5                     | <2             | 3,920                         |
|               | 06-Sep-06        | N           |                          | 225,000                  | 38,400                     | <5                       | 13,200                     | 1,280,000               | 241                           | <5                          | 1,810              | <.5                     | <2             | 3,820                         |
|               | 04-Oct-06        | N           |                          | 231,000                  | 36,600                     | <5                       | 12,900                     | 1,270,000               | 225                           | <5                          | 1,850              | <.5                     | <2             | 3,090                         |
|               | 08-Nov-06        | N           |                          | 232,000                  | 42,500                     | <5                       | 12,000                     | 1,210,000               | 248                           | <5                          | 1,830              | <.5                     | <2             | 3,740                         |
|               | 05-Dec-06        | N           |                          | 263,000                  | 50,400                     | <5                       | 12,500                     | 1,130,000               | 248                           | <5                          | 1,850              | <.5                     | <2.0           | 3,850                         |
|               | 03-Jan-07        | N           |                          | 209,000                  | 31,900                     | <5                       | 18,300                     | 1,630,000               | 245                           | <5                          | 1,740              | <.5                     | <2             | 3,730                         |
|               | 07-Feb-07        | N           |                          | 204,000                  | 39,900                     | <5                       | 11,900                     | 1,060,000               | 230                           | <5                          | 1,720              | <.5                     | <2             | 3,470                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>186,000</b>           | <b>33,900</b>              | <b>&lt;5</b>             | <b>10,300</b>              | <b>1,060,000</b>        | <b>210</b>                    | <b>&lt;5</b>                | <b>1,730</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,380</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-2D         | 17-Mar-06        | N           | 95-105                   | 314,000                  | 25,700                     | <5                       | 24,900                     | 2,530,000               | 125                           | <5                          | 3,530              | <.5                     | <2             | ---                           |
|               | 17-Mar-06        | FD          |                          | 315,000                  | 26,300                     | <5                       | 25,200                     | 2,560,000               | 112                           | <5                          | 3,560              | <.5                     | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 338,000                  | 25,600                     | <5                       | 25,100                     | 2,640,000               | 109                           | <5                          | 3,550              | <.5                     | <2             | 8,120                         |
|               | 06-Apr-06        | FD          |                          | 338,000                  | 25,800                     | <5                       | 25,300                     | 2,650,000               | 109                           | <5                          | 3,660              | <.5                     | <2             | 8,040                         |
|               | 24-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 31-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 07-Jun-06        | N           |                          | 231,000                  | 18,100                     | 5.36                     | 21,700                     | 2,310,000               | 154                           | <5                          | 3,120              | <.5                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 261,000                  | 20,300                     | <5                       | 22,800                     | 2,320,000               | 102                           | <5                          | 3,300              | <.5                     | <2             | 7,090                         |
|               | 07-Aug-06        | N           |                          | 266,000                  | 21,600                     | <5                       | 23,600                     | 2,460,000               | 99.2                          | <5                          | 3,550              | <.5                     | <2             | 7,190                         |
|               | 06-Sep-06        | N           |                          | 227,000                  | 18,900                     | 5.34                     | 24,300                     | 2,300,000               | 134                           | <5                          | 2,980              | <1                      | <2             | 6,000                         |
|               | 04-Oct-06        | N           |                          | 157,000                  | 11,700                     | <5                       | 21,000                     | 2,010,000               | 150                           | <5                          | 2,730              | <2.5                    | <2             | 5,600                         |
|               | 08-Nov-06        | N           |                          | 186,000                  | 15,500                     | <5                       | 23,500                     | 2,150,000               | 115                           | <5                          | 3,080              | <2.5                    | <2             | 6,090                         |
|               | 05-Dec-06        | N           |                          | 174,000                  | 14,000                     | <5                       | 22,400                     | 2,160,000               | 258                           | <5                          | 2,710              | <2.5                    | <2.0           | 5,760                         |
|               | 03-Jan-07        | N           |                          | 179,000                  | 16,300                     | <5                       | 23,900                     | 2,150,000               | 100                           | <5                          | 3,250              | <.5                     | <2             | 6,290                         |
|               | 07-Feb-07        | N           |                          | 236,000                  | 23,700                     | <5                       | 29,900                     | 2,350,000               | 65                            | <5                          | 3,830              | <.5                     | <2             | 6,900                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>256,000</b>           | <b>23,800</b>              | <b>&lt;5</b>             | <b>32,800</b>              | <b>2,500,000</b>        | <b>72.5</b>                   | <b>&lt;5</b>                | <b>4,040</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>7,230</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-3S         | 16-Mar-06        | N           | 35-45                    | 244,000                  | 85,600                     | <5                       | 10,000                     | 942,000                 | 334                           | <5                          | 1,740              | <.5                     | <2             | ---                           |
|               | 03-Apr-06        | N           |                          | 236,000                  | 80,600                     | 5.08                     | 10,300                     | 930,000                 | 369                           | <5                          | 1,800              | <.5                     | <2             | 4,080                         |
|               | 06-May-06        | N           |                          | 270,000                  | 86,300                     | 6.06                     | 10,100                     | 1,080,000               | 378                           | <5                          | 1,900              | <.5                     | <2             | 3,770                         |
|               | 06-May-06        | FD          |                          | 265,000                  | 85,100                     | 5.96                     | 10,100                     | 1,060,000               | 367                           | <5                          | 1,860              | <.5                     | <2             | 3,610                         |
|               | 09-May-06        | N           |                          | 281,000                  | 93,100                     | 6.28                     | 11,100                     | 1,150,000               | 367                           | <5                          | 1,850              | <1                      | <2             | 4,030                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,950                         |
|               | 13-May-06        | N           |                          | 238,000                  | 79,500                     | 6.32                     | 9,840                      | 1,050,000               | 365                           | <5                          | 1,820              | <1                      | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 189,000                  | 63,000                     | 8.17                     | 9,260                      | 9,170,000               | 505                           | <5                          | 1,250              | <2.5                    | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 181,000                  | 59,300                     | 8.6                      | 12,100                     | 1,010,000               | 507                           | <5                          | 1,530              | <.5                     | <2             | 3,470                         |
|               | 08-Aug-06        | N           |                          | 203,000                  | 64,100                     | 8.97                     | 14,100                     | 1,040,000               | 477                           | <5                          | 1,620              | <.5                     | <2             | 3,560                         |
|               | 06-Sep-06        | N           |                          | 227,000                  | 71,600                     | 8.21                     | 17,700                     | 1,080,000               | 480                           | <5                          | 1,750              | <.5                     | <2             | 3,430                         |
|               | 04-Oct-06        | N           |                          | 232,000                  | 64,600                     | 7.91                     | 17,800                     | 1,120,000               | 410                           | <5                          | 1,710              | <2.5                    | <2             | 3,470                         |
|               | 08-Nov-06        | N           |                          | 230,000                  | 72,100                     | 7.24                     | 16,200                     | 1,070,000               | 423                           | <5                          | 1,860              | <.5                     | <2             | 3,620                         |
|               | 05-Dec-06        | N           |                          | 225,000                  | 67,100                     | 7.07                     | 15,900                     | 1,070,000               | 473                           | <5                          | 1,810              | <.5                     | <2.0           | 3,610                         |
|               | 03-Jan-07        | N           |                          | 235,000                  | 73,200                     | 7                        | 15,600                     | 1,050,000               | 463                           | <5                          | 1,890              | <1                      | <2             | 3,530                         |
|               | 07-Feb-07        | N           |                          | 236,000                  | 76,600                     | 6.65                     | 14,500                     | 975,000                 | 430                           | <5                          | 1,950              | <.5                     | <2             | 3,570                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>239,000</b>           | <b>69,400</b>              | <b>6.53</b>              | <b>13,900</b>              | <b>1,010,000</b>        | <b>460</b>                    | <b>&lt;5</b>                | <b>1,980</b>       | <b>&lt;.5</b>           | <b>3.2</b>     | <b>3,410</b>                  |
|               | <b>07-Mar-07</b> | <b>FD</b>   |                          | <b>242,000</b>           | <b>70,500</b>              | <b>7.26</b>              | <b>14,100</b>              | <b>1,020,000</b>        | <b>460</b>                    | <b>&lt;5</b>                | <b>1,990</b>       | <b>&lt;.5</b>           | <b>3.2</b>     | <b>3,480</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-3M         | 18-Mar-06        | N           | 60-70                    | 162,000                  | 32,600                     | <5                       | 19,900                     | 1,360,000               | 112                           | <5                          | 1,830              | <.5                     | <2             | ---                           |
|               | 07-Apr-06        | N           |                          | 184,000                  | 30,500                     | <5                       | 18,300                     | 1,510,000               | 131                           | <5                          | 1,910              | <.5                     | <2             | 4,420                         |
|               | 06-May-06        | N           |                          | 194,000                  | 28,900                     | <5                       | 15,100                     | 1,490,000               | 157                           | <5                          | 2,050              | <.5                     | <2             | 4,120                         |
|               | 09-May-06        | N           |                          | 186,000                  | 28,800                     | <5                       | 14,100                     | 1,440,000               | 170                           | <5                          | 2,020              | <.5                     | <2             | 4,410                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,370                         |
|               | 13-May-06        | N           |                          | 193,000                  | 28,300                     | <5                       | 13,800                     | 1,500,000               | 176                           | <5                          | 2,040              | <.5                     | <2             | ---                           |
|               | 13-May-06        | FD          |                          | 193,000                  | 28,300                     | <5                       | 13,700                     | 1,490,000               | 184                           | <5                          | 1,970              | <.5                     | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 184,000                  | 27,100                     | <5                       | 12,900                     | 1,360,000               | 172                           | <5                          | 2,170              | <.5                     | <2             | ---                           |
|               | 06-Jun-06        | FD          |                          | 189,000                  | 27,900                     | <5                       | 13,400                     | 1,410,000               | 196                           | <5                          | 2,160              | <.5                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 177,000                  | 26,400                     | <5                       | 12,600                     | 1,370,000               | 180                           | <5                          | 1,930              | <.5                     | <2             | 4,230                         |
|               | 08-Aug-06        | N           |                          | 182,000                  | 26,400                     | <5                       | 13,100                     | 1,430,000               | 193                           | <5                          | 1,770              | <.5                     | <2             | 4,190                         |
|               | 06-Sep-06        | N           |                          | 178,000                  | 26,100                     | <5                       | 13,200                     | 1,400,000               | 209                           | <5                          | 1,860              | <.5                     | <2             | 3,970                         |
|               | 04-Oct-06        | N           |                          | 170,000                  | 22,300                     | <5                       | 12,900                     | 1,470,000               | 203                           | <5                          | 1,820              | <.5                     | <2             | 3,830                         |
|               | 08-Nov-06        | N           |                          | 226,000                  | 70,100                     | 6.97                     | 16,000                     | 1,040,000               | 438                           | <5                          | 1,950              | <.5                     | <2             | 3,610                         |
|               | 05-Dec-06        | N           |                          | 149,000                  | 20,900                     | <5                       | 11,100                     | 1,310,000               | 143                           | <5                          | 3,430              | <.5                     | <2.0           | 5,890                         |
|               | 03-Jan-07        | N           |                          | 139,000                  | 20,800                     | <5                       | 10,600                     | 1,190,000               | 213                           | <5                          | 1,630              | <.5                     | <2             | 3,510                         |
|               | 07-Feb-07        | N           |                          | 134,000                  | 20,400                     | <5                       | 10,300                     | 1,090,000               | 190                           | <5                          | 1,580              | <.5                     | <2             | 3,380                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>131,000</b>           | <b>18,400</b>              | <b>&lt;5</b>             | <b>10,000</b>              | <b>1,150,000</b>        | <b>228</b>                    | <b>&lt;5</b>                | <b>1,630</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,240</b>                  |

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|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-3D         | 18-Mar-06        | N           | 95-105                   | 273,000                  | 19,200                     | <5                       | 22,900                     | 2,570,000               | 104                           | <5                          | 3,920              | <.5                     | <2             | ---                           |
|               | 05-Apr-06        | N           |                          | 277,000                  | 18,200                     | <5                       | 22,200                     | 2,720,000               | 87.2                          | <5                          | 3,760              | <.5                     | <2             | 8,130                         |
|               | 06-May-06        | N           |                          | 218,000                  | 13,400                     | <5                       | 19,500                     | 2,300,000               | 117                           | <5                          | 3,080              | <.5                     | <2             | 6,950                         |
|               | 09-May-06        | N           |                          | 243,000                  | 16,000                     | <5                       | 21,200                     | 2,620,000               | 114                           | <5                          | 3,330              | <1                      | <2             | 7,500                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,070                         |
|               | 13-May-06        | N           |                          | 234,000                  | 16,700                     | 5.06                     | 20,700                     | 2,590,000               | 112                           | <5                          | 3,660              | <1                      | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 249,000                  | 17,100                     | <5                       | 22,000                     | 2,670,000               | 98.1                          | <5                          | 3,990              | <.5                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 258,000                  | 16,500                     | 5.03                     | 22,200                     | 2,740,000               | 99.3                          | <5                          | 2,550              | <.5                     | <2             | 7,550                         |
|               | 17-Jul-06        | FD          |                          | 256,000                  | 16,200                     | <5                       | 22,000                     | 2,690,000               | 99.3                          | <5                          | 3,480              | <.5                     | <2             | 7,400                         |
|               | 08-Aug-06        | N           |                          | 241,000                  | 16,200                     | <5                       | 21,500                     | 2,700,000               | 93.8                          | <5                          | 3,510              | <.5                     | <2             | 7,240                         |
|               | 05-Sep-06        | N           |                          | 236,000                  | 16,800                     | 5.66                     | 22,600                     | 2,890,000               | 100                           | <5                          | 3,460              | <10                     | <2             | 7,290                         |
|               | 04-Oct-06        | N           |                          | 237,000                  | 14,500                     | 5.45                     | 22,400                     | 2,800,000               | 97.5                          | <5                          | 3,820              | <1                      | <2             | 7,580                         |
|               | 08-Nov-06        | N           |                          | 204,000                  | 14,700                     | 8.8                      | 19,800                     | 2,720,000               | 138                           | <5                          | 3,910              | <5                      | <2             | 7,220                         |
|               | 05-Dec-06        | N           |                          | 251,000                  | 14,000                     | 6.05                     | 23,200                     | 3,360,000               | 67.5                          | <5                          | 4,110              | <1                      | <2.0           | 8,650                         |
|               | 03-Jan-07        | N           |                          | 242,000                  | 16,000                     | 6.82                     | 22,300                     | 2,950,000               | 70                            | <5                          | 4,200              | <.5                     | <2             | 8,040                         |
|               | 07-Feb-07        | N           |                          | 234,000                  | 16,200                     | 6.2                      | 21,200                     | 2,730,000               | 27.5                          | <5                          | 4,400              | <.5                     | <2             | 7,690                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>244,000</b>           | <b>16,000</b>              | <b>5.52</b>              | <b>21,200</b>              | <b>2,800,000</b>        | <b>85</b>                     | <b>&lt;5</b>                | <b>4,360</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>8,270</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-4S         | 15-Mar-06        | N           | 35-45                    | 261,000                  | 64,300                     | 6.22                     | 14,100                     | 1,180,000               | 184                           | <5                          | 1,800              | 1.35                    | <2             | ---                           |
|               | 06-Apr-06        | N           |                          | 282,000                  | 61,800                     | 6.56                     | 13,400                     | 1,300,000               | 188                           | <5                          | 2,020              | <.5                     | <2             | 4,470                         |
|               | 09-May-06        | N           |                          | 276,000                  | 61,500                     | 7.84                     | 12,100                     | 1,270,000               | 197                           | <5                          | 2,110              | <.5                     | <2             | 4,580                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,510                         |
|               | 13-May-06        | N           |                          | 267,000                  | 61,100                     | 7.59                     | 12,300                     | 1,300,000               | 181                           | <5                          | 2,210              | <1                      | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 263,000                  | 60,200                     | 8.38                     | 12,000                     | 1,200,000               | 211                           | <5                          | 2,270              | <.5                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 260,000                  | 59,100                     | 8.44                     | 12,300                     | 1,250,000               | 208                           | <5                          | 1,970              | <.5                     | <2             | 4,600                         |
|               | 08-Aug-06        | N           |                          | 264,000                  | 60,800                     | 9.45                     | 11,900                     | 1,260,000               | 201                           | <5                          | 1,960              | <.5                     | <2             | 4,240                         |
|               | 06-Sep-06        | N           |                          | 269,000                  | 61,700                     | 8.91                     | 13,100                     | 1,300,000               | 222                           | <5                          | 2,080              | <.5                     | <2             | 4,260                         |
|               | 06-Sep-06        | FD          |                          | 275,000                  | 63,600                     | 9.67                     | 13,400                     | 1,320,000               | 207                           | <5                          | 2,120              | <.5                     | <2             | 4,370                         |
|               | 04-Oct-06        | N           |                          | 267,000                  | 55,300                     | 9.38                     | 12,700                     | 1,370,000               | 220                           | <5                          | 2,110              | <.5                     | <2             | 4,280                         |
|               | 08-Nov-06        | N           |                          | 265,000                  | 60,200                     | 9.64                     | 11,600                     | 1,280,000               | 215                           | <5                          | 2,260              | <.5                     | <2             | 4,420                         |
|               | 05-Dec-06        | N           |                          | 244,000                  | 53,600                     | 9.43                     | 11,000                     | 1,250,000               | 238                           | <5                          | 1,980              | <.5                     | <2.0           | 3,880                         |
|               | 03-Jan-07        | N           |                          | 242,000                  | 53,200                     | 9.19                     | 10,900                     | 1,240,000               | 230                           | <5                          | 1,960              | <.5                     | <2             | 4,220                         |
|               | 07-Feb-07        | N           |                          | 233,000                  | 53,800                     | 9.12                     | 10,900                     | 1,230,000               | 225                           | <5                          | 2,000              | <.5                     | <2             | 4,070                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>221,000</b>           | <b>45,500</b>              | <b>6.88</b>              | <b>10,200</b>              | <b>1,160,000</b>        | <b>118</b>                    | <b>&lt;5</b>                | <b>1,950</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,740</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-4M         | 15-Mar-06        | N           | 60-70                    | 148,000                  | 25,700                     | <5                       | 18,700                     | 1,370,000               | 144                           | <5                          | 1,800              | <.5                     | <2             | ---                           |
|               | 07-Apr-06        | N           |                          | 155,000                  | 28,900                     | <5                       | 20,400                     | 1,480,000               | 117                           | <5                          | 1,800              | <.5                     | <2             | 4,190                         |
|               | 09-May-06        | N           |                          | 176,000                  | 27,200                     | <5                       | 15,400                     | 1,490,000               | 168                           | <5                          | 2,020              | <.5                     | <2             | 4,250                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,870                         |
|               | 13-May-06        | N           |                          | 174,000                  | 25,700                     | <5                       | 14,000                     | 1,460,000               | 178                           | <5                          | 2,010              | <.5                     | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 176,000                  | 25,900                     | <5                       | 13,400                     | 1,380,000               | 184                           | <5                          | 2,170              | <.5                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 170,000                  | 26,700                     | <5                       | 13,300                     | 1,370,000               | 188                           | <5                          | 1,870              | <.5                     | <2             | 4,290                         |
|               | 08-Aug-06        | N           |                          | 166,000                  | 25,000                     | <5                       | 13,200                     | 1,390,000               | 188                           | <5                          | 1,830              | <.5                     | <2             | 4,100                         |
|               | 06-Sep-06        | N           |                          | 176,000                  | 27,100                     | <5                       | 14,300                     | 1,440,000               | 207                           | <5                          | 1,940              | <.5                     | <2             | 3,900                         |
|               | 04-Oct-06        | N           |                          | 162,000                  | 22,700                     | <5                       | 13,600                     | 1,400,000               | 210                           | <5                          | 1,800              | <.5                     | <2             | 3,980                         |
|               | 08-Nov-06        | N           |                          | 137,000                  | 21,300                     | <5                       | 10,800                     | 1,280,000               | 215                           | <5                          | 1,660              | <.5                     | <2             | 3,700                         |
|               | 05-Dec-06        | N           |                          | 133,000                  | 19,300                     | <5                       | 11,200                     | 1,210,000               | 233                           | <5                          | 1,560              | <.5                     | <2.0           | 9,360                         |
|               | 03-Jan-07        | N           |                          | 123,000                  | 18,500                     | <5                       | 10,600                     | 1,130,000               | 240                           | <5                          | 1,530              | <.5                     | <2             | 3,490                         |
|               | 07-Feb-07        | N           |                          | 119,000                  | 19,700                     | <5                       | 10,400                     | 1,080,000               | 230                           | <5                          | 1,480              | <.5                     | <2             | 3,310                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>114,000</b>           | <b>17,000</b>              | <b>&lt;5</b>             | <b>9,590</b>               | <b>1,050,000</b>        | <b>250</b>                    | <b>&lt;5</b>                | <b>1,440</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,060</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-4D         | 15-Mar-06        | N           | 95-105                   | 334,000                  | 20,700                     | 5.13                     | 24,800                     | 3,150,000               | 79.4                          | <5                          | 4,350              | <.5                     | <2             | ---                           |
|               | 05-Apr-06        | N           |                          | 339,000                  | 21,100                     | <5                       | 24,000                     | 3,060,000               | 68.1                          | <5                          | 4,450              | <.5                     | <2             | 9,150                         |
|               | 09-May-06        | N           |                          | 339,000                  | 21,100                     | 5.36                     | 24,300                     | 3,200,000               | 69.2                          | <5                          | 4,500              | <2.5                    | <2             | 9,040                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 9,290                         |
|               | 13-May-06        | N           |                          | 339,000                  | 21,000                     | 5.19                     | 24,500                     | 3,200,000               | 69.2                          | <5                          | 4,380              | <1                      | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 23-May-06        | FD          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 30-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 325,000                  | 20,200                     | 5.27                     | 24,200                     | 2,970,000               | 66.2                          | <5                          | 4,850              | <.5                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 341,000                  | 20,800                     | 5.44                     | 25,800                     | 3,230,000               | 71                            | <5                          | 4,000              | <.5                     | <2             | 8,770                         |
|               | 08-Aug-06        | N           |                          | 340,000                  | 20,500                     | 5.07                     | 24,000                     | 3,560,000               | 67                            | <5                          | 4,230              | <.5                     | <2             | 9,060                         |
|               | 06-Sep-06        | N           |                          | 336,000                  | 19,600                     | 5.41                     | 25,600                     | 3,130,000               | 63.8                          | <5                          | 4,610              | <.5                     | <2             | 8,710                         |
|               | 04-Oct-06        | N           |                          | 341,000                  | 16,800                     | 5.29                     | 26,300                     | 3,270,000               | 62.5                          | <5                          | 4,630              | <2.5                    | <2             | 8,770                         |
|               | 04-Oct-06        | FD          |                          | 353,000                  | 17,500                     | 5.66                     | 26,900                     | 3,560,000               | 65                            | <5                          | 4,560              | <2.5                    | <2             | 8,680                         |
|               | 08-Nov-06        | N           |                          | 311,000                  | 18,700                     | 5.44                     | 24,100                     | 3,080,000               | 57.5                          | <5                          | 4,630              | <2.5                    | <2             | 8,900                         |
|               | 05-Dec-06        | N           |                          | 299,000                  | 16,600                     | 5.33                     | 24,700                     | 3,560,000               | 50                            | <5                          | 4,910              | <2.5                    | <2.0           | 3,340                         |
|               | 03-Jan-07        | N           |                          | 340,000                  | 17,800                     | 5.91                     | 24,800                     | 3,380,000               | 52.5                          | <5                          | 4,820              | <2.5                    | <2             | 9,030                         |
|               | 07-Feb-07        | N           |                          | 328,000                  | 19,200                     | 5.48                     | 24,400                     | 3,230,000               | 55                            | <5                          | 4,850              | <.5                     | <2             | 9,070                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>342,000</b>           | <b>19,700</b>              | <b>&lt;5</b>             | <b>24,900</b>              | <b>3,230,000</b>        | <b>75</b>                     | <b>&lt;5</b>                | <b>5,130</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>8,990</b>                  |



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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-5S         | 16-Mar-06        | N           | 35-45                    | 315,000                  | 72,300                     | 8.86                     | 14,200                     | 1,320,000               | 279                           | <5                          | 2,050              | <.5                     | <2             | ---                           |
|               | 07-Apr-06        | N           |                          | 323,000                  | 65,700                     | 9.36                     | 13,800                     | 1,460,000               | 237                           | <5                          | 2,170              | <.5                     | <2             | 5,080                         |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 386,000                  | 84,300                     | 12.7                     | 13,800                     | 1,450,000               | 375                           | <5                          | 2,580              | <.5                     | <2             | 5,460                         |
|               | 09-Aug-06        | N           |                          | 399,000                  | 87,500                     | 13.4                     | 14,100                     | 1,470,000               | 393                           | <5                          | 2,670              | <.5                     | <2             | 5,490                         |
|               | 08-Sep-06        | N           |                          | 427,000                  | 99,100                     | 14.3                     | 15,600                     | 1,540,000               | 421                           | <5                          | 2,610              | <.5                     | <2             | 5,090                         |
|               | 05-Oct-06        | N           |                          | 417,000                  | 87,100                     | 14.5                     | 14,500                     | 1,580,000               | 398                           | <5                          | 2,880              | <.5                     | <2             | 5,380                         |
|               | 09-Nov-06        | N           |                          | 392,000                  | 85,100                     | 15.3                     | 13,300                     | 1,440,000               | 395                           | <5                          | 2,760              | <.5                     | <2             | 5,680                         |
|               | 06-Dec-06        | N           |                          | 413,000                  | 100,000                    | 15.7                     | 13,500                     | 1,540,000               | 425                           | <5                          | 2,700              | <.5                     | <2             | 5,480                         |
|               | 06-Dec-06        | FD          |                          | 432,000                  | 104,000                    | 15.8                     | 14,100                     | 1,590,000               | 443                           | <5                          | 2,720              | <.5                     | <2             | 5,510                         |
|               | 04-Jan-07        | N           |                          | 430,000                  | 111,000                    | 17.1                     | 14,900                     | 1,540,000               | 433                           | <5                          | 2,840              | <.5                     | <2             | 5,500                         |
| PT-5M         | 08-Feb-07        | N           | 60-70                    | 427,000                  | 98,300                     | 15.4                     | 14,400                     | 1,500,000               | 405                           | <5                          | 2,760              | <.5                     | <2             | 5,340                         |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>397,000</b>           | <b>85,900</b>              | <b>15.3</b>              | <b>13,400</b>              | <b>1,500,000</b>        | <b>418</b>                    | <b>&lt;5</b>                | <b>2,930</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>5,490</b>                  |
|               | 16-Mar-06        | N           |                          | 196,000                  | 33,000                     | <5                       | 11,000                     | 1,220,000               | 237                           | <5                          | 1,740              | <.5                     | <2             | ---                           |
|               | 07-Apr-06        | N           |                          | 332,000                  | 72,200                     | 11.1                     | 14,500                     | 1,420,000               | 270                           | <5                          | 2,210              | <.5                     | <2             | 5,050                         |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 132,000                  | 21,900                     | <5                       | 9,330                      | 1,030,000               | 276                           | <5                          | 1,290              | <.5                     | <2             | 2,940                         |
|               | 09-Aug-06        | N           |                          | 109,000                  | 18,800                     | <5                       | 8,700                      | 905,000                 | 266                           | <5                          | 1,150              | <.5                     | <2             | 2,830                         |
|               | 08-Sep-06        | N           |                          | 119,000                  | 20,800                     | <5                       | 9,720                      | 995,000                 | 311                           | <5                          | 1,180              | <.5                     | <2             | 2,780                         |
|               | 05-Oct-06        | N           |                          | 110,000                  | 17,700                     | <5                       | 9,030                      | 9,590,000               | 265                           | <5                          | 1,100              | <.5                     | <2             | 2,660                         |
|               | 09-Nov-06        | N           |                          | 99,900                   | 16,600                     | <5                       | 8,170                      | 870,000                 | 255                           | <5                          | 1,090              | <.5                     | <2             | 2,620                         |
|               | 06-Dec-06        | N           |                          | 122,000                  | 20,700                     | <.50                     | 8,370                      | 947,000                 | 270                           | <5                          | 1,160              | <.5                     | <2             | 2,660                         |
|               | 04-Jan-07        | N           |                          | 143,000                  | 24,400                     | <5                       | 9,230                      | 980,000                 | 230                           | <5                          | 1,270              | <.5                     | <2             | 3,080                         |
|               | 08-Feb-07        | N           |                          | 148,000                  | 25,100                     | <5                       | 9,790                      | 997,000                 | 255                           | <5                          | 1,430              | <.5                     | <2             | 3,210                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>157,000</b>           | <b>25,600</b>              | <b>&lt;5</b>             | <b>9,400</b>               | <b>981,000</b>          | <b>200</b>                    | <b>&lt;5</b>                | <b>1,500</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,150</b>                  |
|               |                  |             |                          |                          |                            |                          |                            |                         |                               |                             |                    |                         |                |                               |

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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-5D         | 16-Mar-06        | N           | 95-105                   | 317,000                  | 21,000                     | <5                       | 24,500                     | 3,150,000               | 62.3                          | <5                          | 4,460              | <.5                     | <2             | ---                           |
|               | 07-Apr-06        | N           |                          | 337,000                  | 73,200                     | 11.5                     | 14,500                     | 1,400,000               | 289                           | <5                          | 2,190              | <.5                     | <2             | 5,030                         |
|               | 12-May-06        | N           |                          | 298,000                  | 20,900                     | <5                       | 24,400                     | 3,300,000               | 93.2                          | <5                          | 4,160              | <.5                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 283,000                  | 17,900                     | <5                       | 23,100                     | 2,980,000               | 96.7                          | <5                          | 4,030              | <.5                     | <2             | 8,150                         |
|               | 09-Aug-06        | N           |                          | 249,000                  | 17,600                     | <5                       | 22,100                     | 2,690,000               | 82.7                          | <5                          | 3,880              | <1                      | <2             | 8,230                         |
|               | 08-Sep-06        | N           |                          | 275,000                  | 18,600                     | <5                       | 24,700                     | 3,110,000               | 68.6                          | <5                          | 4,300              | <1                      | <2             | 8,580                         |
|               | 05-Oct-06        | N           |                          | 277,000                  | 17,300                     | <5                       | 24,000                     | 3,040,000               | 87.5                          | <5                          | 4,570              | <1                      | <2             | 8,250                         |
|               | 09-Nov-06        | N           |                          | 262,000                  | 16,600                     | 5.46                     | 22,700                     | 2,970,000               | 70                            | <5                          | 4,320              | <2.5                    | <2             | 8,600                         |
|               | 06-Dec-06        | N           |                          | 296,000                  | 15,700                     | <5                       | 22,300                     | 3,300,000               | 67.5                          | <5                          | 4,500              | <.5                     | <2             | 8,480                         |
|               | 04-Jan-07        | N           |                          | 324,000                  | 20,700                     | 5.14                     | 24,300                     | 3,400,000               | 75                            | <5                          | 4,890              | <1                      | <2             | 9,030                         |
| PT-6S         | 08-Feb-07        | N           | 35-45                    | 319,000                  | 17,700                     | <5                       | 24,800                     | 309,000                 | 82.5                          | <5                          | 4,740              | <.5                     | <2             | 8,710                         |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>344,000</b>           | <b>21,600</b>              | <b>&lt;5</b>             | <b>24,700</b>              | <b>3,230,000</b>        | <b>110</b>                    | <b>&lt;5</b>                | <b>4,810</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>8,650</b>                  |
|               | 18-Mar-06        | N           |                          | 269,000                  | 157,000                    | 12.6                     | 21,400                     | 1,490,000               | 501                           | <5                          | 2,870              | <.5                     | <2             | ---                           |
|               | 04-Apr-06        | N           |                          | 296,000                  | 153,000                    | 15.2                     | 20,300                     | 1,540,000               | 451                           | <5                          | 2,900              | <.5                     | <2             | 5,940                         |
|               | 13-May-06        | N           |                          | 297,000                  | 147,000                    | 25.5                     | 16,600                     | 1,500,000               | 538                           | <5                          | 2,740              | <1                      | <2             | ---                           |
|               | 22-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 310,400                  | 148,000                    | 29.9                     | 16,400                     | 1,360,000               | 505                           | <5                          | 2,820              | <2.5                    | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 311,000                  | 148,000                    | 30.9                     | 16,700                     | 1,380,000               | 507                           | <5                          | 2,520              | <.5                     | <2             | 5,480                         |
|               | 09-Aug-06        | N           |                          | 318,000                  | 165,000                    | 27.6                     | 17,400                     | 1,440,000               | 474                           | <5                          | 2,680              | <.5                     | <2             | 5,500                         |
|               | 08-Sep-06        | N           |                          | 323,000                  | 156,000                    | 25.5                     | 18,000                     | 1,600,000               | 573                           | <5                          | 2,940              | <1                      | <2             | 5,560                         |
|               | 05-Oct-06        | N           |                          | 322,000                  | 147,000                    | 33.9                     | 16,500                     | 1,550,000               | 550                           | <5                          | 2,890              | <2.5                    | <2             | 5,170                         |
|               | 09-Nov-06        | N           |                          | 337,000                  | 170,000                    | 34                       | 16,700                     | 1,620,000               | 565                           | <5                          | 3,200              | <.5                     | 2              | 6,200                         |
|               | 06-Dec-06        | N           |                          | 372,000                  | 214,000                    | 37                       | 16,900                     | 1,840,000               | 575                           | <5                          | <.5                | <.5                     | <2             | 6,330                         |
|               | 04-Jan-07        | N           |                          | 382,000                  | 206,000                    | 39.6                     | 17,900                     | 1,900,000               | 575                           | <5                          | 3,720              | <1                      | <2             | 6,920                         |
|               | 08-Feb-07        | N           | 35-45                    | 353,000                  | 192,000                    | 36.1                     | 17,300                     | 1,700,000               | 585                           | <5                          | 3,700              | <.5                     | <2             | 7,090                         |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>324,000</b>           | <b>159,000</b>             | <b>37.1</b>              | <b>15,800</b>              | <b>1,560,000</b>        | <b>485</b>                    | <b>&lt;5</b>                | <b>3,040</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>5,510</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PT-6M         | 16-Mar-06        | N           | 60-70                    | 230,000                  | 39,700                     | <5                       | 11,800                     | 1,300,000               | 227                           | <5                          | 1,840              | <.5                     | <2             | ---                           |
|               | 04-Apr-06        | N           |                          | 238,000                  | 43,400                     | <5                       | 12,800                     | 1,392,000               | 227                           | <5                          | 1,980              | <.5                     | <2             | 4,340                         |
|               | 13-May-06        | N           |                          | 224,000                  | 39,100                     | <5                       | 12,300                     | 1,390,000               | 210                           | <5                          | 2,030              | <.5                     | <2             | ---                           |
|               | 23-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 228,000                  | 38,700                     | <5                       | 12,400                     | 1,300,000               | 226                           | <5                          | 2,080              | <.5                     | <2             | ---                           |
|               | 19-Jul-06        | N           |                          | 212,000                  | 36,800                     | <5                       | 12,300                     | 1,290,000               | 241                           | <5                          | 1,730              | <.5                     | <2             | 4,020                         |
|               | 09-Aug-06        | N           |                          | 188,000                  | 35,300                     | <5                       | 11,800                     | 1,190,000               | 237                           | <5                          | 1,660              | <.5                     | <2             | 3,940                         |
|               | 08-Sep-06        | N           |                          | 192,000                  | 36,400                     | <5                       | 12,300                     | 1,230,000               | 264                           | <5                          | 1,670              | <.5                     | <2             | 3,630                         |
|               | 05-Oct-06        | N           |                          | 186,000                  | 31,000                     | <5                       | 11,200                     | 1,210,000               | 243                           | <5                          | 1,660              | <.5                     | <2             | 3,780                         |
|               | 09-Nov-06        | N           |                          | 173,000                  | 31,300                     | <5                       | 10,800                     | 1,090,000               | 248                           | <5                          | 1,610              | <.5                     | <2             | 3,620                         |
|               | 06-Dec-06        | N           |                          | 192,000                  | 35,700                     | <5.0                     | 10,600                     | 1,190,000               | 240                           | <5                          | 1,610              | <.5                     | <2             | 3,510                         |
|               | 04-Jan-07        | N           |                          | 189,000                  | 35,200                     | <5                       | 10,800                     | 1,140,000               | 250                           | <5                          | 1,630              | <.5                     | <2             | 3,650                         |
| PT-6D         | 08-Feb-07        | N           | 95-105                   | 180,000                  | 33,200                     | <5                       | 10,900                     | 1,100,000               | 235                           | <5                          | 1,700              | <.5                     | <2             | 3,530                         |
|               | <b>07-Mar-07</b> | <b>N</b>    |                          | <b>185,000</b>           | <b>31,400</b>              | <b>&lt;5</b>             | <b>10,500</b>              | <b>1,100,000</b>        | <b>238</b>                    | <b>&lt;5</b>                | <b>1,740</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>3,450</b>                  |
|               | 16-Mar-06        | N           |                          | 245,000                  | 16,200                     | <5                       | 19,900                     | 2,600,000               | 102                           | <5                          | 3,630              | <.5                     | <2             | ---                           |
|               | 04-Apr-06        | N           |                          | 239,000                  | 17,500                     | <5                       | 19,800                     | 2,620,000               | 97.3                          | <5                          | 3,420              | <.5                     | <2             | 7,140                         |
|               | 13-May-06        | N           |                          | 216,000                  | 14,900                     | <5                       | 19,100                     | 2,590,000               | 104                           | <5                          | 3,310              | <1                      | <2             | ---                           |
|               | 22-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 06-Jun-06        | N           |                          | 187,000                  | 13,200                     | <5                       | 17,300                     | 2,210,000               | 118                           | <5                          | 3,380              | <.5                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 188,000                  | 12,100                     | <5                       | 17,000                     | 2,220,000               | 120                           | <5                          | 2,790              | <.5                     | <2             | 6,210                         |
|               | 09-Aug-06        | N           |                          | 184,000                  | 13,300                     | <5                       | 18,200                     | 2,240,000               | 116                           | <5                          | 3,050              | <.5                     | <2             | 6,480                         |
|               | 08-Sep-06        | N           |                          | 234,000                  | 16,500                     | <5                       | 21,000                     | 2,580,000               | 90.6                          | <5                          | 3,600              | <.5                     | <2             | 7,040                         |
|               | 05-Oct-06        | N           |                          | 199,000                  | 12,400                     | <5                       | 19,300                     | 2,470,000               | 110                           | <5                          | 3,350              | <.5                     | <2             | 6,330                         |
|               | 09-Nov-06        | N           |                          | 189,000                  | 12,400                     | <5                       | 18,100                     | 2,250,000               | 110                           | <5                          | 3,260              | <.5                     | <2             | 6,470                         |
|               | 09-Nov-06        | FD          |                          | 190,000                  | 12,400                     | <5                       | 18,100                     | 2,290,000               | 108                           | <5                          | 3,480              | <.5                     | <2             | 6,650                         |
|               | 06-Dec-06        | N           |                          | 208,000                  | 13,800                     | <5.0                     | 17,300                     | 2,410,000               | 108                           | <5                          | 3,570              | <.5                     | <2             | 6,620                         |
|               | 04-Jan-07        | N           |                          | 245,000                  | 22,000                     | <5                       | 19,700                     | 2,580,000               | 108                           | <5                          | 3,590              | <.5                     | <2             | 7,170                         |
|               | 08-Feb-07        | N           |                          | 203,000                  | 11,700                     | <5                       | 18,900                     | 2,370,000               | 105                           | <5                          | 3,540              | <.5                     | <2             | 6,630                         |
|               | <b>08-Mar-07</b> | <b>N</b>    |                          | <b>200,000</b>           | <b>16,600</b>              | <b>&lt;5</b>             | <b>17,600</b>              | <b>2,310,000</b>        | <b>110</b>                    | <b>&lt;5</b>                | <b>3,400</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>6,220</b>                  |

**Table 4**  
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PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PTI-1S        | 15-Mar-06        | N           | 35-45                    | 266,000                  | 88,200                     | 13.2                     | 11,600                     | 980,000                 | 375                           | <5                          | 1,730              | <.5                     | <2             | ---                           |
|               | 05-Apr-06        | N           |                          | 266,000                  | 88,200                     | 7.18                     | 11,200                     | 996,000                 | 357                           | <5                          | 1,760              | <.5                     | <2             | 3,810                         |
|               | 06-May-06        | N           |                          | 155,000                  | 14,100                     | <5                       | 30,900                     | 992,000                 | 602                           | <5                          | 798                | <2.5                    | <2             | 3,930                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,040                         |
|               | 18-Jul-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,770                         |
|               | 07-Aug-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,080                         |
|               | 07-Sep-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,940                         |
|               | 03-Oct-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,830                         |
|               | 07-Nov-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,120                         |
|               | 05-Dec-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | 500                           | <5                          | 2,050              | <.5                     | ---            | 3,890                         |
|               | 02-Jan-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,740                         |
|               | 06-Feb-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,890                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | <b>&lt;.5</b>           | ---            | <b>3,870</b>                  |
| PTI-1M        | 15-Mar-06        | N           | 60-70                    | 223,000                  | 33,200                     | <5                       | 12,200                     | 1,360,000               | 179                           | <5                          | 1,910              | <.5                     | <2             | ---                           |
|               | 04-Apr-06        | N           |                          | 226,000                  | 37,700                     | <5                       | 12,800                     | 1,480,000               | 180                           | <5                          | 2,050              | <.5                     | <2             | 4,450                         |
|               | 06-May-06        | N           |                          | 130,000                  | 17,700                     | 26.5                     | 20,400                     | 1,320,000               | 383                           | <5                          | 1,080              | <.5                     | <2             | 4,450                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,480                         |
|               | 18-Jul-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,160                         |
|               | 07-Aug-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,190                         |
|               | 07-Sep-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,980                         |
|               | 03-Oct-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,860                         |
|               | 07-Nov-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,670                         |
|               | 05-Dec-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | 225                           | <5                          | 1,670              | <.5                     | ---            | 3,650                         |
|               | 02-Jan-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,490                         |
|               | 06-Feb-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 3,300                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | <b>&lt;.5</b>           | ---            | <b>3,250</b>                  |

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Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| PTI-1D        | 15-Mar-06        | N           | 95-105                   | 289,000                  | 21,500                     | <5                       | 23,600                     | 2,470,000               | 134                           | <5                          | 3,420              | <.5                     | <2             | ---                           |
|               | 03-Apr-06        | N           |                          | 267,000                  | 18,000                     | <5                       | 21,700                     | 2,600,000               | 99.7                          | <5                          | 3,620              | <.5                     | <2             | 8,080                         |
|               | 10-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,530                         |
|               | 18-Jul-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 6,730                         |
|               | 07-Aug-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,300                         |
|               | 05-Sep-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 6,790                         |
|               | 03-Oct-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,310                         |
|               | 07-Nov-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,840                         |
|               | 05-Dec-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | 72.5                          | <5                          | 4,580              | <.5                     | ---            | 8,710                         |
|               | 02-Jan-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,200                         |
|               | 06-Feb-07        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 7,370                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | <b>&lt;.5</b>           | ---            | <b>7,170</b>                  |
| PE-1          | 17-Mar-06        | N           | 79 - 89                  | 261,000                  | 37,400                     | <5                       | 19,700                     | 2,200,000               | 277                           | <5                          | 2,990              | <.5                     | <2             | ---                           |
|               | 05-Apr-06        | N           |                          | 263,000                  | 36,400                     | <5                       | 19,600                     | 2,090,000               | 256                           | <5                          | 3,110              | <.5                     | <2             | 6,580                         |
|               | 01-Jun-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 17-Jul-06        | N           |                          | 252,000                  | 35,200                     | <5                       | 18,300                     | 2,020,000               | 267                           | <5                          | 2,710              | <.5                     | <2             | 5,910                         |
|               | 07-Aug-06        | N           |                          | 230,000                  | 34,800                     | <5                       | 18,100                     | 1,970,000               | 255                           | <5                          | 2,570              | <.5                     | <2             | 5,910                         |
|               | 07-Aug-06        | FD          |                          | 235,000                  | 35,600                     | <5                       | 17,900                     | 2,000,000               | 274                           | <5                          | 2,550              | <.5                     | <2             | 5,960                         |
|               | 06-Sep-06        | N           |                          | 227,000                  | 34,700                     | <5                       | 18,400                     | 1,930,000               | 268                           | <5                          | 2,670              | <.5                     | <2             | 5,370                         |
|               | 03-Oct-06        | N           |                          | 234,000                  | 32,800                     | <50                      | 18,400                     | 1,860,000               | 268                           | <5                          | 2,630              | <0.5                    | <2             | 5,710                         |
|               | 03-Oct-06        | FD          |                          | 242,000                  | 34,000                     | <50                      | 18,900                     | 1,920,000               | 263                           | <5                          | 2,750              | <0.5                    | <2             | 5,580                         |
|               | 07-Nov-06        | N           |                          | 204,000                  | 30,300                     | <5                       | 16,200                     | 1,790,000               | 263                           | <5                          | 2,750              | <.5                     | <2             | 3,180                         |
|               | 06-Dec-06        | N           |                          | 225,000                  | 35,200                     | <5.0                     | 16,200                     | 1,860,000               | 275                           | <5                          | 2,400              | <.5                     | <2             | 5,340                         |
|               | 02-Jan-07        | N           |                          | 211,000                  | 32,800                     | <5                       | 16,300                     | 1,800,000               | 275                           | <5                          | 2,430              | <.5                     | <2             | 5,370                         |
|               | 06-Feb-07        | N           |                          | 212,000                  | 34,400                     | <5                       | 16,300                     | 1,670,000               | 270                           | <5                          | 2,550              | <.5                     | <2             | 5,200                         |
|               | 06-Feb-07        | FD          |                          | 211,000                  | 34,600                     | <5                       | 16,500                     | 1,670,000               | 265                           | <5                          | 2,550              | <.5                     | <2             | 5,210                         |
|               | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>208,000</b>           | <b>32,700</b>              | <b>&lt;5</b>             | <b>15,800</b>              | <b>1,730,000</b>        | <b>260</b>                    | <b>&lt;5</b>                | <b>2,540</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>5,220</b>                  |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name   | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|-----------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| TW-2D           | 17-Mar-06        | N           | 113 - 148                | 207,000                  | 23,600                     | <5                       | 13,200                     | 1,240,000               | 110                           | <5                          | 1,920              | <.5                     | <2             | ---                           |
|                 | 05-Apr-06        | N           |                          | 231,000                  | 25,800                     | <5                       | 14,700                     | 1,400,000               | 112                           | <5                          | 2,070              | <.5                     | <2             | 4,390                         |
|                 | 19-Jul-06        | N           |                          | 241,000                  | 29,900                     | <5                       | 15,000                     | 1,460,000               | 119                           | <5                          | 1,980              | <.5                     | <2             | 4,580                         |
|                 | 07-Aug-06        | N           |                          | 242,000                  | 29,700                     | <5                       | 14,600                     | 1,450,000               | 102                           | <5                          | 1,690              | <.5                     | <2             | 3,900                         |
|                 | 06-Sep-06        | N           |                          | 262,000                  | 32,500                     | <5                       | 16,400                     | 1,580,000               | 122                           | <5                          | 1,470              | <.5                     | <2             | 4,420                         |
|                 | 04-Oct-06        | N           |                          | 261,000                  | 27,600                     | <5                       | 16,100                     | 1,720,000               | 115                           | <5                          | 2,480              | <.5                     | <2             | 4,900                         |
|                 | 08-Nov-06        | N           |                          | 243,000                  | 30,000                     | <5                       | 14,300                     | 1,500,000               | 110                           | <5                          | 2,190              | <.5                     | <2             | 3,850                         |
|                 | 06-Dec-06        | N           |                          | 258,000                  | 41,300                     | <5.0                     | 11,700                     | 954,000                 | 110                           | <5                          | 1,950              | <.5                     | <2             | 290                           |
|                 | 02-Jan-07        | N           |                          | 248,000                  | 33,300                     | <5                       | 14,100                     | 1,450,000               | 97.5                          | <5                          | 1,370              | <.5                     | <2             | 3,480                         |
|                 | 06-Feb-07        | N           |                          | 261,000                  | 36,100                     | <5                       | 14,100                     | 1,320,000               | 110                           | <5                          | 1,630              | <.5                     | <2             | 4,220                         |
|                 | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>280,000</b>           | <b>37,600</b>              | <b>&lt;5</b>             | <b>15,100</b>              | <b>1,590,000</b>        | <b>130</b>                    | <b>&lt;5</b>                | <b>2,500</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>4,790</b>                  |
| TW-3D           | 17-Mar-06        | N           | 111 - 156                | 254,000                  | 27,700                     | <5                       | 15,900                     | 1,540,000               | 97.3                          | <5                          | 2,190              | <.5                     | <2             | ---                           |
|                 | 05-Apr-06        | N           |                          | 283,000                  | 28,800                     | <5                       | 17,900                     | 1,740,000               | 89.9                          | <5                          | 2,580              | <.5                     | <2             | 5,580                         |
|                 | 19-Jul-06        | N           |                          | 265,000                  | 29,100                     | <5                       | 17,200                     | 1,720,000               | 98.9                          | <5                          | 2,610              | <.5                     | <2             | 5,410                         |
|                 | 07-Aug-06        | N           |                          | 272,000                  | 28,800                     | <5                       | 16,900                     | 1,790,000               | 96.5                          | <5                          | 2,480              | <.5                     | <2             | 5,490                         |
|                 | 06-Sep-06        | N           |                          | 274,000                  | 29,400                     | <5                       | 18,400                     | 1,800,000               | 102                           | <5                          | 2,670              | <1                      | <2             | 5,240                         |
|                 | 04-Oct-06        | N           |                          | 272,000                  | 26,800                     | <5                       | 18,100                     | 1,700,000               | 175                           | <5                          | 2,430              | <1                      | <2             | 4,880                         |
|                 | 08-Nov-06        | N           |                          | 257,000                  | 26,900                     | <5                       | 16,500                     | 1,690,000               | 92.5                          | <5                          | 2,790              | <.5                     | <2             | 5,280                         |
|                 | 06-Dec-06        | N           |                          | 277,000                  | 30,000                     | <5                       | 16,400                     | 1,760,000               | 97.5                          | <5                          | 2,470              | <.5                     | <2             | 5,220                         |
|                 | 02-Jan-07        | N           |                          | 269,000                  | 29,700                     | <5                       | 16,800                     | 1,690,000               | 95                            | <5                          | 2,580              | <.5                     | <2             | 5,210                         |
|                 | 06-Feb-07        | N           |                          | 277,000                  | 31,500                     | <5                       | 17,100                     | 1,610,000               | 105                           | <5                          | 2,740              | <.5                     | <2             | 5,370                         |
|                 | <b>06-Mar-07</b> | <b>N</b>    |                          | <b>280,000</b>           | <b>32,100</b>              | <b>&lt;5</b>             | <b>16,700</b>              | <b>1,740,000</b>        | <b>100</b>                    | <b>&lt;5</b>                | <b>2,840</b>       | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>5,660</b>                  |
| INJ_SOLUTION_01 | 04-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 2,240                         |
| INJ_SOLUTION_02 | 05-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,650                         |
| INJ_SOLUTION_03 | 06-May-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,460                         |
|                 | 11-Aug-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | <10                           |
|                 | 07-Sep-06        | N           |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | ---            | 4,950                         |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|---------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| Field Blank   | 17-Mar-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 2,040                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|               | 04-Apr-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | <10                           |
|               | 09-May-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|               | 13-May-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|               | 24-May-06        | FB          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 01-Jun-06        | FB          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|               | 05-Jun-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|               | 17-Jul-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | 10                            |
|               | 07-Aug-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | 25                            |
|               | 06-Sep-06        | FB          |                          | 2,930                    | <1000                      | <5                       | <1000                      | 7,980                   | 8.28                          | <5                          | 10.4               | <.5                     | <2             | 15                            |
|               | 03-Oct-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 2,440                   | <5                            | <5                          | <0.5               | <0.5                    | <2             | 30                            |
|               | 07-Nov-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|               | 05-Dec-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2.0           | 25                            |
|               | 03-Jan-07        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 2,340                   | <5                            | <5                          | 0.789              | <.5                     | <2             | 50                            |
|               | 06-Feb-07        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | <10                           |
|               | <b>06-Mar-07</b> | <b>FB</b>   |                          | <b>&lt;1000</b>          | <b>&lt;1000</b>            | <b>&lt;5</b>             | <b>&lt;1000</b>            | <b>1,480</b>            | <b>&lt;5</b>                  | <b>&lt;5</b>                | <b>&lt;.5</b>      | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>10</b>                     |

**Table 4**  
**Summary of Secondary Analytical Parameters**

PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Report for the Floodplain Reductive Zone In-Situ Pilot Test

| Location Name   | Sample Date      | Sample Type | Screen Interval (ft bgs) | Dissolved Calcium (µg/L) | Dissolved Magnesium (µg/L) | Dissolved Arsenic (µg/L) | Dissolved Potassium (µg/L) | Dissolved Sodium (µg/L) | Alkalinity bicarbonate (mg/L) | Alkalinity carbonate (mg/L) | Chloride-cl (mg/L) | Orthophosphate-p (mg/L) | Sulfide (mg/L) | Total Dissolved Solids (mg/L) |
|-----------------|------------------|-------------|--------------------------|--------------------------|----------------------------|--------------------------|----------------------------|-------------------------|-------------------------------|-----------------------------|--------------------|-------------------------|----------------|-------------------------------|
| Equipment Blank | 17-Mar-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 5,360                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|                 | 07-Apr-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 1,500                   | <5                            | <5                          | <.5                | <.5                     | <2             | <10                           |
|                 | 09-May-06        | FB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|                 | 13-May-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|                 | 24-May-06        | EB          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|                 | 01-Jun-06        | EB          |                          | ---                      | ---                        | ---                      | ---                        | ---                     | ---                           | ---                         | ---                | ---                     | <2             | ---                           |
|                 | 05-Jun-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|                 | 17-Jul-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | 15                            |
|                 | 07-Aug-06        | EB          |                          | 3,700                    | 1,100                      | <5                       | <1000                      | 1,370                   | 12.9                          | <5                          | 0.832              | <.5                     | <2             | 20                            |
|                 | 06-Sep-06        | EB          |                          | 2,860                    | <1000                      | <5                       | <1000                      | 7,800                   | 7.79                          | <5                          | 9.62               | <.5                     | <2             | <10                           |
|                 | 04-Oct-06        | EB          |                          | 9,340                    | <1000                      | <5                       | <1000                      | 5,440                   | <5                            | <5                          | 14.9               | <.5                     | <2             | 35                            |
|                 | 07-Nov-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | ---                           |
|                 | 06-Dec-06        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 38,800                  | 75                            | <5                          | 5.84               | <.5                     | <2             | 120                           |
|                 | 03-Jan-07        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | 1,860                   | <5                            | <5                          | 0.772              | <.5                     | <2             | 35                            |
|                 | 06-Feb-07        | EB          |                          | <1000                    | <1000                      | <5                       | <1000                      | <1000                   | <5                            | <5                          | <.5                | <.5                     | <2             | 10                            |
|                 | <b>06-Mar-07</b> | <b>EB</b>   |                          | <b>&lt;1000</b>          | <b>&lt;1000</b>            | <b>&lt;5</b>             | <b>&lt;1000</b>            | <b>1,490</b>            | <b>&lt;5</b>                  | <b>&lt;5</b>                | <b>&lt;.5</b>      | <b>&lt;.5</b>           | <b>&lt;2</b>   | <b>10</b>                     |

Notes appear on the following page.

Notes:

Most recent data indicated in **BOLD**

|           |                                                                                |
|-----------|--------------------------------------------------------------------------------|
| ft bgs    | Feet below ground                                                              |
| mg/L      | Milligrams per liter                                                           |
| µg/L      | Micrograms per liter                                                           |
| <         | Symbol indicates not detected at or above laboratory detection limit as noted. |
| EB        | Equipment blank                                                                |
| FB        | Field blank                                                                    |
| FD        | Field duplicate                                                                |
| N         | Normal                                                                         |
| NA        | Not applicable                                                                 |
| Dissolved | Samples were field filtered with a 0.45 micron filter.                         |
| ---       | Not analyzed/not sampled                                                       |



**Table 5**  
**Summary of Monitoring Information**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-1S    | PT-01S-20070307 | Michael Gallagher | 3/7/2007    | 09:33 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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PG&E Topock  
Needles, California

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-1M    | PT-01M-20070306 | Michael Gallagher | 3/6/2007    | 02:43 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

**Table 5**  
**Summary of Monitoring Information**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-1D    | PT-01D-20070306 | Michael Gallagher | 3/6/2007    | 01:40 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-2S    | PT-02S-20070307 | Michael Gallagher | 3/7/2007    | 12:45 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-2M    | PT-02M-20070307 | Michael Gallagher | 3/7/2007    | 11:52 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-2D    | PT-02D-20070307 | Michael Gallagher | 3/7/2007    | 10:58 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-3S    | PT-03S-20070307 | David Magallanes | 3/7/2007    | 09:40 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID        | Sampler Name     | Sample Date | Sample Time | Lab       | Analysis Method     | Parameter              | Analysis Date | Lab Technician    |
|----------|------------------|------------------|-------------|-------------|-----------|---------------------|------------------------|---------------|-------------------|
| PT-3S    | PT-03S-20070307D | David Magallanes | 3/7/2007    |             | EMXT      | E160.1              | Total Dissolved Solids | 3/12/2007     | Tina Hoang        |
|          |                  |                  |             |             | EMXT      | E300.0              | Bromide                | 3/8/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Chloride-cl            | 3/9/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Iodide                 | 3/8/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Nitrate-n              | 3/8/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Nitrite-n              | 3/8/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Orthophosphate-p       | 3/8/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E300.0              | Sulfate                | 3/9/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT      | E310.1              | Alkalinity             | 3/13/2007     | Jennie Jiang      |
|          |                  |                  |             |             | EMXT      | E310.1              | Alkalinity bicarbonate | 3/13/2007     | Jennie Jiang      |
|          |                  |                  |             |             | EMXT      | E310.1              | Alkalinity carbonate   | 3/13/2007     | Jennie Jiang      |
|          |                  |                  |             |             | EMXT      | E376.1              | Sulfide                | 3/14/2007     | Kam Ng            |
|          |                  |                  |             |             | EMXT      | E415.1              | Total Organic Carbon   | 3/12/2007     | Michael Amador    |
|          |                  |                  |             |             | Ozark     | OHM In-House Method | Fluorescein            | 3/13/2007     | Margaret Ridinger |
|          |                  |                  |             |             | EMXT      | SW6010B             | Iron-Total             | 3/13/2007     | Chris Capulong    |
|          |                  |                  |             |             | EMXT      | SW6020A             | Arsenic                | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Calcium                | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Chromium               | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Iron-Dissolved         | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Magnesium              | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Manganese              | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Potassium              | 3/14/2007     | Jon Elliot        |
|          |                  |                  |             |             | EMXT      | SW6020A             | Sodium                 | 3/13/2007     | Jon Elliot        |
|          |                  |                  |             |             | Truesdail | SW7199              | Chromium, hexavalent   | 3/8/2007      | Faisal Raihan     |



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|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-3M    | PT-03M-20070306 | David Magallanes | 3/6/2007    | 02:35 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-3D    | PT-03D-20070306 | David Magallanes | 3/6/2007    | 01:48 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-4S    | PT-04S-20070307 | David Magallanes | 3/7/2007    | 11:50 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-4M    | PT-04M-20070307 | David Magallanes | 3/7/2007    | 12:40 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-4D    | PT-04D-20070307 | David Magallanes | 3/7/2007    | 11:00 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-5S    | PT-05S-20070308 | Michael Gallagher | 3/8/2007    | 09:37 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/14/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/14/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/9/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-5M    | PT-05M-20070307 | Michael Gallagher | 3/7/2007    | 02:55 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name      | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|-------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-5D    | PT-05D-20070308 | Michael Gallagher | 3/8/2007    | 10:45 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/14/2007     | Tina Hoang        |
|          |                 |                   |             |             | EMXT          | E300.0              | Bromide                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Iodide                     | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                   |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                   |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                   |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/8/2007      | Gary Clift        |
|          |                 |                   |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/14/2007     | Margaret Ridinger |
|          |                 |                   |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                   |             |             | EMXT          | SW6020A             | Arsenic                    | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Calcium                    | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Chromium                   | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Magnesium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Manganese                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Potassium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | EMXT          | SW6020A             | Sodium                     | 3/19/2007     | Jon Elliot        |
|          |                 |                   |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/9/2007      | Faisal Raihan     |



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|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-6S    | PT-06S-20070308 | David Magallanes | 3/8/2007    | 09:30 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/14/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/8/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/14/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/9/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-6M    | PT-06M-20070307 | David Magallanes | 3/7/2007    | 02:57 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/8/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/7/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/8/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PT-6D    | PT-06D-20070308 | David Magallanes | 3/8/2007    | 10:40 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/14/2007     | Tina Hoang        |
|          |                 |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Chloride-cl                | 3/13/2007     | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E300.0              | Sulfate                    | 3/9/2007      | Jane Osorio       |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity                 | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/13/2007     | Jennie Jiang      |
|          |                 |                  |             |             | EMXT          | E376.1              | Sulfide                    | 3/14/2007     | Kam Ng            |
|          |                 |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/12/2007     | Michael Amador    |
|          |                 |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/8/2007      | Gary Clift        |
|          |                 |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/14/2007     | Margaret Ridinger |
|          |                 |                  |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/13/2007     | Chris Capulong    |
|          |                 |                  |             |             | EMXT          | SW6020A             | Arsenic                    | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Calcium                    | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Chromium                   | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Magnesium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Manganese                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Potassium                  | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | EMXT          | SW6020A             | Sodium                     | 3/19/2007     | Jon Elliot        |
|          |                 |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/9/2007      | Faisal Raihan     |

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| Location | Sample ID        | Sampler Name     | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|------------------|------------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PTI-1S   | PTI-01S-20070306 | David Magallanes | 3/6/2007    | 11:20 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                  |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                  |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
| PTI-1M   | PTI-01M-20070306 | David Magallanes | 3/6/2007    | 10:51 AM    | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                  |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |
|          |                  |                  |             |             | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                  |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
| PTI-1D   | PTI-01D-20070306 | David Magallanes | 3/6/2007    | 10:10 AM    | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                  |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                  |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                  |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |
|          |                  |                  |             |             | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                  |                  |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                  |                  |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/8/2007      | Michael Amador    |
|          |                  |                  |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                  |                  |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                  |                  |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location | Sample ID      | Sampler Name | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|----------------|--------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| PE-1     | PE-01-20070306 | Gary Clift   | 3/6/2007    | 10:15 AM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                |              |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                |              |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                |              |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                |              |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                |              |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                |              |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/8/2007      | Michael Amador    |
|          |                |              |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                |              |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                |              |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                |              |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                |              |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                |              |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|--------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| TW-2D    | TW-02D-20070306 | Gary Clift   | 3/6/2007    | 02:30 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |              |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |              |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |              |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |              |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |              |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |              |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |              |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location | Sample ID       | Sampler Name | Sample Date | Sample Time | Lab           | Analysis Method     | Parameter                  | Analysis Date | Lab Technician    |
|----------|-----------------|--------------|-------------|-------------|---------------|---------------------|----------------------------|---------------|-------------------|
| TW-3D    | TW-03D-20070306 | Gary Clift   | 3/6/2007    | 02:00 PM    | EMXT          | E160.1              | Total Dissolved Solids     | 3/12/2007     | Tina Hoang        |
|          |                 |              |             |             | EMXT          | E300.0              | Bromide                    | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Chloride-cl                | 3/8/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Iodide                     | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Nitrate-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Nitrite-n                  | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Orthophosphate-p           | 3/7/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E300.0              | Sulfate                    | 3/8/2007      | Jane Osorio       |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity                 | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity bicarbonate     | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E310.1              | Alkalinity carbonate       | 3/9/2007      | Jennie Jiang      |
|          |                 |              |             |             | EMXT          | E376.1              | Sulfide                    | 3/12/2007     | Kam Ng            |
|          |                 |              |             |             | EMXT          | E415.1              | Total Organic Carbon       | 3/9/2007      | Michael Amador    |
|          |                 |              |             |             | FieldAnalysis | IM-3                | Chromium, hexavalent-Field | 3/6/2007      | Gary Clift        |
|          |                 |              |             |             | Ozark         | OHM In-House Method | Fluorescein                | 3/13/2007     | Margaret Ridinger |
|          |                 |              |             |             | EMXT          | SW6010B             | Iron-Total                 | 3/10/2007     | Chris Capulong    |
|          |                 |              |             |             | EMXT          | SW6020A             | Arsenic                    | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Calcium                    | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Chromium                   | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Iron-Dissolved             | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Magnesium                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Manganese                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Potassium                  | 3/14/2007     | Jon Elliot        |
|          |                 |              |             |             | EMXT          | SW6020A             | Sodium                     | 3/13/2007     | Jon Elliot        |
|          |                 |              |             |             | Truesdail     | SW7199              | Chromium, hexavalent       | 3/7/2007      | Faisal Raihan     |

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| Location    | Sample ID   | Sampler Name | Sample Date | Sample Time | Lab       | Analysis Method     | Parameter              | Analysis Date | Lab Technician    |
|-------------|-------------|--------------|-------------|-------------|-----------|---------------------|------------------------|---------------|-------------------|
| Field Blank | FB-20070306 | Gary Clift   | 3/6/2007    | 10:00 AM    | EMXT      | E160.1              | Total Dissolved Solids | 3/12/2007     | Tina Hoang        |
|             |             |              |             |             | EMXT      | E300.0              | Bromide                | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Chloride-cl            | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Iodide                 | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Nitrate-n              | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Nitrite-n              | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Orthophosphate-p       | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E300.0              | Sulfate                | 3/7/2007      | Jane Osorio       |
|             |             |              |             |             | EMXT      | E310.1              | Alkalinity             | 3/9/2007      | Jennie Jiang      |
|             |             |              |             |             | EMXT      | E310.1              | Alkalinity bicarbonate | 3/9/2007      | Jennie Jiang      |
|             |             |              |             |             | EMXT      | E310.1              | Alkalinity carbonate   | 3/9/2007      | Jennie Jiang      |
|             |             |              |             |             | EMXT      | E376.1              | Sulfide                | 3/12/2007     | Kam Ng            |
|             |             |              |             |             | EMXT      | E415.1              | Total Organic Carbon   | 3/8/2007      | Michael Amador    |
|             |             |              |             |             | Ozark     | OHM In-House Method | Fluorescein            | 3/13/2007     | Margaret Ridinger |
|             |             |              |             |             | EMXT      | SW6010B             | Iron-Total             | 3/10/2007     | Chris Capulong    |
|             |             |              |             |             | EMXT      | SW6020A             | Arsenic                | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Calcium                | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Chromium               | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Iron-Dissolved         | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Magnesium              | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Manganese              | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Potassium              | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | EMXT      | SW6020A             | Sodium                 | 3/13/2007     | Jon Elliot        |
|             |             |              |             |             | Truesdail | SW7199              | Chromium, hexavalent   | 3/7/2007      | Faisal Raihan     |



**Table 5**  
**Summary of Monitoring Information**  
PG&E Topock  
Needles, California

March 2007 and First Quarter 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

| Location        | Sample ID   | Sampler Name | Sample Date | Sample Time | Lab       | Analysis Method     | Parameter              | Analysis Date | Lab Technician    |
|-----------------|-------------|--------------|-------------|-------------|-----------|---------------------|------------------------|---------------|-------------------|
| Equipment Blank | EB-20070306 | Gary Clift   | 3/6/2007    | 11:10 AM    | EMXT      | E160.1              | Total Dissolved Solids | 3/12/2007     | Tina Hoang        |
|                 |             |              |             |             | EMXT      | E300.0              | Bromide                | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Chloride-cl            | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Iodide                 | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Nitrate-n              | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Nitrite-n              | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Orthophosphate-p       | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E300.0              | Sulfate                | 3/7/2007      | Jane Osorio       |
|                 |             |              |             |             | EMXT      | E310.1              | Alkalinity             | 3/9/2007      | Jennie Jiang      |
|                 |             |              |             |             | EMXT      | E310.1              | Alkalinity bicarbonate | 3/9/2007      | Jennie Jiang      |
|                 |             |              |             |             | EMXT      | E310.1              | Alkalinity carbonate   | 3/9/2007      | Jennie Jiang      |
|                 |             |              |             |             | EMXT      | E376.1              | Sulfide                | 3/12/2007     | Kam Ng            |
|                 |             |              |             |             | EMXT      | E415.1              | Total Organic Carbon   | 3/8/2007      | Michael Amador    |
|                 |             |              |             |             | Ozark     | OHM In-House Method | Fluorescein            | 3/13/2007     | Margaret Ridinger |
|                 |             |              |             |             | EMXT      | SW6010B             | Iron-Total             | 3/10/2007     | Chris Capulong    |
|                 |             |              |             |             | EMXT      | SW6020A             | Arsenic                | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Calcium                | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Chromium               | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Iron-Dissolved         | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Magnesium              | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Manganese              | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Potassium              | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | EMXT      | SW6020A             | Sodium                 | 3/13/2007     | Jon Elliot        |
|                 |             |              |             |             | Truesdail | SW7199              | Chromium, hexavalent   | 3/7/2007      | Faisal Raihan     |

Notes appear on the following page.

**Table 5**  
**Summary of Monitoring Information**

PG&E Topock  
Needles, California

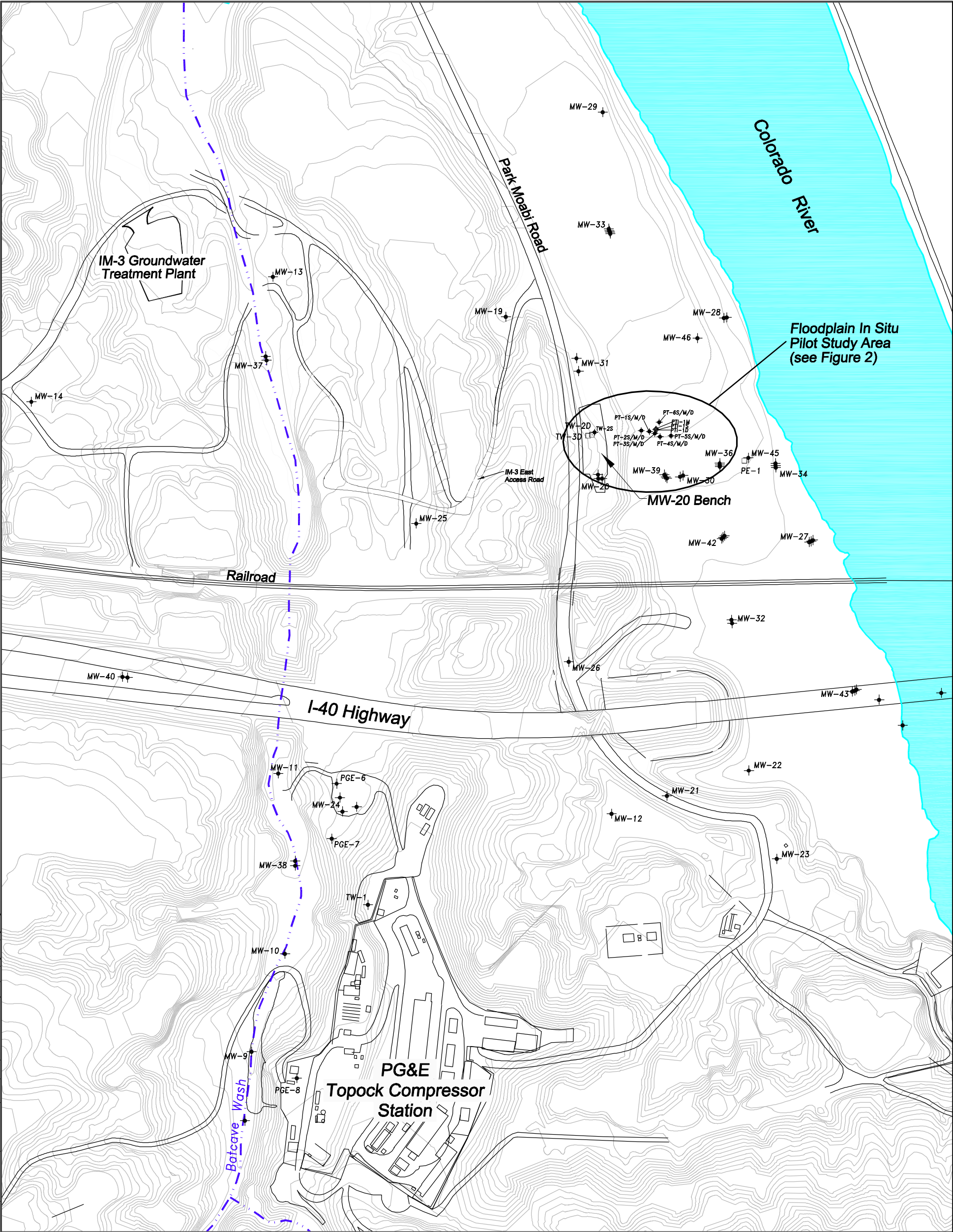
March 2007 and First Quarter 2007 Monitoring Reports for the Floodplain Reductive Zone In Situ Pilot Test

| Location | Sample ID | Sampler Name | Sample Date | Sample Time | Lab | Analysis Method | Parameter | Analysis Date | Lab Technician |
|----------|-----------|--------------|-------------|-------------|-----|-----------------|-----------|---------------|----------------|
|----------|-----------|--------------|-------------|-------------|-----|-----------------|-----------|---------------|----------------|

Notes:

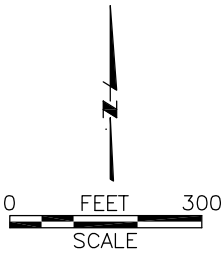
|              |                                 |
|--------------|---------------------------------|
| N            | Normal                          |
| EB           | Equipment Blank                 |
| FB           | Field Blank                     |
| FD           | Field Duplicate                 |
| EMXT         | EMAX Laboratories, Inc          |
| Severn Trent | Severn Trent Laboratories, Inc. |
| Ozark        | Ozark Underground Laboratory    |
| Truesdail    | Truesdail Laboratory            |

Date\\Time : Mon, 17 Apr 2006 - 9:30am  
Path\\Name : G:\\Projects- Active\\PG&E\\MSA\\PG&E TOPOCK\\6 Deliverables\\Full Reports\\102006 - Quarterly Report\\Figures\\Fig1.dwg  
Acad Version : R16.1s (LWS Tech)  
User Name : mchiu  
© 2006 ARCADIS G&M, Inc.



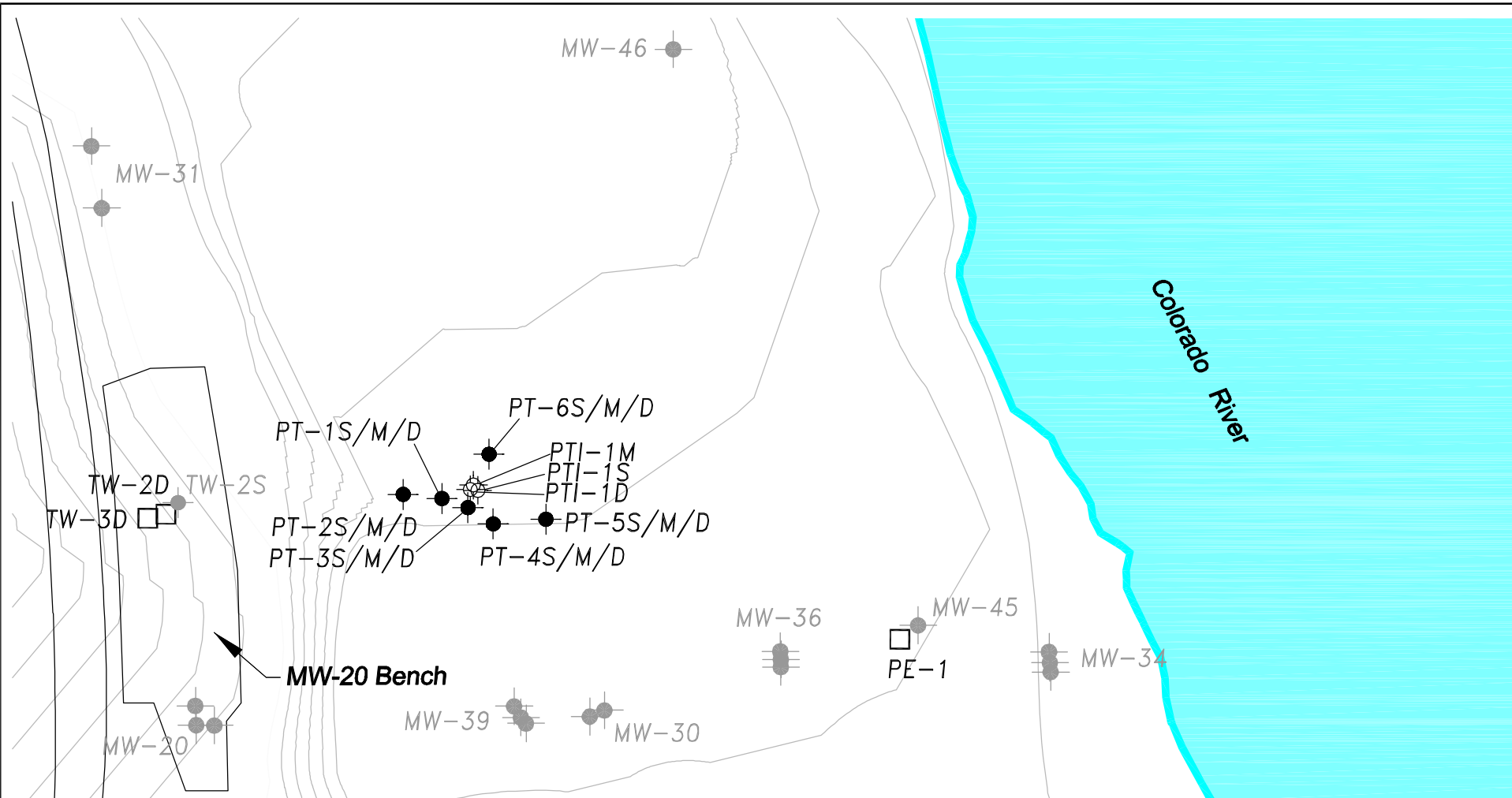
Source: MWH Draft In-Situ Hexavalent Chromium Reduction Pilot Test Work Plan, Upland Plume Treatment, 2006.

- Legend**
- Monitoring Well Locations
  - Extraction Well Locations
  - Injection Well Locations



|                          |                                       |                           |                                                                                                                                                                                                                                        |                                                                 |                                     |
|--------------------------|---------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------|
| © 2006 ARCADIS G&M, Inc. | Project Director<br>N. MORGAN-BUTCHER | Area Manager<br>J. PETERS | <br><b>ARCADIS</b><br>ARCADIS G&M, Inc.<br>1050 Marina Way South<br>Richmond, CA 94804<br>Tel: 510-233-3200 Fax: 510-233-3204<br>www.arcadis-us.com | <b>SITE PLAN</b><br>PG&E TOPOCK FACILITY<br>NEEDLES, CALIFORNIA | Project Number<br><br>RC000689.0001 |
|                          | Task Manager<br>H. VOSCOTT            | Technical Review          |                                                                                                                                                                                                                                        |                                                                 | Figure<br><br>1                     |
|                          | Drawing Date<br>05 APR 06             | Drawn By<br>M. CHIU       |                                                                                                                                                                                                                                        |                                                                 |                                     |

**SITE PLAN**  
PG&E TOPOCK FACILITY  
NEEDLES, CALIFORNIA



Source: MWH Draft In-Situ Hexavalent Chromium Reduction Pilot Test Work Plan, Upland Plume Treatment, 2006.

### Legend

- Monitoring Well Locations
- Extraction Well Locations
- Injection Well Locations



0 FEET 100  
SCALE

|                                                                                                                                                   |                                                                                        |                                                                                                                                   |                                                                                                        |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| © 2006 ARCADIS G&M, Inc.<br>Project Director<br><b>N. MORGAN-BUTCHER</b><br>Task Manager<br><b>H. VOSCOTT</b><br>Drawing Date<br><b>05 APR 06</b> | Area Manager<br><b>J. PETERS</b><br>Technical Review<br><br>Drawn By<br><b>M. CHIU</b> | <br>ARCADIS G&M, Inc.<br>1050 Marina Way South<br>Richmond, CA 94804<br>Tel: 510-233-3200 Fax: 510-233-3204<br>www.arcadis-us.com | <p><b>SAMPLE LOCATION MAP</b><br/> <b>PG&amp;E TOPOCK FACILITY</b><br/> <b>NEEDLES, CALIFORNIA</b></p> | Project Number<br><b>RC000689.0001</b><br><hr/> Figure<br><b>2</b> |
|                                                                                                                                                   |                                                                                        |                                                                                                                                   |                                                                                                        |                                                                    |

**Appendix A**

Calibration Logs for Field  
Monitoring Instruments

## MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.:

Location:

Instrument: PSI 556 MPSSerial Number: 06F1367 AT

| Date   | Calibrated by | Parameter  | Standards Used | Calibrated Achieved (Y/N) | Remarks |
|--------|---------------|------------|----------------|---------------------------|---------|
| 3/6/07 | Mike G.       | pH 7       | pH 7.00        | Y                         |         |
| ↓      | ↓             | pH 4       | pH 4.00        | Y                         |         |
| ↓      | ↓             | pH 10      | pH 10.00       | Y                         |         |
| ↓      | ↓             | Spec Cond. | 3900µS         | Y                         |         |
| ↓      | ↓             | ORP        | 252.5mV        | Y                         |         |
| ↓      | ↓             | D.O.       | 100%           | Y                         |         |
| 3/7/07 | Mike G.       | pH 7       | pH 7.00        | Y                         |         |
| ↓      | ↓             | pH 4       | pH 4.00        | Y                         |         |
| ↓      | ↓             | pH 10      | pH 10.00       | Y                         |         |
| ↓      | ↓             | Spec Cond. | 3900µS         | Y                         |         |
| ↓      | ↓             | ORP        | 240.0mV        | Y                         |         |
| ↓      | ↓             | D.O.       | 100%           | Y                         |         |
| 3/8/07 | Mike G.       | pH 7       | pH 7.00        | Y                         |         |
|        |               | pH 4       | pH 4.00        | Y                         |         |
|        |               | pH 10      | pH 10.00       | Y                         |         |
|        |               | Spec Cond. | 3900µS         | Y                         |         |
|        |               | ORP        | 240.0mV        | Y                         |         |
|        |               | D.O.       | 100%           | Y                         |         |
|        |               |            |                |                           |         |
|        |               |            |                |                           |         |
|        |               |            |                |                           |         |

## MULTIPARAMETER INSTRUMENT CALIBRATION RECORD

Project No.:

Location:

Instrument: YSI 556 MPSSerial Number: 05K1408 AC

| Date   | Calibrated by | Parameter   | Standards Used | Calibrated Achieved (Y/N) | Remarks |
|--------|---------------|-------------|----------------|---------------------------|---------|
| 3/6/07 | DAVE M.       | pH 7        | pH 7.00        | Y                         |         |
| ↓      | ↓             | pH 4        | pH 4.00        | Y                         |         |
| ↓      | ↓             | pH 10       | pH 10.00       | Y                         |         |
| ↓      | ↓             | Spec. Cond. | 3900 $\mu$ S   | Y                         |         |
| ↓      | ↓             | O.R.P       | 252 mV@13°C    | Y                         |         |
| ↓      | ↓             | D.O. %      | ambient        | Y                         |         |
| 3/7/07 | DAVE M.       | pH 7        | pH 7.00        | Y                         |         |
| ↓      | ↓             | pH 4        | pH 4.00        | Y                         |         |
| ↓      | ↓             | pH 10       | pH 10.00       | Y                         |         |
| ↓      | ↓             | Spec Cond   | 3900 $\mu$ S   | Y                         |         |
| ↓      | ↓             | O.R.P.      | 240.0 mV@18°C  | Y                         |         |
| ↓      | ↓             | D.O. %      | ambient        | Y                         |         |
| 3/8/07 | DAVE M.       | pH 7        | pH 7.00        | Y                         |         |
|        |               | pH 4        | pH 4.00        | Y                         |         |
|        |               | pH 10       | pH 10.00       | Y                         |         |
|        |               | Spec Cond.  | 3900 $\mu$ S   | Y                         |         |
|        |               | O.R.P.      | 240 mV@18°C    | Y                         |         |
|        |               | D.O. %      | ambient        | Y                         |         |
|        |               |             |                |                           |         |
|        |               |             |                |                           |         |
|        |               |             |                |                           |         |

**Appendix B**

Groundwater Sampling Logs



## Groundwater Sampling Form

Coded Duplicate No.: 102

|           | PID | Water Quality Meter(s) |
|-----------|-----|------------------------|
| Model     | —   | YSI - 556 MPS          |
| Serial #: | —   | 06F1362 AT             |

## WAKNA

Pump on: 0920 Off: 0944

Cr<sup>6+</sup> (1560) .005 mg/L

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Other (OVA, HNU, etc.):

Samples Analyzed For: See the COC

## Groundwater Sampling Form

Task: 00006 Well ID: PT-1M  
 Sampled By: GC  
 Recorded By: MB  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 mps            |
| Serial #: | —   | 06F1362 AT             |

|                  |                        |
|------------------|------------------------|
| Casing Material: | PVC                    |
| Casing Diameter: | 2"                     |
| Total Depth:     | 70'                    |
| Depth to Water:  | 20.90                  |
| Water Column:    | <del>49.10</del> 49.10 |
| Gallons/Foot:    | 16                     |
| Gallons in Well: | 7.8                    |

WATER

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 24

Pump on: 1428 Off: 1451

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 7/8" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Good  
Color: clear  
Odor: None

Purge Water Disposal: Blank

Turbidity(qualitative): transparency

Other (OVA, HNU, etc.): transparency

Sample ID: PT-1M  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-6-07 1443

## Groundwater Sampling Form

Task: 00006 Well ID: PT-1D  
 Sampled By: GC  
 Recorded By: MB  
 Coded Duplicate No.: none

|           |       |                        |
|-----------|-------|------------------------|
|           | PID   | Water Quality Meter(s) |
| Model     | _____ | YST-55b mps            |
| Serial #: | _____ | 06F1362 AT             |

|                  |       |
|------------------|-------|
| Casing Material: | pvc   |
| Casing Diameter: | 2"    |
| Total Depth:     | 105'  |
| Depth to Water:  | 21.10 |
| Water Column:    | 83.9  |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 13.4  |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one) Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 2

Total Volume Purged: 8 4 Gallons

Pump on: 1320 Off: 1342

Well Casing Volumes (gal/ft):  $2'' = 0.16$   $3'' = 0.37$   
 $3\frac{1}{2}'' = 0.50$   $4'' = 0.65$   
 $6'' = 1.46$

[illegible]

Well Condition: Good  
Color: Clear  
Odor: None

Purge Water Disposal: Trnk  
Turbidity(qualitative): -  
Other (OVA, HNU, etc.): -

Sample ID: PT-1D  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-6-07 1340

## Groundwater Sampling Form

Task: 00006 Well ID: PT-25  
 Sampled By: GC  
 Recorded By: MG  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 06F1302 AT             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 45'   |
| Depth to Water:  | 19.79 |
| Water Column:    | 25.21 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 40    |

*WATER*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: 35' To: 45'

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 12

Pump on: 1222 Off: 1250

Well Casing Volumes (gal/ft):  $2'' = 0.16$   $3'' = 0.37$   
 $3\frac{1}{2}'' = 0.50$   $4'' = 0.65$   
 $6'' = 1.46$

[illegible]

Well Condition: Good  
Color: Clear  
Odor: none

Purge Water Disposal: Trunk

Turbidity(qualitative): \_\_\_\_\_

Other (OVA, HNU, etc.): \_\_\_\_\_

Sample Date & Time: 3-7-07 1245

## Groundwater Sampling Form

Task: 00006 Well ID: PT-2M  
 Sampled By: GC  
 Recorded By: MB  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 mps            |
| Serial #: | —   | 06F1362 AT             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 70'   |
| Depth to Water:  | 20.24 |
| Water Column:    | 49.76 |
| Gallons/Foot:    | 116   |
| Gallons in Well: | 7.9   |

W. A. Iena

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry  
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor  
Screen Interval: From: 60' To: 70'  
Pump Intake Setting: \_\_\_\_\_  
Volumes to be Purged: 3  
Total Volume Purged: 24  
Pump on: 1131 Off: 1200

Cr +6  
(1560) .005 mg/L

Well Casing Volumes (gal/ft):  $2'' = 0.16$   $3'' = 0.37$   
 $3\frac{1}{2}'' = 0.50$   $4'' = 0.65$   
 $6'' = 1.46$

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative):                       
Other (OVA, HNU, etc.):                     

Sample Date & Time: 3-7-07 1152

## Groundwater Sampling Form

Task: 00006 Well ID: PT-2D  
 Sampled By: GC  
 Recorded By: 176  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 mps            |
| Serial #: | —   | 06F1362 AT             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 105'  |
| Depth to Water:  | 20.29 |
| Water Column:    | 84.71 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 13.5  |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: 95' To: 105'

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 41

Pump on: 1037 Off: 1203

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

Crt6  
(1560) 0.090 mg/L

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: Tank  
Turbidity(qualitative): -  
Other (OVA, HNU,etc.): -

Sample ID: PT-2D  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-7-07 1058

## Groundwater Sampling Form

Task: 00006 Well ID: PT-3S  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: DUP-1

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 05K1408 AC             |

*Water*  
Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry  
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailer  
Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_  
Pump Intake Setting: \_\_\_\_\_  
Volumes to be Purged: 3  
Total Volume Purged: 13  
Pump on: 0922 Off: 0940

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Purge Water Disposal: Donk  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample Date & Time: 3-7-07 0940

## Groundwater Sampling Form

Task: 00006 Well ID: PT-3M  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 -mps           |
| Serial #: | —   | 05K1408 AC             |

*WATER*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 25

Pump on: 1416 Off: 1435

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

|                 |                                   |                         |                             |
|-----------------|-----------------------------------|-------------------------|-----------------------------|
| Well Condition: | <u>Fair: broken hinge on lid.</u> | Purge Water Disposal:   | <u>TANK</u>                 |
| Color:          | <u>clear</u>                      | Turbidity(qualitative): | <u>                    </u> |
| Odor:           | <u>none</u>                       | Other (OVA, HNU, etc.): | <u>                    </u> |

Sample ID: PT-3m  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-6-07 1435



## Groundwater Sampling Form

Project Number: RC000689.0001.  
Date: 03- 6 -07  
Weather: WARM

Task: 00006 Well ID: PT-3D  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: None

### Instrument Identification

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-536 MPS            |
| Serial #: | —   | 05K1408 AC             |

### Purging Information

|                  |              |
|------------------|--------------|
| Casing Material: | <u>PVC</u>   |
| Casing Diameter: | <u>2"</u>    |
| Total Depth:     | <u>105'</u>  |
| Depth to Water:  | <u>20.01</u> |
| Water Column:    | <u>84.99</u> |
| Gallons/Foot:    | <u>16</u>    |
| Gallons in Well: | <u>136</u>   |

*Water*

Purge Technique (circle one): Low-flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 41

Pump on: 1320 Off: \_\_\_\_\_

Cr + b 3.48 Mg/L  
(1500)

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

### Field Parameter Measurements Taken During Purging

[illegible]

### Observations During Sampling

Well Condition: fair: broken hinge on lid  
Color: ~~hazy~~ clear  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative): \_\_\_\_\_  
Other (OVA, HNU, etc.): \_\_\_\_\_

Sample ID: 11-3D  
Samples Analyzed For: See the COC

Sample Date & Time: 5-6-07 1348

## Groundwater Sampling Form

Task: 00006 Well ID: PT-45  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: NO

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSF-556 MPS            |
| Serial #: | —   | 05K1400 AC             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 45'   |
| Depth to Water:  | 20.08 |
| Water Column:    | 24.92 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 4.0   |

История

Purge Technique (circle one): Low-flow Remove 3 Well Volumes Bail Dry  
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor  
Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_  
Pump Intake Setting: \_\_\_\_\_  
Volumes to be Purged: 3  
Total Volume Purged: 12  
Pump on: 1134 Off: 1150

CAT6  
(1960) .004 mg/L

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TMK  
Turbidity(qualitative): -  
Other (OVA, HNU, etc.): -

Sample ID: PT-45  
Samples Analyzed For: See the COC

Sample Date & Time: 3-7-07 1150

## Groundwater Sampling Form

Weather: WARM

Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 05K1408 AC             |

Gallons in Well: 7.9

Crab (560) .005 mg/L

Pump on: 1224 Off: 1241

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Odor: none

Other (OVA, HNU, etc.):

Sample Date & Time: 3-7-07 1240

Samples Analyzed For: See the COC

## Groundwater Sampling Form

Task: 00006 Well ID: PT-4D  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: NONE

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSE-556 mps            |
| Serial #: | —   | 05K1408 AC             |

Water

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 41

Pump on: 1038 Off: 1100

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Purge Water Disposal: TANK  
Turbidity(qualitative):                       
Other (OVA, HNU, etc.):                     

Sample Date & Time: 3-7-07 1100

## Groundwater Sampling Form

Task: 00006 Well ID: PT-55  
 Sampled By: GC  
 Recorded By: MB  
 Coded Duplicate No.: None

|          |     |                        |
|----------|-----|------------------------|
|          | PID | Water Quality Meter(s) |
| Model    | —   | YSI-556 MPS            |
| Serial # | —   | 06 F 1360 AT           |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 45'   |
| Depth to Water:  | 18.90 |
| Water Column:    | 26.10 |
| Gallons/Foot:    | 16    |
| Gallons in Well: | 4.1   |

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one) Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: 35' To: 45'

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 13

Pump on: 0910400 Off: 0945

Well Casing Volumes (gal/ft): 2" = 0.16 3" = 0.37  
3 1/2" = 0.50 4" = 0.65  
6" = 1.46

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample ID: PT-55  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-8-07 103 0937  
110

## Groundwater Sampling Form

Project Number: RC000689.0001.  
Date: 03- 7 -07  
Weather: WARM

Task: 00006 Well ID: PT-5M  
 Sampled By: GC  
 Recorded By: MG  
 Coded Duplicate No.: None

### Instrument Identification

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 06F1362 AT             |

### Purging Information

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 70'   |
| Depth to Water:  | 19.78 |
| Water Column:    | 50.22 |
| Gallons/Foot:    | 2.16  |
| Gallons in Well: | 80    |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: 60' To: 70'

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 24

Pump on: 1434 Off: 1458

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

### Field Parameter Measurements Taken During Purging

[illegible]

### Observations During Sampling

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TANK  
 Turbidity(qualitative):             
 Other (OVA, HNU, etc.):           

Sample ID: PT-5M  
 Samples Analyzed For: See the COC

Sample Date & Time: 3/7/07 1455

## Groundwater Sampling Form

Task: 00006 Well ID: PT-5D  
 Sampled By: GC  
 Recorded By: MB  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI - 556 mps          |
| Serial #: | —   | 06F1362 AT             |

|                  |       |
|------------------|-------|
| Casing Material: | pvc   |
| Casing Diameter: | 2"    |
| Total Depth:     | 105'  |
| Depth to Water:  | 19.82 |
| Water Column:    | 85.18 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 13.6  |

*W. Atkinson*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: 95' To: 105'

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 41

Pump on: 1023 Off: 1050

Well Casing Volumes (gal/ft):

|                         |              |
|-------------------------|--------------|
| $2'' = 0.16$            | $3'' = 0.37$ |
| $3\frac{1}{2}'' = 0.50$ | $4'' = 0.65$ |
| $6'' = 1.46$            |              |

[illegible]

Well Condition: Good  
Color: clear / yellowish  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample Date & Time: 3-8-07 1045

Samples Analyzed For: See the COC

## Groundwater Sampling Form

Task: 00006 Well ID: PT-65  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 05K1408 AC             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 45'   |
| Depth to Water:  | 21.20 |
| Water Column:    | 23.80 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 3.8   |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: .16

Total Volume Purged: 12

Pump on: 0913 Off: 0931

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TRUCK  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample ID: PT-65  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-8-07 0930



## Groundwater Sampling Form

Task: 00006 Well ID: PT-6M  
 Sampled By: GC  
 Recorded By: DAVE m  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 MPS            |
| Serial #: | —   | 05K1408 AC             |

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor *water re*

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 23

Pump on: 1434 Off: 1457

$$\frac{Cr+6}{(1560)} = .003 \text{ mg/L}$$

|                               |               |           |
|-------------------------------|---------------|-----------|
| Well Casing Volumes (gal/ft): | 2" = 0.16     | 3" = 0.37 |
|                               | 3 1/2" = 0.50 | 4" = 0.65 |
|                               | 6" = 1.46     |           |

[illegible]

Purge Water Disposal: Tank  
Turbidity(qualitative): -  
Other (OVA, HNU, etc.): -

Sample Date & Time: 03-07-07 1457

## Groundwater Sampling Form

Task: 00006 Well ID: PT-6D  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: None

|           |       |                        |
|-----------|-------|------------------------|
|           | PID   | Water Quality Meter(s) |
| Model     | _____ | YSI - 556 mps          |
| Serial #: | _____ | 05K1408 AC             |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 2"    |
| Total Depth:     | 105'  |
| Depth to Water:  | 22.10 |
| Water Column:    | 82.90 |
| Gallons/Foot:    | .16   |
| Gallons in Well: | 13.3  |

WAFARA

Purge Technique (circle one): Low-flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one) Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 40

Pump on: 1017 Off: 1040

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Good  
Color: clear  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample ID: PT-6D  
Samples Analyzed For: See the COC

Sample Date & Time: 3-8-07 1040

## Groundwater Sampling Form

Weather: WARM

Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI - 556 MPS          |
| Serial #: | —   | 05K1408 AC             |

Gallons in Well: 15.70

Pump on: 1057 Off: 1120

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Odor: none

Other (OVA, HNU, etc.):

Samples Analyzed For: See the COC

## Groundwater Sampling Form

|                      |         |          |        |
|----------------------|---------|----------|--------|
| Task:                | 00006   | Well ID: | PTI-1M |
| Sampled By:          | GC      |          |        |
| Recorded By:         | DAVE IM |          |        |
| Coded Duplicate No.: | None    |          |        |

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI - 556 mps          |
| Serial #: | —   | 05K1408 AC             |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 95

Pump on: 1017 Off: \_\_\_\_\_

Cr+6  
(1560) .005 mg/L

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Purge Water Disposal: TANK  
Turbidity(qualitative): —  
Other (OVA, HNU, etc.): —

Sample Date & Time: 3-6-07 1051

## Groundwater Sampling Form

Task: 00006 Well ID: PTI-1D  
 Sampled By: GC  
 Recorded By: DAVE M.  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model:    | —   | YSI-556 M/S            |
| Serial #: | —   | 05K1408AC              |

|                  |       |
|------------------|-------|
| Casing Material: | PVC   |
| Casing Diameter: | 4"    |
| Total Depth:     | 105'  |
| Depth to Water:  | 20.72 |
| Water Column:    | 84.28 |
| Gallons/Foot:    | -65   |
| Gallons in Well: | 54.8  |

*Water*

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry

Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor

Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_

Pump Intake Setting: \_\_\_\_\_

Volumes to be Purged: 3

Total Volume Purged: 164.3

Pump on: 0858 Off: 1008

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Fair Broken lid hinge  
Color: clear  
Odor: none

Purge Water Disposal: TANK  
Turbidity(qualitative): —  
Other (OVA, HNU,etc.): —

Sample ID: PTI-1D  
 Samples Analyzed For: See the COC

Sample Date & Time: 3-6-07 1010

## Groundwater Sampling Form

Task: 00006 Well ID: PE-1  
 Sampled By: GC  
 Recorded By: GC  
 Coded Duplicate No.: N012

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556 mps            |
| Serial #. | —   | 05K1408 AC             |

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry  
Purge Equipment (circle one) Submersible Centrifugal Bladder Peristaltic Bailor  
Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_  
Pump Intake Setting: \_\_\_\_\_  
Volumes to be Purged: \_\_\_\_\_  
Total Volume Purged: \_\_\_\_\_  
Pump on: \_\_\_\_\_ Off: \_\_\_\_\_

|                               |               |           |
|-------------------------------|---------------|-----------|
| Well Casing Volumes (gal/ft): | 2" = 0.16     | 3" = 0.37 |
|                               | 3 1/2" = 0.50 | 4" = 0.65 |
|                               | 6" = 1.46     |           |

[illegible]

Purge Water Disposal: system

Turbidity(qualitative): clear

Other (OVA, HNU, etc.): clear

Sample Date & Time: 3-6-07 10:15

## Groundwater Sampling Form

Weather: Warm

Recorded By: (S)

Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI- 556 mps           |
| Serial #: | —   | 05K1408 AC             |

Casing Material: \_\_\_\_\_  
Casing Diameter: \_\_\_\_\_  
Total Depth: \_\_\_\_\_  
Depth to Water: \_\_\_\_\_  
Water Column: \_\_\_\_\_  
Gallons/Foot: \_\_\_\_\_  
Gallons in Well: \_\_\_\_\_

Purge Technique (circle one): Low-Flow Remove 3 Well Volumes Bail Dry  
Purge Equipment (circle one): Submersible Centrifugal Bladder Peristaltic Bailor  
Screen Interval: From: \_\_\_\_\_ To: \_\_\_\_\_  
Pump Intake Setting: \_\_\_\_\_  
Volumes to be Purged: \_\_\_\_\_  
Total Volume Purged: \_\_\_\_\_  
Pump on: \_\_\_\_\_ Off: \_\_\_\_\_

Well Casing Volumes (gal/ft):

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

Well Condition: Good  
Color: Clear  
Odor: None

Purge Water Disposal: System  
Turbidity(qualitative):                       
Other (QVA, HNU, etc.):                     

Sample ID: TW-2D

Sample Date & Time: 3-6-07 14:30

Samples Analyzed For: See the COC

## Groundwater Sampling Form

Task: 00006 Well ID: TW-3D  
 Sampled By: GC  
 Recorded By: GC  
 Coded Duplicate No.: None

|           |     |                        |
|-----------|-----|------------------------|
|           | PID | Water Quality Meter(s) |
| Model     | —   | YSI-556-MPS            |
| Serial #: | —   | 05K1408 AC             |

|                  |       |                               |             |                       |             |
|------------------|-------|-------------------------------|-------------|-----------------------|-------------|
| Casing Material: | _____ | Purge Technique (circle one): | Low-Flow    | Remove 3 Well Volumes | Bail Dry    |
| Casing Diameter: | _____ | Purge Equipment (circle one): | Submersible | Centrifugal           | Bladder     |
| Total Depth:     | _____ | Screen Interval:              | From: _____ | To: _____             | Peristaltic |
| Depth to Water:  | _____ | Pump Intake Setting:          | _____       |                       | Bailer      |
| Water Column:    | _____ | Volumes to be Purged:         | _____       |                       |             |
| Gallons/Foot:    | _____ | Total Volume Purged:          | _____       |                       |             |
| Gallons in Well: | _____ | Pump on:                      | _____       | Off:                  | _____       |

**Well Casing Volumes (gal/ft):**

|               |           |
|---------------|-----------|
| 2" = 0.16     | 3" = 0.37 |
| 3 1/2" = 0.50 | 4" = 0.65 |
| 6" = 1.46     |           |

[illegible]

|                 |               |                         |               |
|-----------------|---------------|-------------------------|---------------|
| Well Condition: | <u>Good</u>   | Purge Water Disposal:   | <u>System</u> |
| Color:          | <u>Yellow</u> | Turbidity(qualitative): | <u>—</u>      |
| Odor:           | <u>None</u>   | Other (OVA, HNU, etc.): | <u>—</u>      |

I:\Active\Lompoc\QAPP\Field Forms\WTR forms.xls  
2/26/2007



## **Appendix C**

Analytical Reports and Chain-of-  
Custody Documentation  
(on Compact Disc)