

2015 SEMI-ANNUAL REPORT  
FORMER OYSTER POINT LANDFILL  
CITY OF SOUTH SAN FRANCISCO  
SOUTH SAN FRANCISCO, CALIFORNIA

Prepared For:

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Department of Public Works  
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Prepared By:



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July 31, 2015



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July 31, 2015

Mr. Vic Pal  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

**Subject: 2015 Semi-Annual Report – RWQCB Order No. 00-046  
Former Oyster Point Landfill/Current Oyster Point Marina and Park  
South San Francisco, CA**

Dear Mr. Pal:

On behalf of the City of South San Francisco, CSS Environmental Services, Inc. (CSS) is pleased to submit this 2015 Semi-Annual Report for the former Oyster Point Landfill and current Oyster Point Marina and Park. Please call me if you have any questions at (415) 883-6203.

Sincerely,  
**CSS Environmental Services, Inc.**

A handwritten signature in black ink, appearing to read 'A. Stessman', with a stylized flourish at the end.

Aaron N. Stessman, PE C054644  
Principal Engineer

cc: Mr. Robert T. Hahn, City of South San Francisco  
Mr. Frank Davies, Jr, California Integrated Waste Management Board  
Mr. Greg Schirle, San Mateo County Health Services Agency  
Mr. Scott Grindy, San Mateo County Harbor District

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## **1.0 INTRODUCTION**

The Oyster Point Landfill is a closed, unlined Class III landfill located along the San Francisco Bay in the City of South San Francisco (City) (Figure 1). The City owns the landfill. The majority of the landfill is open space, but a portion of the landfill has been developed and includes a public marina, boat launch, a ferry terminal, a small yacht club, a boat sales building, and a small office and hotel complex (Figure 2). The San Mateo Harbor District (Harbor District) operates the public marina on the landfill and is responsible for general maintenance of the marina and public spaces.

The landfill is regulated by the Regional Water Quality Control Board (RWQCB) under Order No. 00-046 issued on June 21, 2000 (Order). The Order imposes closure and post-closure requirements on the City as part of future development. This 2015 Semi-Annual Monitoring Report was prepared in compliance with Provisions 3 and 4 of the Order.

The primary purpose of this report is to document compliance with the requirements of the Order. It presents the results of water quality monitoring, landfill gas monitoring, stormwater monitoring and site inspections completed to date for the period January through June 2015. Leachate and groundwater monitoring was conducted per the November 2000 Water Quality Monitoring Plan (WQMP) as amended in August 2001 (Addendum 1) and as amended by the July 2004 Maximum Allowable Concentrations Limits (MACL's) report. The WQMP and MACL's reports describe the water quality monitoring program for the landfill. Additional inspection and sampling requirements are also included in the following documents:

- September 2000 Storm Water Pollution Prevention Plan (SWPPP) and Storm Water Monitoring Plan (SWMP) as amended in August 2001 (Addendum 1)
- September 2000 Final Closure and Post-Closure Maintenance Plan (FCPMP)
- Emergency Response Contingency Plan (ERCP)

This report is organized as follows:

- Section 2 describes landfill monitoring, inspection, maintenance, and development activities since the last reporting period.
- Section 3 summarizes the water quality monitoring programs in place at the site.
- Section 4 presents the results of water quality and landfill gas monitoring to date.
- Section 5 summarizes the results of site inspections and describes proposed maintenance activities.
- Section 6 provides a list of references.
- Appendix A includes laboratory analytical data sheets for the period January through June 2015.
- Appendix B presents historical analytical data, including parameters no longer included in the monitoring program.
- Appendix C includes a copy of the Annual Storm Water Monitoring Report for the site, dated June 30, 2015.

## **2.0 LANDFILL ACTIVITIES SINCE LAST REPORTING PERIOD**

The 2014 Annual Report (CSS Environmental Services Inc, January 31, 2015) summarized activities completed between January and December 2014. This current report includes activities completed at the former landfill from January through June 2015.

### ***2.1 Leachate and Groundwater Quality Monitoring***

There are 18 monitoring wells included in the post-closure monitoring program. The monitoring program is described in detail in Section 3. The program includes both groundwater and elevation monitoring and water quality sampling.

Groundwater and leachate elevations are monitored quarterly. Elevations were measured on March 17, and June 22, 2015. The analytical program is as specified in the November 2000 WQMP as amended in August 2001, and amended by the MACL's report. This program varies from the prescriptive list of analytcs included in the Order.

Groundwater and leachate samples were collected from select wells on June 22-23, 2015. The samples were analyzed by TestAmerica, in Pleasanton, California. Laboratory analytical data sheets for the first semi-annual groundwater monitoring event are included in Appendix A.

### ***2.2 Landfill Gas Perimeter Monitoring***

There are a total of 10 landfill gas monitoring wells installed along Oyster Point Boulevard and Gull Drive (LFG-1 through 10) and three remedial venting systems (PVT-1, PVT-2, and PVW-1), as shown on Figure 3. During the current reporting period, quarterly landfill gas monitoring was performed at the monitoring wells on March 11 and June 23, 2015. Historical landfill gas monitoring results are presented in Tables 5 and 6.

In 2007 passive venting trench PVT-1 was installed near LFG-9, and passive venting trench PVT-2 and venting well PVW-1 were installed near LFG-3 to remediate elevated methane concentrations in their vicinity. Between September 2007 and October 2008 intensive monitoring was performed on LFG-3 to evaluate the performance of the venting system and methane concentrations declined to less than 5% for the last 6 months of monthly monitoring, leading the City to revert to quarterly sampling of LFG-3 as described in correspondence to the SMCHSA, the CIWMB and the RWQCB from the City of South San Francisco on September 30, 2008. During 2010 landfill gas concentrations in excess of 5% were found twice: during the first quarter a concentration of 7.7% was found in LFG-9 near passive venting trench PVT-1 and during the second quarter a concentration of 6.0% was found in LFG-3. Methane concentrations subsequently declined to below the regulatory limit of 5% methane in all perimeter monitoring wells. During the second quarter of 2011, methane again was found at an elevated concentration of 5.5% in LFG-9. Of the remaining perimeter wells that could be sampled all were below 5% methane. During the third quarter of 2011, the City installed passive wind turbines at the exhaust of both of the PVT-1 and PVT-2 venting trenches to encourage landfill gas venting. Methane concentrations again declined to below the regulatory limit of 5% methane in all perimeter

monitoring wells during the third and fourth quarters of 2011, all of 2012, as well as the first quarter of 2013. During the second quarter of 2013 the methane concentration at LFG-3 was again above 5% but has since declined to non-detect.

At the request of the SMCHSA, an off-site groundwater monitoring well, MW-5, was added to the landfill gas monitoring program during the fourth quarter of 2011 and consistently has above 5% methane. A maximum reading of 20.8% methane was found in MW-5 during the second quarter of 2013. This well, shown on Figure 3 as Alexandria Well MW-5, well belongs to an undeveloped property (560 Eccles Ave) owned by Alexandria Real Estate and/or Gull Avenue LLC adjoining the former Oyster Point Landfill. The well is located within the City of South San Francisco's Gull Drive easement, about 5-feet west of the curb of Gull Drive. It was installed along with four other groundwater monitoring wells by Environ for Alexandria in 2008 to monitor conditions at a former burn dump (not the former Oyster Point Landfill) and therefore the City considers that any landfill gases therein are likely to be associated with that former land use. During the first quarter of 2014, well MW-5 was found to have a methane concentration of 14.2% and subsequently CSS installed a passive wind turbine here which successfully abated the methane concentration at the well to below 5%.

The SMCHSA recently requested information regarding structure sensors in the buildings. In February 2015, CSS personnel canvassed buildings at Oyster Point and found that all of the buildings inspected were equipped with methane sensors. Those under the control of the San Mateo County Harbor District; the Harbormaster's office, maintenance building and the free-standing restrooms, have operating sensors that are inspected and maintained monthly by Harbor District personnel. During the first half of 2015 the Harbor District reported that no sensor alarms were triggered in these buildings. Other buildings have sensors that do not appear to be maintained. As of the date of this report, CSS and the City of South San Francisco are in the process of restoring building sensors to operating conditions in the remaining buildings.

### ***2.3 Site Inspections and Storm Water Sampling Completed***

Landfill inspections, per the Storm Water Pollution Prevention Plan, were conducted throughout the year, as required beginning in January 2007. The results from the first half of 2015 are included in the Storm Water 2014-2015 Annual Report, submitted in June 2015 to the RWQCB; a copy is attached in Appendix C without the accompanying laboratory reports found in the original submittal.

### ***2.4 Landfill Maintenance***

The Harbor District and/or the City implemented the following maintenance projects in the first half of 2015:

- Maintained vegetation to control potential erosion in a previously un-vegetated area: several hundred square feet alongside the paved walking path of the southeastern shoreline.

## **2.5 Reports/Documents Submitted**

The following reports were submitted in the first half of 2015:

- 2014 Annual Report, Oyster Point Landfill, dated January 2015
- First Quarter 2015 Landfill Gas Monitoring Report, dated May 2015. Submittal of the Second Quarter 2015 Landfill Gas Monitoring Report is pending.
- 2014-2015 Annual Storm Water Report, dated June 2015
- Stormwater Pollution Prevention Plan (for California Industrial General Permit Order 2014-0057-DWQ), June 2015

## **2.6 Landfill Development**

As originally described in the 2005 Annual Report, the Oyster Point Landfill was identified by the WETA as a primary site for establishment of a public ferry terminal. The WETA completed its construction during the first quarter of 2012 and the new ferry terminal is in operation. Construction activities by the WETA included waterside dredging of the East Basin Marina Area to accommodate the ferry boat service and demolition of two of the existing piers; and waterside construction of a new ferry terminal and dock. Landside improvements to the East Basin Parking Area included a bus stop and turnaround.

The City has included the Former Oyster Point Landfill in its redevelopment zone and hopes to redevelop the site. Under the first phase of redevelopment the City plans call for a maximum of 600,000 square feet of office/R&D space, envisioned as a biotech campus, and possibly a retail/restaurant building, in the area currently occupied by the existing commercial development at the eastern side of the Site. Phase I will include the reconfiguration of Marina Boulevard and a portion of Oyster Point Boulevard and a shuttle turn-around will be constructed adjacent to the Ferry Terminal. Parcels to the east of the new development will be graded and improved as sports fields. Further east a future hotel and retail complex is considered. The existing Yacht Club structure and the Harbor District maintenance building would remain. The project would include excavation of landfill materials at the former Oyster Point Landfill and relocation of these materials on- and/or off-site. The landfill cap will be upgraded to meet the current requirements of Title 27 of the California Code of Regulations with the approval of the RWQCB and San Mateo County Environmental Health Division. Future phases of development appear to be outside of the landfill area.

The project description included below was approved by the City in March of 2011:

“Oyster Point Redevelopment Project, including a General Plan Amendment, Redevelopment Plan Amendment, Zoning Text Amendment (Specific Plan), Rezone (Zoning Map Amendment), Precise Plan, Design Review, Sign Program, Development Agreement, Disposition and Development Agreement, and Environmental Impact Report to allow the demolition of various existing improvements and the construction of a new office and research and development campus at a 1.25 FAR, road alignment, utilities, park, open space, marina improvements (i.e. parking areas), Bay Trail improvements and public restrooms on approximately 82 acres of property located at the eastern end of Oyster Point Boulevard and adjacent to the Oyster Point



Marina, in accordance with SSFMC Title 19, and Chapters 20.040, 20.110, 20.230, 20.300, 20.310, 20.360, 20.400, 20.450, 20.460, 20.480, 20.530, 20.540, and 20.550.”

The City does not anticipate any construction of the project in the next year.

### **2.7 Activities Planned During Next Reporting Period**

Planned activities next reporting period include continued SWPPP monitoring under the new SWPPP prepared for the recently revised California Industrial General Permit, and the collection of quarterly water levels, quarterly landfill gas perimeter monitoring data and semi-annual groundwater samples.

The Harbor District and/or the City will continue to maintain vegetation to control potential erosion in a previously un-vegetated area: several hundred square feet alongside the paved walking path of the southeastern shoreline.

### 3.0 OVERVIEW OF WATER QUALITY MONITORING PROGRAMS

#### 3.1 Detection Monitoring Program

The purpose of the detection monitoring program is to detect "measurably significant" leachate migration from the waste-bearing unit into surrounding media, including underlying soil and groundwater and nearby surface water. Components of the detection monitoring program include:

- Detection monitoring network
- Points of compliance
- Contaminants of concern and monitoring parameters
- Procedures for data evaluation

The detection monitoring network consists of monitoring points, which include monitoring wells and surface water sampling locations. Points of compliance are monitoring locations where leachate migration from the unit would likely be discovered, and to which numerical concentration limits (MACLs) are applied. There are a total of 18 monitoring wells currently installed at the landfill, as shown on Figure 4. Table 1 summarizes the construction details of the wells and identifies the lithologic units the wells monitor.

The MACLs Report dated June 2004 evaluated the water quality data collected since monitoring began in 2000 and recommended modifications to the detection monitoring program. Those modifications include a revised set of monitoring parameters and monitoring frequency. The revised detection monitoring program is summarized in Table 2. The MACLs report was submitted to the RWQCB in July 2004. The program was implemented beginning in the last quarter of 2004 following notification of the RWQCB.

The program includes: quarterly water elevation monitoring for all wells installed at the landfill; annual sampling of water quality in 5 leachate wells (GW-1a, GW-3a, GW-10a, GW-12a, and GW-13a); and semi-annual water quality monitoring of perimeter monitoring wells (GW-2b, GW-4a, GW-5a, GW-6a, GW-7a, GW-11a, GW-14a, GW-15a, and GW-16a). Water elevation data for all wells installed at the site are included in Table 3. Water quality data are summarized in Table 4. Historical data, including analytical parameters no longer included in the monitoring program, are included in Appendix B.

#### 3.2 Storm Water Monitoring Program

The SWPPP establishes a monitoring program to eliminate unauthorized non-storm water discharges and reduce runoff carrying pollutants to the bay. The SWMP has included chemical analysis of storm water samples for parameters established in the general permit for industrial discharges, in addition to select metals associated with maritime uses, and volatile organic (VOC) and semi-volatile organic (SVOC) compounds. The 2003-2004 Annual Storm Water Report recommended modifications to the SWMP to eliminate VOCs and SVOCs from the analytical suite since these compounds had not been detected in storm water from the previous

two sampling events. The revised SWMP was implemented during the 2004-2005 monitoring year, and continued to be in use through the 2014-2015 storm season. As of July 1, 2015, the new California Industrial General Permit Order 2014-0057-DWQ is in effect. The City has submitted and is implementing a new SWPPP in compliance with the new permit order. A highlight of the new SWPPP monitoring program is that four storm events will be sampled for the 2015-2016 storm season. Previously only two storm events were sampled annually.

### ***3.3 Post-Closure Maintenance and Emergency Response Monitoring Program***

The FCPMP stipulates semi-annual inspection of the landfill cover and inspection following a seismic or large storm event. Routine inspections of the landfill cover for evidence of erosion are completed as part of SWPPP compliance. Emergency inspections are completed on an as-needed basis.

Post-closure inspections are conducted to assess the following:

- Differential settlement
- Erosion of the landfill cover
- Presence of burrowing animals
- Drainage ditches and underground storm drains
- Vegetative health
- Structural integrity

The results of post-closure and emergency inspections are reported as required by the Order and as part of the annual Storm Water Reports. The most recent maintenance inspection was conducted on May 21, 2015.

## 4.0 WATER QUALITY AND LANDFILL GAS PERIMETER MONITORING RESULTS

### 4.1 Detection Monitoring Program

Leachate and groundwater elevations have been collected since 1999. Water quality data are summarized in Table 4. Historical data, including analytical parameters no longer included in the monitoring program, are included in Appendix B. Measured elevations are summarized in Table 3. The March 17, 2015 water level elevations are contoured on Figure 5. Hydrographs for each well are presented in Figures 6a to 6r. Based on regression analysis, the 2004 MACLs report documented a small, yet consistent long-term water level rise in most wells. That trend appears to be continuing.

The landfill monitoring wells were originally installed in 1999. In February 2003 and again in July 2007 and June 2013 the reference point elevation of each well was re-surveyed to document the magnitude of on-going subsidence of the landfill. The amount of settlement varied across the site from 0.00 to 0.53 feet from 1999 to 2003. The reference point elevations of each of the monitoring wells were again re-surveyed on July 2 and 3, 2007. Settlement from 2003 to 2007 varied from 0.00 to 0.67 feet. These were re-surveyed again on June 6 and June 12, 2013 and settlement from 2007 to 2013 varied from 0.00 to 0.94 feet. The hydrographs presented in Figures 6a to 6r show the calculated water level elevations using the 1999, 2007 and 2013 survey data, with monitoring well reference point elevations interpolated between survey events.

The long-term groundwater and leachate levels were re-evaluated and compared to the rates documented in the MACLs report. The data in Table 3 and hydrographs presented in Figures 6a through 6r indicate that long-term water level trends through June of 2015 are generally stable or rising slightly in most wells with an average rise of 0.00005 feet per year. The rate of water level rise generally varies between 0.00001 to 0.00040 feet per year on average. Exceptions are wells GW-2b, GW-5a, GW-13a and GW-16a which have a slight declining trend in groundwater elevation ranging from 0.00001 and 0.00020 feet per year. Monitoring well GW-8c, the westernmost well monitoring the upgradient bedrock zone, has seen the largest water level rise at 0.0004 feet per year, on average.

Groundwater from the 9 perimeter compliance wells and 5 interior wells was sampled on June 22-23, 2015. TestAmerica completed the chemical analyses. The laboratory analytical results are summarized in Table 4. Laboratory analytical data sheets and chain-of-custody records for the second quarter sampling event are included in Appendix A. The results are similar to that detected in previous sampling events. Points of compliance include wells: GW-2b, GW-4a, GW-5a, GW-6a, GW-7a, GW-11a, GW-14a, GW-15a and GW-16a. All results in these wells are below MACL criteria outlined below.

Parameters	MACL	Source
Benzene	71 ug/l	USEPA California Toxics Rule Criteria (May 2000), Order 99-045
Ethyl benzene	86 ug/l	Order 99-045
Chlorobenzene	129 ug/l	USEPA Recommended Ambient Water Quality Criteria
Naphthalene	470 ug/l	Order 99-045
Total Xylenes	2,200 ug/l	Order 99-045

Review of the laboratory reports indicates that all groundwater samples were analyzed within respective hold times and that laboratory quality assurance/quality control analyses (surrogate recoveries, matrix spike recoveries and spike duplicates) were within acceptable ranges. Quality assurance trip and equipment blank samples were analyzed and target analytes were not detected.

#### ***4.2 Storm Water Monitoring Program***

Storm water samples collected and inspection reports for the 2014-2015 rainy season are reported in the 2014-2015 Annual Storm Water Report, dated June 2015. A copy, without the attached analytical laboratory reports included in the original submittal, may be found in Appendix C. Storm water inspection and sample results for the 2015-2016 rainy season will be summarized in the 2015-2016 Annual Storm Water Report, due in June 2016.

#### ***4.3 Landfill Gas Perimeter Monitoring Program***

There are a total of 10 landfill gas monitoring wells installed along Oyster Point Boulevard and Gull Drive (LFG-1 through 10) and three remedial passive venting systems (PVT-1, PVT-2, and PVW-1), as shown on Figure 3. Quarterly landfill gas monitoring was performed at the monitoring wells on March 11 and June 23, 2015 and these results as well as quarterly monitoring conducted to date are included in Table 5.

In 2007 passive venting trench PVT-1 was installed near LFG-9, and passive venting trench PVT-2 and venting well PVW-1 were installed near LFG-3 to remediate elevated methane concentrations in their vicinity. Between September 2007 and October 2008 intensive monitoring was performed to evaluate the performance of the PVT-2 venting system. The passive venting trench was successful at abating methane to below 5% in LFG-3 as summarized in Table 6. The City reverted to quarterly sampling of LFG-3 as described in correspondence to the SMCHSA, the CIWMB and the RWQCB from the City of South San Francisco on September 30, 2008. Sporadic detections of elevated methane concentrations have been found in recent years at perimeter wells LFG-3 and LFG-9 especially during periods of high water table. During 2010 landfill gas concentrations in excess of 5% were found twice: during the first quarter a concentration of 7.7% was found in LFG-9 near passive venting trench PVT-1 and during the second quarter a concentration of 6.0% was found in LFG-3. Methane concentrations subsequently declined to below the regulatory limit of 5% methane (see Table 5). During the first and second quarters of 2011, methane again was found at elevated concentrations of 7.4% and 5.2% in LFG-9. During the first and second quarters of 2011, methane again was found at elevated concentrations of 7.4% and 5.2% in LFG-9. In response, passive wind turbines were

installed during the third quarter 2011 at the exhaust of both venting trenches PVT-1 and PVT-2 to encourage landfill gas abatement. Methane concentrations again declined to below the regulatory limit of 5% methane in all perimeter monitoring wells through the first quarter 2013 monitoring. During the second quarter of 2013 the methane concentration at LFG-3 was again above 5% but has since declined to and there were no elevated methane concentrations in perimeter monitoring wells during the first half of 2015.

At the request of the SMCHSA, an off-site groundwater monitoring well, MW-5, was added to the landfill gas monitoring program during the fourth quarter of 2011 and consistently had above 5% methane. A maximum reading of 20.8% methane was found in MW-5 during the second quarter of 2013. This well, shown on Figure 3 as Alexandria Well MW-5, well belongs to an undeveloped property (560 Eccles Ave) owned by Alexandria Real Estate and/or Gull Avenue LLC adjoining the former Oyster Point Landfill. The well is located within the City of South San Francisco's Gull Drive easement, about 5-feet west of the curb of Gull Drive. It was installed along with four other groundwater monitoring wells by Environ for Alexandria in 2008 to monitor conditions at a former burn dump (not the former Oyster Point Landfill) and therefore the City considers that any landfill gases therein are likely to be associated with that former land use. During the first quarter of 2014, well MW-5 was found to have a methane concentration of 14.2% and subsequently CSS installed a passive wind turbine here which successfully abated the methane concentration at the well to below 5%.

#### ***4.4 Proposed Modifications to the Monitoring Programs***

At the request of the SMCHSA, an off-site groundwater monitoring well, MW-5, was added to the landfill gas monitoring program during the fourth quarter of 2011 and was found to contain 12% methane. MW-5 continued to show elevated methane concentrations up to 20.8% during subsequent monitoring events. This well, shown on Figure 3 as Alexandria Well MW-5, belongs to an undeveloped property (560 Eccles Ave) owned by Alexandria Real Estate and/or Gull Avenue LLC adjoining the former Oyster Point Landfill. The well is located within the City of South San Francisco's Gull Drive easement, about 5-feet west of the curb of Gull Drive. It was installed along with four other groundwater monitoring wells by Environ for Alexandria in 2008 to monitor conditions at a former burn dump (not the former Oyster Point Landfill) and therefore the City considers that any landfill gases therein are likely to be associated with that former land use. During the first quarter of 2014 CSS installed a passive wind turbine at MW-5 which has successfully abated the methane concentration at the well to below 5%.

## **5.0 LANDFILL MAINTENANCE**

### ***5.1 Storm Water Pollution Prevention Inspections***

Site inspections per the requirements of the SWPPP were conducted as required over the current reporting period. Inspection reports and stormwater sampling results for the period of July 1, 2014 through June 30, 2015 are reported in the 2014-2015 Annual Storm Water Report, dated June 2015. A copy may be found in Appendix C.

### ***5.2 Post-Closure Maintenance Plan and Emergency Response Monitoring Program***

Semi-annual inspections required as part of the FCPMP are conducted concurrent with inspections performed as part of the SWPPP.

## **6.0 REFERENCES**

California Code of Regulations, Title 27, Sections 20918 through 21090.

CSS Environmental Services, Inc., 2015. 2014-2015 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2015. 2014 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2014. 2014 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2014. 2013-2014 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2014. 2013 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2013. 2013 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2013. 2012-2013 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2013. 2012 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2012. 2012 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2012. 2011-2012 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - July.

CSS Environmental Services, Inc., 2012. 2011 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2011. 2011 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2011. 2010-2011 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2011. 2010 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.



CSS Environmental Services, Inc., 2010. 2010 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2010. 2009-2010 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2010. 2009 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2009. 2009 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California – July.

CSS Environmental Services, Inc., 2009. 2008 Annual Report, Former Oyster Point Landfill, South San Francisco, California – January.

CSS Environmental Services, Inc., 2009. 2008-2009 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

CSS Environmental Services, Inc., 2008-2013. Quarterly Landfill Gas Monitoring Reports (October 2008 – June 2013)

EnviroTech NPDES Services with CSS Environmental Services, Inc, 2015. Stormwater Pollution Prevention Plan, Oyster Point Landfill, Oyster Point Marina/Park, South San Francisco. - June.

Gabewell with Harding Associates, 2000. Final Closure and Post-Closure Maintenance Plan, Oyster Point Landfill, South San Francisco, California. - September.

Gabewell with Harding Associates, 2000. Storm Water Pollution Prevention and Monitoring Plan, Oyster Point Landfill, South San Francisco, California. - September.

Gabewell with PES Environmental, Inc., 2001. Addendum to Storm Water Pollution Prevention and Monitoring Plan, Oyster Point Landfill, South San Francisco, California. - August.

Gabewell with PES Environmental, Inc., 2000. Water Quality Monitoring Plan, Oyster Point Landfill, South San Francisco, California. - November.

Gabewell with PES Environmental, Inc., 2001. Addendum 1 to Water Quality Monitoring Plan, Oyster Point Landfill, South San Francisco, California. - August.

Gabewell with PES Environmental, Inc., 2002. Addendum 1 to the Final Closure and Post-Closure Maintenance Plan, Oyster Point Landfill, South San Francisco, California. - October.

Gabewell with PES Environmental, Inc., 2004. 2003 Annual Report, Oyster Point Landfill,

South San Francisco, California. - January.

Gabewell with PES Environmental, Inc., 2004. 2002-2003 Annual Storm Water Report, Oyster Point Landfill, South San Francisco, California. - June.

Gabewell with PES Environmental, Inc., 2004. Maximum Allowable Concentration Limits, Oyster Point Landfill, South San Francisco, California. - July.

Gabewell with PES Environmental, Inc., 2005. Semi-Annual Report, Oyster Point Landfill, South San Francisco, California, - July.

Terra Engineers, Inc. with PES Environmental, Inc., 2008. 2008 Semi-Annual Report, Former Oyster Point Landfill, South San Francisco, California, - July.

Terra Engineers, Inc. with PES Environmental, Inc., 2008. 2007-2008 Annual Storm Water Report, Former Oyster Point Landfill, South San Francisco, California, - June.

California State Water Resources Control Board, 2014. General Permit for Storm Water Discharges Associated with Industrial Activities, Order 2014-0057-DWQ, -April.

RWQCB, 2000. Order No. 00-046. June 21.

RWQCB, 1999. Order 99-045.

# TABLES

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Table 1  
Monitoring Well Construction Summary  
Oyster Point Landfill  
South San Francisco, CA

Well Designation	Screened Lithology	Borehole Depth (feet bgs)	Bottom Seal Interval (feet bgs)	Screened Interval (feet bgs)	Sandpack Interval (feet bgs)	Sanitary Seal Interval (feet bgs)
GW-1a	waste	25	na	15-25	14-25	13-14
GW-2b	alluvium	140	131-140	116-131	114.5-131	112-114.5
GW-3a	waste	40	25-40	15-25	14-25	13-14
GW-4a	reworked clayey silt	16	na	6-16	5-16	4-5
GW-5a	reworked clayey silt	34.5	20-34.5	10-20	9-20	8-9
GW-6a	waste/reworked clayey silt	25	na	15-25	14-25	13-14
GW-7a	grael fill	16	13.5-16	5.5-13.5	4.5-13.5	3.5-4.5
GW-8c	bedrock	50	45-50	35-45	32-45	30-32
GW-9a	gravelly clay	26	na	21-26	20-26	19-20
GW-10a	waste	39.5	37-39.5	22-37	20-37	18-20
GW-11a	waste/reworked clayey silt	15	na	5-15	4-15	3-4
GW-12a	waste	35.5	34-35.5	23-33	21-34	19-21
GW-13a	waste	30	26-30	15-25	14-26	12-14
GW-14a	waste	15	40162.0	4-12	3.5-12	2-3.5
GW-15a	waste/reworked clayey silt/clayey gravel	20	18-20	7-17	6.5-18	4-6.5
GW-16a	silty sand	19.5	10.5-19.5	5-10	4.5-10.5	2.5-4.5
GW-17a	waste	31.5	26-31.5	40111.0	40051.0	39972.0
MW-5*	waste/reworked clayey dilt	20	na	16-20	15-20	nr

Notes:

feet bgs = feet below ground surface

na= not applicable (base of well is bottom of vorehole)

Both bottom seal and sanitary seal composed of bentonite

\* well MW-5 installec by Applied Consultants in 1989

nr=not reported in well log

Table 2  
 Summary of Detection Monitoring Program  
 Oyster Point Landfill  
 South San Francisco, CA

Well Designation	Unit Monitred	Monitoring Frequency	Parameters
GW-1a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-3a	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-10A	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-12A	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-13A	Waste	Annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-2B	Underlying Sand	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-4A	Perimeter berm	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-5A	Perimeter berm	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-6A	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-7A	Adjacent earth fill	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-11A	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-14A	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-15A	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes
GW-16A	Perimeter berm and waste	Semi-annual	Benzene, Ethylbenzene, Chlorobenzene, Naphthalene, Total Xylenes

**Note:** Water Levels will be measured quarterly in these wells

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-1a	8/19/1999	waste	18.19	10.21	7.98	17.75	17.38	16.91	18.19	7.98
	12/7/1999		18.19	13.84	4.35				18.15	4.31
	2/7/2000		18.19	12.00	6.19				18.13	6.13
	7/18/2000		18.19	10.32	7.87				18.08	7.76
	9/18/2000		18.19	11.80	6.39				18.06	6.26
	10/27/2000		18.19	13.84	4.35				18.04	4.20
	11/28/2000		18.19	11.72	6.47				18.03	6.31
	12/27/2000		18.19	11.99	6.2				18.02	6.03
	1/30/2001		18.19	12.11	6.08				18.01	5.90
	2/28/2001		18.19	11.73	6.46				18.00	6.27
	3/28/2001		18.19	11.67	6.52				17.99	6.32
	5/4/2001		18.19	11.72	6.47				17.98	6.26
	5/31/2001		18.19	11.81	6.38				17.97	6.16
	6/11/2001		18.19	11.81	6.38				17.97	6.16
	7/31/2001		18.19	11.84	6.35				17.95	6.11
	8/30/2001		18.19	11.81	6.38				17.94	6.13
	9/24/2001		18.19	8.84	9.35				17.93	9.09
	10/30/2001		18.19	11.81	6.38				17.92	6.11
	11/28/2001		18.19	11.75	6.44				17.91	6.16
	12/26/2001		18.19	11.84	6.35				17.90	6.06
	1/7/2002		18.19	11.72	6.47				17.90	6.18
	2/15/2002		18.19	11.51	6.68				17.88	6.37
	3/18/2002		18.19	11.70	6.49				17.87	6.17
	4/30/2002		18.19	11.58	6.61				17.86	6.28
	5/30/2002		18.19	11.51	6.68				17.85	6.34
	6/19/2002		18.19	11.57	6.62				17.84	6.27
	7/14/2002		18.19	11.60	6.59				17.83	6.23
	8/10/2002		18.19	11.60	6.59				17.82	6.22
	9/21/2002		18.19	11.69	6.5				17.81	6.12
	10/26/2002		18.19	11.62	6.57				17.80	6.18
	11/16/2002		18.19	11.73	6.46				17.79	6.06
	12/13/2002		18.19	11.73	6.46				17.78	6.05
	1/11/2003		18.19	11.50	6.69				17.77	6.27
	2/8/2003		18.19	11.43	6.76				17.76	6.33
	3/13/2003		18.19	11.59	6.6				17.75	6.16
	4/19/2003		18.19	11.49	6.7				17.73	6.24
	5/23/2003		18.19	11.33	6.86				17.73	6.40
	6/24/2003		18.19	7.25	10.94				17.72	10.47
	7/18/2003		18.19	11.45	6.74				17.71	6.26
	8/2/2003		18.19	11.50	6.69				17.71	6.21
	9/22/2003		18.19	11.46	6.73				17.70	6.24
	10/11/2003		18.19	11.52	6.67				17.69	6.17
	11/22/2003		18.19	11.47	6.72				17.68	6.21
	12/7/2003		18.19	11.44	6.75				17.68	6.24
	1/11/2004		18.19	11.20	6.99				17.67	6.47
	2/8/2004		18.19	11.38	6.81				17.67	6.29
	3/6/2004		18.19	11.57	6.62				17.66	6.09
	4/10/2004		18.19	11.24	6.95				17.65	6.41
	5/1/2004		18.19	11.43	6.76				17.65	6.22
	6/6/2004		18.19	11.32	6.87				17.64	6.32
	7/10/2004		18.19	11.38	6.81				17.63	6.25
	8/1/2004		18.19	11.33	6.86				17.62	6.29
	12/5/2004		18.19	11.07	7.12				17.59	6.52
	3/5/2005		18.19	11.09	7.10				17.57	6.48
	6/17/2005		18.19	10.88	7.31				17.55	6.67
	9/17/2005		18.19	11.08	7.11				17.53	6.45
	12/24/2005		18.19	11.01	7.18				17.51	6.50
	3/11/2006		18.19	10.55	7.64				17.49	6.94
6/11/2006		18.19	10.49	7.70				17.47	6.98	
9/24/2006		18.19	10.80	7.39				17.44	6.64	
12/16/2006		18.19	10.51	7.68				17.42	6.91	
3/17/2007		18.19	10.79	7.40				17.40	6.61	
6/16/2007		18.19	10.95	7.24				17.38	6.43	
8/26/2007		18.19	10.89	7.30				17.37	6.48	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-1a (cont.)	12/2/2007		18.19	11.19	7.00				17.35	6.16
	3/9/2008		18.19	10.85	7.34				17.33	6.48
	6/24/2008		18.19	10.85	7.34				17.30	6.45
	9/30/2008		18.19	10.93	7.26				17.28	6.35
	12/9/2008		18.19	11.06	7.13				17.27	6.21
	3/12/2009		18.19	11.04	7.15				17.25	6.21
	6/24/2009		18.19	10.83	7.36				17.22	6.39
	9/9/2009		18.19	10.77	7.42				17.21	6.44
	12/29/2009		18.19	10.89	7.30				17.18	6.29
	3/9/2010		18.19	10.70	7.49				17.17	6.47
	6/28/2010		18.19	10.32	7.87				17.14	6.82
	9/24/2010		18.19	10.04	8.15				17.12	7.08
	12/27/2010		18.19	10.58	7.61				17.10	6.52
	3/28/2011		18.19	10.45	7.74				17.08	6.63
	5/6/2011		18.19	10.21	7.98				17.08	6.87
	9/30/2011		18.19	10.32	7.87				17.04	6.72
	11/10/2011		18.19	10.35	7.84				17.04	6.69
	3/3/2012		18.19	10.60	7.59				17.01	6.41
	5/18/2012		18.19	10.49	7.70				16.99	6.50
	12/20/2012		18.19	10.43	7.76				16.95	6.52
	3/8/2013		18.19	10.42	7.77				16.93	6.51
	6/26/2013		18.19	10.66	7.53				16.91	6.25
	9/12/2013		18.19	10.61	7.58				16.91	6.30
	12/30/2013		18.19	10.80	7.39				16.91	6.11
	3/26/2014		18.19	10.59	7.60				16.91	6.32
	6/19/2014		18.19	10.76	7.43				16.91	6.15
	9/29/2014		18.19	10.70	7.49				16.91	6.21
	12/9/2014		18.19	10.74	7.45				16.91	6.17
3/17/2015		18.19	10.29	7.90				16.91	6.62	
6/22/2015		18.19	10.50	7.69				16.91	6.41	
GW-2b	8/19/1999	alluvium	17.66	12.24	5.42	17.31	17.07	16.57	17.66	5.42
	12/7/1999		17.66	12.06	5.60				17.63	5.57
	2/7/2000		17.66	11.13	6.53				17.61	6.48
	7/18/2000		17.66	11.84	5.82				17.57	5.73
	9/18/2000		17.66	11.64	6.02				17.55	5.91
	10/27/2000		17.66	13.91	3.75				17.54	3.63
	11/28/2000		17.66	9.93	7.73				17.53	7.60
	12/27/2000		17.66	10.10	7.56				17.53	7.43
	1/30/2001		17.66	13.03	4.63				17.52	4.49
	2/28/2001		17.66	12.65	5.01				17.51	4.86
	3/28/2001		17.66	13.98	3.68				17.50	3.52
	5/4/2001		17.66	10.56	7.10				17.49	6.93
	5/31/2001		17.66	13.62	4.04				17.49	3.87
	6/11/2001		17.66	13.52	4.14				17.48	3.96
	7/31/2001		17.66	10.91	6.75				17.47	6.56
	8/30/2001		17.66	10.49	7.17				17.46	6.97
	9/24/2001		17.66	11.03	6.63				17.45	6.42
	10/30/2001		17.66	9.84	7.82				17.44	7.60
	11/28/2001		17.66	9.95	7.71				17.44	7.49
	12/26/2001		17.66	9.96	7.70				17.43	7.47
	1/7/2002		17.66	10.04	7.62				17.43	7.39
	2/15/2002		17.66	10.67	6.99				17.42	6.75
	3/18/2002		17.66	13.78	3.88				17.41	3.63
	4/30/2002		17.66	10.89	6.77				17.40	6.51
	5/30/2002		17.66	12.32	5.34				17.39	5.07
	6/19/2002		17.66	11.32	6.34				17.38	6.06
	7/14/2002		17.66	13.36	4.30				17.38	4.02
	8/10/2002		17.66	14.93	2.73				17.37	2.44
9/21/2002		17.66	13.00	4.66				17.36	4.36	
10/26/2002		17.66	11.83	5.83				17.35	5.52	
11/16/2002		17.66	10.11	7.55				17.34	7.23	
12/13/2002		17.66	10.48	7.18				17.33	6.85	
1/11/2003		17.66	11.85	5.81				17.33	5.48	
2/8/2003		17.66	13.15	4.51				17.32	4.17	
3/13/2003		17.66	11.02	6.64				17.31	6.29	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-2b (cont.)	4/19/2003		17.66	15.36	2.30				17.30	1.94
	5/23/2003		17.66	11.75	5.91				17.29	5.54
	6/24/2003		17.66	12.61	5.05				17.29	4.68
	7/18/2003		17.66	14.09	3.57				17.29	3.20
	8/2/2003		17.66	13.89	3.77				17.28	3.39
	9/22/2003		17.66	11.14	6.52				17.28	6.14
	10/11/2003		17.66	12.29	5.37				17.27	4.98
	11/22/2003		17.66	10.02	7.64				17.27	7.25
	12/7/2003		17.66	11.08	6.58				17.26	6.18
	1/11/2004		17.66	12.01	5.65				17.26	5.25
	2/8/2004		17.66	12.33	5.33				17.25	4.92
	3/6/2004		17.66	10.41	7.25				17.25	6.84
	4/10/2004		17.66	14.54	3.12				17.25	2.71
	5/1/2004		17.66	10.90	6.76				17.24	6.34
	6/6/2004		17.66	15.48	2.18				17.24	1.76
	7/10/2004		17.66	11.84	5.82				17.23	5.39
	8/1/2004		17.66	14.33	3.33				17.23	2.90
	12/5/2004		17.66	11.95	5.71				17.21	5.26
	3/5/2005		17.66	12.63	5.03				17.20	4.57
	6/17/2005		17.66	11.35	6.31				17.18	5.83
	9/17/2005		17.66	11.72	5.94				17.17	5.45
	12/24/2005		17.66	9.69	7.97				17.15	7.46
	3/11/2006		17.66	10.30	7.36				17.14	6.84
	6/11/2006		17.66	12.25	5.41				17.13	4.88
	9/24/2006		17.66	11.44	6.22				17.11	5.67
	12/16/2006		17.66	10.84	6.82				17.10	6.26
	3/17/2007		17.66	10.25	7.41				17.08	6.83
	6/16/2007		17.66	14.02	3.64				17.07	3.05
	8/26/2007		17.66	11.03	6.63				17.06	6.03
	12/2/2007		17.66	12.21	5.45				17.03	4.82
	3/9/2008		17.66	12.46	5.20				17.01	4.55
	6/24/2008		17.66	13.30	4.36				16.99	3.69
	9/30/2008		17.66	9.50	8.16				16.97	7.47
	12/9/2008		17.66	12.53	5.13				16.95	4.42
	3/12/2009		17.66	12.03	5.63				16.93	4.90
	6/24/2009		17.66	9.89	7.77				16.90	7.01
	9/9/2009		17.66	10.13	7.53				16.89	6.76
	12/29/2009		17.66	13.35	4.31				16.86	3.51
	3/9/2010		17.66	13.30	4.36				16.84	3.54
	6/28/2010		17.66	10.48	7.18				16.82	6.34
9/24/2010		17.66	10.66	7.00				16.80	6.14	
12/27/2010		17.66	10.60	7.06				16.78	6.18	
3/28/2011		17.66	13.06	4.60				16.76	3.70	
5/6/2011		17.66	11.26	6.40				16.75	5.49	
9/30/2011		17.66	8.72	8.94				16.71	7.99	
11/10/2011		17.66	12.06	5.60				16.70	4.64	
3/3/2012		17.66	12.75	4.91				16.68	3.93	
5/18/2012		17.66	12.16	5.50				16.66	4.50	
12/20/2012		17.66	13.35	4.31				16.61	3.26	
3/8/2013		17.66	13.89	3.77				16.59	2.70	
6/26/2013		17.66	10.31	7.35				16.57	6.26	
9/12/2013		17.66	9.94	7.72				16.57	6.63	
12/30/2013		17.66	14.41	3.25				16.57	2.16	
3/26/2014		17.66	13.91	3.75				16.57	2.66	
6/19/2014		17.66	12.01	5.65				16.57	4.56	
9/29/2014		17.66	10.04	7.62				16.57	6.53	
12/9/2014		17.66	10.33	7.33				16.57	6.24	
3/17/2015		17.66	12.20	5.46				16.57	4.37	
6/22/2015		17.66	13.20	4.46				16.57	3.37	
GW-3a	8/19/1999	waste	20.18	14.28	5.90	19.65	18.98	18.04	20.18	5.90
	12/7/1999		20.18	14.06	6.12				20.14	6.08
	2/7/2000		20.18	14.15	6.03				20.11	5.96
	7/18/2000		20.18	13.86	6.32				20.04	6.18
	9/18/2000		20.18	13.85	6.33				20.02	6.17
	10/27/2000		20.18	13.96	6.22				20.00	6.04

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975



**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-3a	11/28/2000		20.18	13.64	6.54			19.99	6.35	
(cont.)	12/27/2000		20.18	13.86	6.32			19.98	6.12	
	1/30/2001		20.18	13.96	6.22			19.96	6.00	
	2/28/2001		20.18	13.66	6.52			19.95	6.29	
	3/28/2001		20.18	13.50	6.68			19.94	6.44	
	5/4/2001		20.18	13.68	6.50			19.93	6.25	
	5/31/2001		20.18	13.96	6.22			19.92	5.96	
	6/11/2001		20.18	13.64	6.54			19.91	6.27	
	7/31/2001		20.18	13.67	6.51			19.89	6.22	
	8/30/2001		20.18	13.71	6.47			19.88	6.17	
	9/24/2001		20.18	13.72	6.46			19.87	6.15	
	10/30/2001		20.18	13.56	6.62			19.85	6.29	
	11/28/2001		20.18	13.66	6.52			19.84	6.18	
	12/26/2001		20.18	13.53	6.65			19.83	6.30	
	1/7/2002		20.18	13.55	6.63			19.83	6.28	
	2/15/2002		20.18	13.40	6.78			19.81	6.41	
	3/18/2002		20.18	13.60	6.58			19.80	6.20	
	4/30/2002		20.18	13.38	6.80			19.78	6.40	
	5/30/2002		20.18	13.31	6.87			19.77	6.46	
	6/19/2002		20.18	13.37	6.81			19.76	6.39	
	7/14/2002		20.18	13.37	6.81			19.75	6.38	
	8/10/2002		20.18	13.39	6.79			19.74	6.35	
	9/21/2002		20.18	13.47	6.71			19.72	6.25	
	10/26/2002		20.18	13.35	6.83			19.71	6.36	
	11/16/2002		20.18	13.44	6.74			19.70	6.26	
	12/13/2002		20.18	13.45	6.73			19.69	6.24	
	1/11/2003		20.18	13.32	6.86			19.67	6.35	
	2/8/2003		20.18	13.30	6.88			19.66	6.36	
	3/13/2003		20.18	13.23	6.95			19.65	6.42	
	4/19/2003		20.18	13.21	6.97			19.62	6.41	
	5/23/2003		20.18	13.11	7.07			19.61	6.50	
	6/24/2003		20.18	13.33	6.85			19.59	6.26	
	7/18/2003		20.18	13.21	6.97			19.58	6.37	
	8/2/2003		20.18	13.22	6.96			19.58	6.36	
	9/22/2003		20.18	13.20	6.98			19.55	6.35	
	10/11/2003		20.18	13.24	6.94			19.55	6.31	
	11/22/2003		20.18	13.18	7.00			19.53	6.35	
	12/7/2003		20.18	13.12	7.06			19.52	6.40	
	1/11/2004		20.18	12.88	7.30			19.51	6.63	
	2/8/2004		20.18	13.05	7.13			19.50	6.45	
	3/6/2004		20.18	13.24	6.94			19.48	6.24	
	4/10/2004		20.18	12.97	7.21			19.47	6.50	
	5/1/2004		20.18	13.11	7.07			19.46	6.35	
	6/6/2004		20.18	12.94	7.24			19.45	6.51	
	7/10/2004		20.18	13.10	7.08			19.43	6.33	
	8/1/2004		20.18	13.03	7.15			19.42	6.39	
	12/5/2004		20.18	12.88	7.30			19.37	6.49	
	3/5/2005		20.18	12.68	7.50			19.33	6.65	
	6/17/2005		20.18	12.56	7.62			19.29	6.73	
	9/17/2005		20.18	12.72	7.46			19.25	6.53	
	12/24/2005		20.18	12.64	7.54			19.21	6.57	
	3/11/2006		20.18	12.27	7.91			19.17	6.90	
	6/11/2006		20.18	12.20	7.98			19.14	6.94	
	9/24/2006		20.18	12.49	7.69			19.09	6.60	
	12/16/2006		20.18	12.09	8.09			19.06	6.97	
	3/17/2007		20.18	12.37	7.81			19.02	6.65	
	6/16/2007		20.18	12.48	7.70			18.98	6.50	
	8/26/2007		20.18	12.49	7.69			18.96	6.47	
	12/2/2007		20.18	12.78	7.40			18.91	6.13	
	3/9/2008		20.18	12.37	7.81			18.87	6.50	
	6/24/2008		20.18	12.27	7.91			18.83	6.56	
	9/30/2008		20.18	12.31	7.87			18.78	6.47	
	12/9/2008		20.18	12.41	7.77			18.75	6.34	
	3/12/2009		20.18	12.15	8.03			18.71	6.56	
	6/24/2009		20.18	12.19	7.99			18.67	6.48	
	9/9/2009		20.18	12.09	8.09			18.63	6.54	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-3a (cont.)	12/29/2009		20.18	12.19	7.99				18.59	6.40
	3/9/2010		20.18	12.87	7.31				18.56	5.69
	6/28/2010		20.18	11.62	8.56				18.51	6.89
	9/24/2010		20.18	11.96	8.22				18.47	6.51
	12/27/2010		20.18	11.71	8.47				18.43	6.72
	3/28/2011		20.18	11.51	8.67				18.39	6.88
	5/6/2011		20.18	11.46	8.72				18.37	6.91
	9/30/2011		20.18	11.55	8.63				18.31	6.76
	11/10/2011		20.18	11.51	8.67				18.29	6.78
	3/3/2012		20.18	11.63	8.55				18.24	6.61
	5/18/2012		20.18	11.56	8.62				18.21	6.65
	12/20/2012		20.18	11.43	8.75				18.12	6.69
	3/8/2013		20.18	11.50	8.68				18.08	6.58
	6/26/2013		20.18	11.75	8.43				18.04	6.29
	9/12/2013		20.18	11.68	8.50				18.04	6.36
	12/30/2013		20.18	11.81	8.37				18.04	6.23
	3/26/2014		20.18	11.56	8.62				18.04	6.48
	6/19/2014		20.18	11.31	8.87				18.04	6.73
	9/29/2014		20.18	11.67	8.51				18.04	6.37
	12/9/2014		20.18	11.5	8.68				18.04	6.54
3/17/2015		20.18	11.21	8.97				18.04	6.83	
6/22/2015		20.18	11.39	8.79				18.04	6.65	
GW-4a	8/19/1999	reworked clayey silt	8.91	3.44	5.47	8.71	8.52	8.33	8.91	5.47
	12/7/1999		8.91	3.99	4.92				8.89	4.90
	2/7/2000		8.91	2.81	6.10				8.88	6.07
	7/18/2000		8.91	3.28	5.63				8.86	5.58
	9/18/2000		8.91	4.07	4.84				8.85	4.78
	10/27/2000		8.91	2.94	5.97				8.84	5.90
	11/28/2000		8.91	2.85	6.06				8.84	5.99
	12/27/2000		8.91	3.34	5.57				8.83	5.49
	1/30/2001		8.91	3.54	5.37				8.83	5.29
	2/28/2001		8.91	3.25	5.66				8.82	5.57
	3/28/2001		8.91	4.33	4.58				8.82	4.49
	5/4/2001		8.91	3.63	5.28				8.81	5.18
	5/31/2001		8.91	3.86	5.05				8.81	4.95
	6/11/2001		8.91	4.06	4.85				8.81	4.75
	7/31/2001		8.91	3.26	5.65				8.80	5.54
	8/30/2001		8.91	3.38	5.53				8.80	5.42
	9/24/2001		8.91	3.47	5.44				8.79	5.32
	10/30/2001		8.91	3.26	5.65				8.79	5.53
	11/28/2001		8.91	2.86	6.05				8.78	5.92
	12/26/2001		8.91	2.43	6.48				8.78	6.35
	1/7/2002		8.91	3.16	5.75				8.78	5.62
	2/15/2002		8.91	3.01	5.90				8.77	5.76
	3/18/2002		8.91	3.23	5.68				8.77	5.54
	4/30/2002		8.91	2.92	5.99				8.76	5.84
	5/30/2002		8.91	3.18	5.73				8.75	5.57
	6/19/2002		8.91	3.49	5.42				8.75	5.26
	7/14/2002		8.91	3.27	5.64				8.75	5.48
	8/10/2002		8.91	3.22	5.69				8.74	5.52
	9/21/2002		8.91	3.57	5.34				8.74	5.17
	10/26/2002		8.91	3.36	5.55				8.73	5.37
	11/16/2002		8.91	5.80	3.11				8.73	2.93
	12/13/2002		8.91	2.61	6.30				8.72	6.11
	1/11/2003		8.91	2.67	6.24				8.72	6.05
	2/8/2003		8.91	3.63	5.28				8.72	5.09
	3/13/2003		8.91	3.48	5.43				8.71	5.23
	4/19/2003		8.91	3.26	5.65				8.70	5.44
5/23/2003		8.91	3.38	5.53				8.70	5.32	
6/24/2003		8.91	3.76	5.15				8.69	4.93	
7/18/2003		8.91	3.50	5.41				8.69	5.19	
8/2/2003		8.91	3.52	5.39				8.69	5.17	
9/22/2003		8.91	2.95	5.96				8.68	5.73	
10/11/2003		8.91	3.60	5.31				8.68	5.08	
11/22/2003		8.91	2.86	6.05				8.68	5.82	

Notes:  
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 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-4a (cont.)	12/7/2003		8.91	2.28	6.63				8.67	6.39
	1/11/2004		8.91	2.73	6.18				8.67	5.94
	2/8/2004		8.91	3.25	5.66				8.67	5.42
	3/6/2004		8.91	3.09	5.82				8.66	5.57
	4/10/2004		8.91	3.42	5.49				8.66	5.24
	5/1/2004		8.91	3.68	5.23				8.66	4.98
	6/6/2004		8.91	3.05	5.86				8.65	5.60
	7/10/2004		8.91	3.22	5.69				8.65	5.43
	8/1/2004		8.91	3.00	5.91				8.65	5.65
	12/5/2004		8.91	3.55	5.36				8.63	5.08
	3/5/2005		8.91	2.65	6.26				8.62	5.97
	6/17/2005		8.91	3.42	5.49				8.61	5.19
	9/17/2005		8.91	3.22	5.69				8.60	5.38
	12/24/2005		8.91	2.44	6.47				8.58	6.14
	3/11/2006		8.91	2.07	6.84				8.58	6.51
	6/11/2006		8.91	3.09	5.82				8.56	5.47
	9/24/2006		8.91	3.28	5.63				8.55	5.27
	12/16/2006		8.91	2.12	6.79				8.54	6.42
	3/17/2007		8.91	3.83	5.08				8.53	4.70
	6/16/2007		8.91	3.14	5.77				8.52	5.38
	8/26/2007		8.91	3.05	5.86				8.52	5.47
	12/2/2007		8.91	3.55	5.36				8.51	4.96
	3/9/2008		8.91	3.66	5.25				8.50	4.84
	6/24/2008		8.91	3.74	5.17				8.49	4.75
	9/30/2008		8.91	2.38	6.53				8.48	6.10
	12/9/2008		8.91	3.33	5.58				8.47	5.14
	3/12/2009		8.91	2.21	6.70				8.47	6.26
	6/24/2009		8.91	2.10	6.81				8.46	6.36
	9/9/2009		8.91	2.01	6.90				8.45	6.44
	12/29/2009		8.91	2.78	6.13				8.44	5.66
	3/9/2010		8.91	3.32	5.59				8.43	5.11
	6/28/2010		8.91	2.53	6.38				8.42	5.89
	9/24/2010		8.91	3.11	5.80				8.42	5.31
	12/27/2010		8.91	2.00	6.91				8.41	6.41
	3/28/2011		8.91	2.73	6.18				8.40	5.67
	5/6/2011		8.91	3.11	5.80				8.40	5.29
	9/30/2011		8.91	1.76	7.15				8.38	6.62
	11/10/2011		8.91	2.97	5.94				8.38	5.41
	3/3/2012		8.91	3.06	5.85				8.37	5.31
	5/18/2012		8.91	3.40	5.51				8.36	4.96
	12/20/2012		8.91	3.40	5.51				8.35	4.95
3/8/2013		8.91	3.29	5.62				8.34	5.05	
6/26/2013		8.91	2.63	6.28				8.33	5.70	
9/12/2013		8.91	2.70	6.21				8.33	5.63	
12/30/2013		8.91	3.12	5.79				8.33	5.21	
3/26/2014		8.91	3.31	5.60				8.33	5.02	
6/19/2014		8.91	2.97	5.94				8.33	5.36	
9/29/2014		8.91	2.29	6.62				8.33	6.04	
12/9/2014		8.91	1.81	7.10				8.33	6.52	
3/17/2015		8.91	3.01	5.90				8.33	5.32	
6/22/2015		8.91	3.57	5.34				8.33	4.76	
GW-5a	8/19/1999	reworked clayey silt	12.34	5.94	6.40	11.93	11.55	11.23	12.34	6.40
	12/7/1999		12.34	5.74	6.60				12.31	6.57
	2/7/2000		12.34	5.03	7.31				12.29	7.26
	7/18/2000		12.34	4.48	7.86				12.23	7.75
	9/18/2000		12.34	5.13	7.21				12.22	7.09
	10/27/2000		12.34	4.90	7.44				12.20	7.30
	11/28/2000		12.34	4.51	7.83				12.19	7.68
	12/27/2000		12.34	5.11	7.23				12.18	7.07
	1/30/2001		12.34	5.91	6.43				12.17	6.26
	2/28/2001		12.34	5.03	7.31				12.16	7.13
	3/28/2001		12.34	5.30	7.04				12.16	6.86
	5/4/2001		12.34	6.33	6.01				12.14	5.81
	5/31/2001		12.34	5.57	6.77				12.14	6.57
	6/11/2001		12.34	5.58	6.76				12.13	6.55

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
					Original GW Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)		
GW-5a (cont.)	7/31/2001		12.34	5.41	6.93			12.12	6.71
	8/30/2001		12.34	5.40	6.94			12.11	6.71
	9/24/2001		12.34	5.39	6.95			12.10	6.71
	10/30/2001		12.34	5.58	6.76			12.09	6.51
	11/28/2001		12.34	5.52	6.82			12.08	6.56
	12/26/2001		12.34	5.00	7.34			12.07	7.07
	1/7/2002		12.34	4.86	7.48			12.07	7.21
	2/15/2002		12.34	5.01	7.33			12.05	7.04
	3/18/2002		12.34	5.21	7.13			12.04	6.83
	4/30/2002		12.34	4.69	7.65			12.03	7.34
	5/30/2002		12.34	4.96	7.38			12.02	7.06
	6/19/2002		12.34	5.07	7.27			12.01	6.94
	7/14/2002		12.34	6.26	6.08			12.01	5.75
	8/10/2002		12.34	5.52	6.82			12.00	6.48
	9/21/2002		12.34	5.46	6.88			11.98	6.52
	10/26/2002		12.34	6.02	6.32			11.97	5.95
	11/16/2002		12.34	4.97	7.37			11.97	7.00
	12/13/2002		12.34	5.15	7.19			11.96	6.81
	1/11/2003		12.34	5.32	7.02			11.95	6.63
	2/8/2003		12.34	5.01	7.33			11.94	6.93
	3/13/2003		12.34	4.71	7.63			11.93	7.22
	4/19/2003		12.34	5.53	6.81			11.91	6.38
	5/23/2003		12.34	4.69	7.65			11.91	7.22
	6/24/2003		12.34	5.05	7.29			11.90	6.85
	7/18/2003		12.34	6.00	6.34			11.89	5.89
	8/2/2003		12.34	5.44	6.90			11.89	6.45
	9/22/2003		12.34	4.98	7.36			11.88	6.90
	10/11/2003		12.34	5.51	6.83			11.87	6.36
	11/22/2003		12.34	4.58	7.76			11.86	7.28
	12/7/2003		12.34	4.49	7.85			11.86	7.37
	1/11/2004		12.34	5.02	7.32			11.85	6.83
	2/8/2004		12.34	4.72	7.62			11.84	7.12
	3/6/2004		12.34	4.60	7.74			11.84	7.24
	4/10/2004		12.34	5.45	6.89			11.83	6.38
	5/1/2004		12.34	4.69	7.65			11.82	7.13
	6/6/2004		12.34	5.24	7.10			11.81	6.57
	7/10/2004		12.34	5.92	6.42			11.81	5.89
	8/1/2004		12.34	5.15	7.19			11.80	6.65
	12/5/2004		12.34	5.18	7.16			11.77	6.59
	3/5/2005		12.34	4.90	7.44			11.75	6.85
6/17/2005		12.34	4.90	7.44			11.72	6.82	
9/17/2005		12.34	5.85	6.49			11.70	5.85	
12/24/2005		12.34	4.59	7.75			11.68	7.09	
3/11/2006		12.34	4.33	8.01			11.66	7.33	
6/11/2006		12.34	4.57	7.77			11.64	7.07	
9/24/2006		12.34	4.95	7.39			11.61	6.66	
12/16/2006		12.34	4.12	8.22			11.59	7.47	
3/17/2007		12.34	4.30	8.04			11.57	7.27	
6/16/2007		12.34	5.34	7.00			11.55	6.21	
8/26/2007		12.34	5.10	7.24			11.54	6.44	
12/2/2007		12.34	5.37	6.97			11.53	6.16	
3/9/2008		12.34	4.42	7.92			11.51	7.09	
6/24/2008		12.34	5.32	7.02			11.50	6.18	
9/30/2008		12.34	4.87	7.47			11.48	6.61	
12/9/2008		12.34	5.26	7.08			11.47	6.21	
3/12/2009		12.34	4.87	7.47			11.46	6.59	
6/24/2009		12.34	4.44	7.90			11.44	7.00	
9/9/2009		12.34	5.04	7.30			11.43	6.39	
12/29/2009		12.34	5.45	6.89			11.42	5.97	
3/9/2010		12.34	4.35	7.99			11.41	7.06	
6/28/2010		12.34	4.31	8.03			11.39	7.08	
9/24/2010		12.34	4.85	7.49			11.38	6.53	
12/27/2010		12.34	3.85	8.49			11.36	7.51	
3/28/2011		12.34	4.47	7.87			11.35	6.88	
5/6/2011		12.34	4.07	8.27			11.34	7.27	
9/30/2011		12.34	4.50	7.84			11.32	6.82	

Notes:  
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Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-5a (cont.)	11/10/2011		12.34	4.59	7.75				11.32	6.73
	3/3/2012		12.34	5.18	7.16				11.30	6.12
	5/18/2012		12.34	4.62	7.72				11.29	6.67
	12/20/2012		12.34	4.90	7.44				11.26	6.36
	3/8/2013		12.34	4.83	7.51				11.24	6.41
	6/26/2013		12.34	4.18	8.16				11.23	7.05
	9/12/2013		12.34	3.77	8.57				11.23	7.46
	12/30/2013		12.34	4.74	7.60				11.23	6.49
	3/26/2014		12.34	5.14	7.20				11.23	6.09
	6/19/2014		12.34	4.97	7.37				11.23	6.26
	9/29/2014		12.34	5.22	7.12				11.23	6.01
	12/9/2014		12.34	4.58	7.76				11.23	6.65
	3/17/2015		12.34	4.51	7.83				11.23	6.72
	6/22/2015		12.34	5.11	7.23				11.23	6.12
	GW-6a	8/19/1999	waste/reworked clayey silt	13.27	2.83	10.44	12.93	12.63	12.29	13.27
12/7/1999			13.27	8.30	4.97				13.24	4.94
2/7/2000			13.27	8.15	5.12				13.23	5.08
7/18/2000			13.27	7.93	5.34				13.18	5.25
9/18/2000			13.27	8.11	5.16				13.17	5.06
10/27/2000			13.27	8.42	4.85				13.16	4.74
11/28/2000			13.27	7.88	5.39				13.15	5.27
12/27/2000			13.27	6.36	6.91				13.14	6.78
1/30/2001			13.27	8.12	5.15				13.13	5.01
2/28/2001			13.27	8.72	4.55				13.12	4.40
3/28/2001			13.27	7.81	5.46				13.12	5.31
5/4/2001			13.27	7.87	5.40				13.11	5.24
5/31/2001			13.27	7.81	5.46				13.10	5.29
6/11/2001			13.27	11.84	1.43				13.10	1.26
7/31/2001			13.27	7.87	5.40				13.08	5.21
8/30/2001			13.27	8.89	4.38				13.08	4.19
9/24/2001			13.27	7.95	5.32				13.07	5.12
10/30/2001			13.27	7.88	5.39				13.06	5.18
11/28/2001			13.27	7.90	5.37				13.05	5.15
12/26/2001			13.27	7.75	5.52				13.05	5.30
1/7/2002			13.27	7.78	5.49				13.04	5.26
2/15/2002			13.27	7.54	5.73				13.03	5.49
3/18/2002			13.27	7.90	5.37				13.02	5.12
4/30/2002			13.27	7.58	5.69				13.01	5.43
5/30/2002			13.27	7.62	5.65				13.00	5.38
6/19/2002			13.27	7.74	5.53				13.00	5.26
7/14/2002			13.27	7.62	5.65				12.99	5.37
8/10/2002			13.27	7.65	5.62				12.99	5.34
9/21/2002			13.27	7.72	5.55				12.98	5.26
10/26/2002			13.27	7.69	5.58				12.97	5.28
11/16/2002			13.27	7.69	5.58				12.96	5.27
12/13/2002			13.27	7.68	5.59				12.95	5.27
1/11/2003			13.27	7.33	5.94				12.95	5.62
2/8/2003			13.27	7.45	5.82				12.94	5.49
3/13/2003			13.27	7.32	5.95				12.93	5.61
4/19/2003			13.27	7.61	5.66				12.92	5.31
5/23/2003			13.27	7.46	5.81				12.91	5.45
6/24/2003			13.27	7.64	5.63				12.90	5.26
7/18/2003		13.27	7.51	5.76				12.90	5.39	
8/2/2003		13.27	7.54	5.73				12.90	5.36	
9/22/2003		13.27	7.46	5.81				12.89	5.43	
10/11/2003		13.27	7.60	5.67				12.88	5.28	
11/22/2003		13.27	7.67	5.60				12.88	5.21	
12/7/2003		13.27	7.46	5.81				12.87	5.41	
1/11/2004		13.27	7.19	6.08				12.87	5.68	
2/8/2004		13.27	7.40	5.87				12.86	5.46	
3/6/2004		13.27	7.36	5.91				12.86	5.50	
4/10/2004		13.27	7.29	5.98				12.85	5.56	
5/1/2004		13.27	7.51	5.76				12.85	5.34	
6/6/2004		13.27	7.35	5.92				12.84	5.49	
7/10/2004		13.27	7.43	5.84				12.83	5.40	

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Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-6a (cont.)	8/1/2004		13.27	7.42	5.85				12.83	5.41
	12/5/2004		13.27	7.35	5.92				12.80	5.45
	3/5/2005		13.27	6.87	6.40				12.79	5.92
	6/17/2005		13.27	6.96	6.31				12.77	5.81
	9/17/2005		13.27	7.09	6.18				12.75	5.66
	12/24/2005		13.27	7.03	6.24				12.73	5.70
	3/11/2006		13.27	6.60	6.67				12.72	6.12
	6/11/2006		13.27	6.60	6.67				12.70	6.10
	9/24/2006		13.27	6.99	6.28				12.68	5.69
	12/16/2006		13.27	6.75	6.52				12.66	5.91
	3/17/2007		13.27	7.00	6.27				12.65	5.65
	6/16/2007		13.27	7.16	6.11				12.63	5.47
	8/26/2007		13.27	7.08	6.19				12.62	5.54
	12/2/2007		13.27	7.40	5.87				12.61	5.21
	3/9/2008		13.27	7.03	6.24				12.59	5.56
	6/24/2008		13.27	7.09	6.18				12.57	5.48
	9/30/2008		13.27	7.00	6.27				12.56	5.56
	12/9/2008		13.27	7.28	5.99				12.55	5.27
	3/12/2009		13.27	7.03	6.24				12.53	5.50
	6/24/2009		13.27	6.95	6.32				12.52	5.57
	9/9/2009		13.27	6.78	6.49				12.50	5.72
	12/29/2009		13.27	7.03	6.24				12.49	5.46
	3/9/2010		13.27	6.79	6.48				12.48	5.69
	6/28/2010		13.27	6.75	6.52				12.46	5.71
	9/24/2010		13.27	6.85	6.42				12.45	5.60
	12/27/2010		13.27	6.62	6.65				12.43	5.81
	3/28/2011		13.27	6.45	6.82				12.42	5.97
	5/6/2011		13.27	6.52	6.75				12.41	5.89
	9/30/2011		13.27	6.52	6.75				12.39	5.87
	11/10/2011		13.27	6.62	6.65				12.38	5.76
	3/3/2012		13.27	6.90	6.37				12.36	5.46
	5/18/2012		13.27	6.86	6.41				12.35	5.49
	12/20/2012		13.27	6.77	6.50				12.32	5.55
3/8/2013		13.27	6.86	6.41				12.31	5.45	
6/26/2013		13.27	6.92	6.35				12.29	5.37	
9/12/2013		13.27	6.83	6.44				12.29	5.46	
12/30/2013		13.27	7.13	6.14				12.29	5.16	
3/26/2014		13.27	7.02	6.25				12.29	5.27	
6/19/2014		13.27	6.97	6.30				12.29	5.32	
9/29/2014		13.27	6.95	6.32				12.29	5.34	
12/9/2014		13.27	6.72	6.55				12.29	5.57	
3/17/2015		13.27	6.62	6.65				12.29	5.67	
6/2/2015		13.27	6.85	6.42				12.29	5.44	
GW-7a	8/19/1999	gravel fill	10.45	5.64	4.81	10.42	10.30	10.27	10.45	4.81
	12/7/1999		10.45	4.95	5.50				10.45	5.50
	2/7/2000		10.45	4.71	5.74				10.45	5.74
	7/18/2000		10.45	4.68	5.77				10.44	5.76
	9/18/2000		10.45	4.81	5.64				10.44	5.63
	10/27/2000		10.45	4.52	5.93				10.44	5.92
	11/28/2000		10.45	4.51	5.94				10.44	5.93
	12/27/2000		10.45	5.02	5.43				10.44	5.42
	1/30/2001		10.45	5.54	4.91				10.44	4.90
	2/28/2001		10.45	4.70	5.75				10.44	5.74
	3/28/2001		10.45	4.83	5.62				10.44	5.61
	5/4/2001		10.45	4.71	5.74				10.44	5.73
	5/31/2001		10.45	4.66	5.79				10.44	5.78
	6/11/2001		10.45	4.74	5.71				10.43	5.69
	7/31/2001		10.45	4.61	5.84				10.43	5.82
	8/30/2001		10.45	4.56	5.89				10.43	5.87
	9/24/2001		10.45	4.69	5.76				10.43	5.74
	10/30/2001		10.45	4.69	5.76				10.43	5.74
11/28/2001		10.45	4.52	5.93				10.43	5.91	
12/26/2001		10.45	4.51	5.94				10.43	5.92	
1/7/2002		10.45	4.51	5.94				10.43	5.92	
2/15/2002		10.45	4.50	5.95				10.43	5.93	

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					Original GW Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)		
GW-7a	3/18/2002		10.45	4.80	5.65			10.43	5.63
(cont.)	4/30/2002		10.45	4.55	5.90			10.43	5.88
	5/30/2002		10.45	4.56	5.89			10.43	5.87
	6/19/2002		10.45	4.68	5.77			10.43	5.75
	7/14/2002		10.45	4.50	5.95			10.43	5.93
	8/10/2002		10.45	4.42	6.03			10.42	6.00
	9/21/2002		10.45	4.67	5.78			10.42	5.75
	10/26/2002		10.45	4.73	5.72			10.42	5.69
	11/16/2002		10.45	4.65	5.80			10.42	5.77
	12/13/2002		10.45	4.32	6.13			10.42	6.10
	1/11/2003		10.45	4.21	6.24			10.42	6.21
	2/8/2003		10.45	4.63	5.82			10.42	5.79
	3/13/2003		10.45	4.58	5.87			10.42	5.84
	4/19/2003		10.45	4.62	5.83			10.41	5.79
	5/23/2003		10.45	4.62	5.83			10.41	5.79
	6/24/2003		10.45	4.73	5.72			10.41	5.68
	7/18/2003		10.45	4.60	5.85			10.41	5.81
	8/2/2003		10.45	4.61	5.84			10.41	5.80
	9/22/2003		10.45	4.45	6.00			10.40	5.95
	10/11/2003		10.45	4.68	5.77			10.40	5.72
	11/22/2003		10.45	4.46	5.99			10.40	5.94
	12/7/2003		10.45	4.09	6.36			10.40	6.31
	1/11/2004		10.45	4.38	6.07			10.39	6.01
	2/8/2004		10.45	4.73	5.72			10.39	5.66
	3/6/2004		10.45	4.84	5.61			10.39	5.55
	4/10/2004		10.45	4.42	6.03			10.39	5.97
	5/1/2004		10.45	4.78	5.67			10.39	5.61
	6/6/2004		10.45	4.36	6.09			10.38	6.02
	7/10/2004		10.45	4.57	5.88			10.38	5.81
	8/1/2004		10.45	4.31	6.14			10.38	6.07
	12/5/2004		10.45	4.35	6.10			10.37	6.02
	3/5/2005		10.45	4.24	6.21			10.36	6.12
	6/17/2005		10.45	5.54	4.91			10.36	4.82
	9/17/2005		10.45	4.58	5.87			10.35	5.77
	12/24/2005		10.45	4.35	6.10			10.34	5.99
	3/11/2006		10.45	4.09	6.36			10.33	6.24
	6/11/2006		10.45	4.29	6.16			10.33	6.04
	9/24/2006		10.45	4.48	5.97			10.32	5.84
	12/16/2006		10.45	3.95	6.50			10.31	6.36
	3/17/2007		10.45	4.59	5.86			10.31	5.72
	6/16/2007		10.45	4.30	6.15			10.30	6.00
	8/26/2007		10.45	4.40	6.05			10.30	5.90
	12/2/2007		10.45	4.60	5.85			10.30	5.70
	3/9/2008		10.45	4.56	5.89			10.30	5.74
	6/24/2008		10.45	4.53	5.92			10.30	5.77
	9/30/2008		10.45	4.02	6.43			10.29	6.27
	12/9/2008		10.45	4.60	5.85			10.29	5.69
	3/12/2009		10.45	3.91	6.54			10.29	6.38
	6/24/2009		10.45	3.89	6.56			10.29	6.40
	9/9/2009		10.45	3.74	6.71			10.29	6.55
	12/29/2009		10.45	4.29	6.16			10.29	6.00
	3/9/2010		10.45	4.43	6.02			10.29	5.86
	6/28/2010		10.45	3.91	6.54			10.28	6.37
	9/24/2010		10.45	4.32	6.13			10.28	5.96
	12/27/2010		10.45	4.03	6.42			10.28	6.25
	3/28/2011		10.45	4.25	6.20			10.28	6.03
	5/6/2011		10.45	4.26	6.19			10.28	6.02
	9/30/2011		10.45	3.92	6.53			10.28	6.36
	11/10/2011		10.45	4.15	6.30			10.28	6.13
	3/3/2012		10.45	4.16	6.29			10.28	6.12
	5/18/2012		10.45	4.21	6.24			10.28	6.07
	12/20/2012		10.45	4.11	6.34			10.27	6.16
	3/8/2013		10.45	4.35	6.10			10.27	5.92
	6/26/2013		10.45	4.08	6.37			10.27	6.19
	9/12/2013		10.45	4.11	6.34			10.27	6.16
	12/30/2013		10.45	4.54	5.91			10.27	5.73

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						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-7a (cont.)	3/26/2014		10.45	4.21	6.24				10.27	6.06
	6/19/2014		10.45	4.11	6.34				10.27	6.16
	9/29/2014		10.45	4.00	6.45				10.27	6.27
	12/9/2014		10.45	3.60	6.85				10.27	6.67
	3/17/2015		10.45	4.33	6.12				10.27	5.94
	6/22/2015		10.45	4.26	6.19				10.27	6.01
GW-8c	8/19/1999	bedrock	58.66	39.98	18.68	58.65	58.65	58.65	58.66	18.68
	12/7/1999		58.66	40.72	17.94				58.66	17.94
	2/7/2000		58.66	36.75	21.91				58.66	21.91
	7/18/2000		58.66	38.48	20.18				58.66	20.18
	9/18/2000		58.66	39.01	19.65				58.66	19.65
	10/27/2000		58.66	40.35	18.31				58.66	18.31
	11/28/2000		58.66	39.53	19.13				58.66	19.13
	12/27/2000		58.66	39.28	19.38				58.66	19.38
	1/30/2001		58.66	38.33	20.33				58.66	20.33
	2/28/2001		58.66	33.05	25.61				58.66	25.61
	3/28/2001		58.66	33.81	24.85				58.66	24.85
	5/4/2001		58.66	36.26	22.40				58.66	22.40
	5/31/2001		58.66	37.62	21.04				58.66	21.04
	6/11/2001		58.66	37.70	20.96				58.65	20.95
	7/31/2001		58.66	39.52	19.14				58.65	19.13
	8/30/2001		58.66	39.94	18.72				58.65	18.71
	9/24/2001		58.66	40.16	18.50				58.65	18.49
	10/30/2001		58.66	41.51	17.15				58.65	17.14
	11/28/2001		58.66	39.55	19.11				58.65	19.10
	12/26/2001		58.66	36.37	22.29				58.65	22.28
	1/7/2002		58.66	29.40	29.26				58.65	29.25
	2/15/2002		58.66	33.90	24.76				58.65	24.75
	3/18/2002		58.66	34.30	24.36				58.65	24.35
	4/30/2002		58.66	36.34	22.32				58.65	22.31
	5/30/2002		58.66	37.59	21.07				58.65	21.06
	6/19/2002		58.66	38.00	20.66				58.65	20.65
	7/14/2002		58.66	39.06	19.60				58.65	19.59
	8/10/2002		58.66	39.62	19.04				58.65	19.03
	9/21/2002		58.66	40.13	18.53				58.65	18.52
	10/26/2002		58.66	40.47	18.19				58.65	18.18
	11/16/2002		58.66	40.02	18.64				58.65	18.63
	12/13/2002		58.66	39.89	18.77				58.65	18.76
	1/11/2003		58.66	29.71	28.95				58.65	28.94
	2/8/2003		58.66	32.37	26.29				58.65	26.28
	3/13/2003		58.66	33.59	25.07				58.65	25.06
	4/19/2003		58.66	33.66	25.00				58.65	24.99
	5/23/2003		58.66	33.90	24.76				58.65	24.75
	6/24/2003		58.66	35.59	23.07				58.65	23.06
	7/18/2003		58.66	37.89	20.77				58.65	20.76
	8/2/2003		58.66	38.54	20.12				58.65	20.11
	9/22/2003		58.66	39.42	19.24				58.65	19.23
	10/11/2003		58.66	39.98	18.68				58.65	18.67
	11/22/2003		58.66	39.98	18.68				58.65	18.67
	12/7/2003		58.66	38.37	20.29				58.65	20.28
	1/11/2004		58.66	30.66	28.00				58.65	27.99
	2/8/2004		58.66	32.17	26.49				58.65	26.48
	3/6/2004		58.66	29.47	29.19				58.65	29.18
4/10/2004		58.66	33.36	25.30				58.65	25.29	
5/1/2004		58.66	35.41	23.25				58.65	23.24	
6/6/2004		58.66	37.71	20.95				58.65	20.94	
7/10/2004		58.66	38.93	19.73				58.65	19.72	
8/1/2004		58.66	39.42	19.24				58.65	19.23	
12/5/2004		58.66	38.39	20.27				58.65	20.26	
3/5/2005		58.66	26.46	32.20				58.65	32.19	
6/17/2005		58.66	34.20	24.46				58.65	24.45	
9/17/2005		58.66	38.96	19.70				58.65	19.69	
12/24/2005		58.66	37.10	21.56				58.65	21.55	
3/11/2006		58.66	26.76	31.90				58.65	31.89	
6/11/2006		58.66	32.32	26.34				58.65	26.33	

Notes:  
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Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-8c (cont.)	9/24/2006		58.66	38.68	19.98				58.65	19.97
	12/16/2006		58.66	37.18	21.48				58.65	21.47
	3/17/2007		58.66	34.93	23.73				58.65	23.72
	6/16/2007		58.66	38.09	20.57				58.65	20.56
	8/26/2007		58.66	39.59	19.07				58.65	19.06
	12/2/2007		58.66	39.88	18.78				58.65	18.77
	3/9/2008		58.66	30.43	28.23				58.65	28.22
	6/24/2008		58.66	38.22	20.44				58.65	20.43
	9/30/2008		58.66	39.85	18.81				58.65	18.80
	12/9/2008		58.66	40.22	18.44				58.65	18.43
	3/12/2009		58.66	36.21	22.45				58.65	22.44
	6/24/2009		58.66	38.09	20.57				58.65	20.56
	9/9/2009		58.66	37.20	21.46				58.65	21.45
	12/29/2009		58.66	37.53	21.13				58.65	21.12
	3/9/2010		58.66	26.25	32.41				58.65	32.40
	6/28/2010		58.66	35.52	23.14				58.65	23.13
	9/24/2010		58.66	38.90	19.76				58.65	19.75
	12/27/2010		58.66	29.82	28.84				58.65	28.83
	3/28/2011		58.66	21.14	37.52				58.65	37.51
	5/6/2011		58.66	29.93	28.73				58.65	28.72
	9/30/2011		58.66	38.69	19.97				58.65	19.96
	11/10/2011		58.66	39.26	19.40				58.65	19.39
	3/3/2012		58.66	35.17	23.49				58.65	23.48
	5/18/2012		58.66	34.42	24.24				58.65	24.23
	12/20/2012		58.66	28.13	30.53				58.65	30.52
	3/8/2013		58.66	34.40	24.26				58.65	24.25
	6/26/2013		58.66	38.91	19.75				58.65	19.74
	9/12/2013		58.66	39.96	18.70				58.65	18.69
	12/30/2013		58.66	40.43	18.23				58.65	18.22
	3/26/2014		58.66	37.48	21.18				58.65	21.17
	6/19/2014		58.66	38.48	20.18				58.65	20.17
	9/29/2014		58.66	40.19	18.47				58.65	18.46
	12/9/2014		58.66	36.86	21.80				58.65	21.79
	3/17/2015		58.66	33.83	24.83				58.65	24.82
6/22/2015		58.66	38.02	20.64				58.65	20.63	
GW-9a	8/19/1999	gravelly clay	36.50			36.47	36.45	36.44	36.50	
	12/7/1999		36.50	24.75	11.75				36.50	11.75
	2/7/2000		36.50	23.67	12.83				36.50	12.83
	7/18/2000		36.50	24.83	11.67				36.50	11.67
	9/18/2000		36.50	24.79	11.71				36.50	11.71
	10/27/2000		36.50	24.75	11.75				36.50	11.75
	11/28/2000		36.50	24.27	12.23				36.49	12.22
	12/27/2000		36.50	25.10	11.40				36.49	11.39
	1/30/2001		36.50	24.64	11.86				36.49	11.85
	2/28/2001		36.50	22.79	13.71				36.49	13.70
	3/28/2001		36.50	24.85	11.65				36.49	11.64
	5/4/2001		36.50	24.16	12.34				36.49	12.33
	5/31/2001		36.50	24.78	11.72				36.49	11.71
	6/11/2001		36.50	25.04	11.46				36.49	11.45
	7/31/2001		36.50	DRY					36.49	
	8/30/2001		36.50	DRY					36.49	
	9/24/2001		36.50	DRY					36.48	
	10/30/2001		36.50	DRY					36.48	
	11/28/2001		36.50	DRY					36.48	
	12/26/2001		36.50	23.04	13.46				36.48	13.44
	1/7/2002		36.50	22.62	13.88				36.48	13.86
	2/15/2002		36.50	23.81	12.69				36.48	12.67
	3/18/2002		36.50	23.58	12.92				36.48	12.90
	4/30/2002		36.50	25.04	11.46				36.48	11.44
	5/30/2002		36.50	25.55	10.95				36.48	10.93
	6/19/2002		36.50	25.96	10.54				36.48	10.52
7/14/2002		36.50	DRY					36.47		
8/10/2002		36.50	DRY					36.47		
9/21/2002		36.50	DRY					36.47		
10/26/2002		36.50	25.91	10.59				36.47	10.56	

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Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
					Original GW Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)		
GW-9a	11/16/2002		36.50	25.42	11.08			36.47	11.05
(cont.)	12/13/2002		36.50	25.79	10.71			36.47	10.68
	1/11/2003		36.50	22.77	13.73			36.47	13.70
	2/8/2003		36.50	24.66	11.84			36.47	11.81
	3/13/2003		36.50	24.68	11.82			36.47	11.79
	4/19/2003		36.50	23.74	12.76			36.47	12.73
	5/23/2003		36.50	24.08	12.42			36.47	12.39
	6/24/2003		36.50	25.06	11.44			36.47	11.41
	7/18/2003		36.50	DRY				36.47	
	8/2/2003		36.50	DRY				36.47	
	9/22/2003		36.50	DRY				36.47	
	10/11/2003		36.50	DRY				36.47	
	11/22/2003		36.50	25.59	10.91			36.47	10.88
	12/7/2003		36.50	23.77	12.73			36.47	12.70
	1/11/2004		36.50	22.75	13.75			36.47	13.72
	2/8/2004		36.50	23.37	13.13			36.47	13.10
	3/6/2004		36.50	23.31	13.19			36.47	13.16
	4/10/2004		36.50	24.55	11.95			36.46	11.91
	5/1/2004		36.50	25.13	11.37			36.46	11.33
	6/6/2004		36.50	25.85	10.65			36.46	10.61
	7/10/2004		36.50	DRY				36.46	
	8/1/2004		36.50	DRY				36.46	
	12/5/2004		36.50	25.26	11.24			36.46	11.20
	3/5/2005		36.50	23.65	12.85			36.46	12.81
	6/17/2005		36.50	24.22	12.28			36.46	12.24
	9/17/2005		36.50	DRY				36.46	
	12/24/2005		36.50	23.60	12.90			36.46	12.86
	3/11/2006		36.50	23.34	13.16			36.46	13.12
	6/11/2006		36.50	24.06	12.44			36.45	12.39
	9/24/2006		36.50	25.34	11.16			36.45	11.11
	12/16/2006		36.50	23.46	13.04			36.45	12.99
	3/17/2007		36.50	24.32	12.18			36.45	12.13
	6/16/2007		36.50	25.33	11.17			36.45	11.12
	8/26/2007		36.50	25.15	11.35			36.45	11.30
	12/2/2007		36.50	25.74	10.76			36.45	10.71
	3/9/2008		36.50	24.06	12.44			36.45	12.39
	6/24/2008		36.50	DRY				36.45	
	9/30/2008		36.50	20.97	15.53			36.45	15.48
	12/9/2008		36.50	20.97	15.53			36.45	15.48
	3/12/2009		36.50	23.89	12.61			36.45	12.56
	6/24/2009		36.50	25.76	10.74			36.45	10.69
	9/9/2009		36.50	23.90	12.60			36.45	12.55
	12/29/2009		36.50	23.89	12.61			36.45	12.56
	3/9/2010		36.50	23.34	13.16			36.45	13.11
	6/28/2010		36.50	25.25	11.25			36.44	11.19
	9/24/2010		36.50	DRY				36.44	
	12/27/2010		36.50	23.36	13.14			36.44	13.08
	3/28/2011		36.50	OVERGROWN				36.44	
	5/6/2011		36.50	24.03	12.47			36.44	12.41
	9/30/2011		36.50	25.75	10.75			36.44	10.69
	11/10/2011		36.50	24.60	11.90			36.44	11.84
	3/3/2012		36.50	23.07	13.43			36.44	13.37
	5/18/2012		36.50	DRY				36.44	
	12/20/2012		36.50	24.21	12.29			36.44	12.23
	3/8/2013		36.50	24.26	12.24			36.44	12.18
	6/26/2013		36.50	DRY				36.44	
	9/12/2013		36.50	DRY				36.44	
	12/30/2013		36.50	DRY				36.44	
	3/26/2014		36.50	24.53	11.97			36.44	11.91
	6/19/2014		36.50	DRY				36.44	
	9/29/2014		36.50	25.55	10.95			36.44	10.89
	12/9/2014		36.50	23.92	12.58			36.44	12.52
	3/17/2015		36.50	24.71	11.79			36.44	11.73
	6/22/2015		36.50	25.61	10.89			36.44	10.83

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						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-10a	8/19/1999	waste	24.16	18.85	5.31	23.80	23.46	23.12	24.16	5.31
	12/7/1999		24.16	18.87	5.29				24.13	5.26
	2/7/2000		24.16	18.87	5.29				24.11	5.24
	7/18/2000		24.16	18.39	5.77				24.07	5.68
	9/18/2000		24.16	18.51	5.65				24.05	5.54
	10/27/2000		24.16	18.61	5.55				24.04	5.43
	11/28/2000		24.16	18.51	5.65				24.03	5.52
	12/27/2000		24.16	18.55	5.61				24.02	5.47
	1/30/2001		24.16	18.67	5.49				24.01	5.34
	2/28/2001		24.16	18.32	5.84				24.01	5.69
	3/28/2001		24.16	18.13	6.03				24.00	5.87
	5/4/2001		24.16	18.91	5.25				23.99	5.08
	5/31/2001		24.16	18.21	5.95				23.98	5.77
	6/11/2001		24.16	18.21	5.95				23.98	5.77
	7/31/2001		24.16	18.47	5.69				23.96	5.49
	8/30/2001		24.16	18.51	5.65				23.95	5.44
	9/24/2001		24.16	18.52	5.64				23.95	5.43
	10/30/2001		24.16	18.59	5.57				23.94	5.35
	11/28/2001		24.16	18.51	5.65				23.93	5.42
	GW-10a (cont.)	12/26/2001		24.16	18.42	5.74				23.92
1/7/2002			24.16	18.41	5.75				23.92	5.51
2/15/2002			24.16	17.96	6.20				23.91	5.95
3/18/2002			24.16	18.15	6.01				23.90	5.75
4/30/2002			24.16	17.98	6.18				23.89	5.91
5/30/2002			24.16	18.01	6.15				23.88	5.87
6/19/2002			24.16	18.20	5.96				23.87	5.67
7/14/2002			24.16	18.22	5.94				23.87	5.65
8/10/2002			24.16	18.28	5.88				23.86	5.58
9/21/2002			24.16	18.45	5.71				23.85	5.40
10/26/2002			24.16	18.48	5.68				23.84	5.36
11/16/2002			24.16	18.50	5.66				23.83	5.33
12/13/2002			24.16	18.57	5.59				23.82	5.25
1/11/2003			24.16	18.15	6.01				23.82	5.67
2/8/2003			24.16	18.06	6.10				23.81	5.75
3/13/2003			24.16	18.03	6.13				23.80	5.77
4/19/2003			24.16	18.04	6.12				23.79	5.75
5/23/2003			24.16	17.94	6.22				23.78	5.84
6/24/2003			24.16	18.20	5.96				23.77	5.57
7/18/2003			24.16	18.13	6.03				23.77	5.64
8/2/2003			24.16	18.18	5.98				23.76	5.58
9/22/2003			24.16	18.13	6.03				23.75	5.62
10/11/2003			24.16	18.27	5.89				23.75	5.48
11/22/2003			24.16	18.37	5.79				23.74	5.37
12/7/2003			24.16	18.36	5.80				23.74	5.38
1/11/2004			24.16	17.94	6.22				23.73	5.79
2/8/2004			24.16	17.94	6.22				23.72	5.78
3/6/2004			24.16	17.88	6.28				23.72	5.84
4/10/2004			24.16	17.64	6.52				23.71	6.07
5/1/2004			24.16	17.80	6.36				23.70	5.90
6/6/2004			24.16	17.89	6.27				23.70	5.81
7/10/2004			24.16	18.04	6.12				23.69	5.65
8/1/2004			24.16	18.13	6.03				23.68	5.55
12/5/2004			24.16	18.08	6.08				23.66	5.58
3/5/2005			24.16	17.38	6.78				23.64	6.26
6/17/2005			24.16	17.20	6.96				23.62	6.42
9/17/2005			24.16	17.54	6.62				23.60	6.06
12/24/2005			24.16	17.78	6.38				23.58	5.80
3/11/2006		24.16	17.11	7.05				23.56	6.45	
6/11/2006		24.16	16.77	7.39				23.54	6.77	
9/24/2006		24.16	17.39	6.77				23.52	6.13	
12/16/2006		24.16	17.46	6.70				23.50	6.04	
3/17/2007		24.16	17.40	6.76				23.48	6.08	
6/16/2007		24.16	17.61	6.55				23.46	5.85	
8/26/2007		24.16	17.70	6.46				23.45	5.75	
12/2/2007		24.16	18.04	6.12				23.44	5.40	
3/9/2008		24.16	17.44	6.72				23.42	5.98	

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						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-10a (cont.)	6/24/2008		24.16	18.14	6.02				23.40	5.26
	9/30/2008		24.16	17.69	6.47				23.39	5.70
	12/9/2008		24.16	17.90	6.26				23.38	5.48
	3/12/2009		24.16	17.44	6.72				23.36	5.92
	6/24/2009		24.16	17.58	6.58				23.35	5.77
	9/9/2009		24.16	16.56	7.60				23.33	6.77
	12/29/2009		24.16	16.76	7.40				23.32	6.56
	3/9/2010		24.16	17.23	6.93				23.31	6.08
	6/28/2010		24.16	16.93	7.23				23.29	6.36
	9/24/2010		24.16	17.33	6.83				23.28	5.95
	12/27/2010		24.16	17.28	6.88				23.26	5.98
	3/28/2011		24.16	16.93	7.23				23.25	6.32
	5/6/2011		24.16	16.69	7.47				23.24	6.55
	9/30/2011		24.16	17.13	7.03				23.22	6.09
	11/10/2011		24.16	17.21	6.95				23.21	6.00
	3/3/2012		24.16	17.48	6.68				23.19	5.71
	5/18/2012		24.16	17.38	6.78				23.18	5.80
	12/20/2012		24.16	17.30	6.86				23.15	5.85
	3/8/2013		24.16	17.24	6.92				23.14	5.90
	6/26/2013		24.16	17.47	6.69				23.12	5.65
	9/12/2013		24.16	17.54	6.62				23.12	5.58
	12/30/2013		24.16	17.81	6.35				23.12	5.31
	3/26/2014		24.16	17.62	6.54				23.12	5.50
	6/19/2014		24.16	17.46	6.70				23.12	5.66
	9/29/2014		24.16	17.51	6.65				23.12	5.61
	12/9/2014		24.16	17.51	6.65				23.12	5.61
3/17/2015		24.16	16.95	7.21				23.12	6.17	
6/22/2015		24.16	17.32	6.84				23.12	5.80	
GW-11a	8/19/1999	waste/ reworked clayey silt	8.51	3.67	4.84	8.28	8.12	7.92	8.51	4.84
	12/7/1999		8.51	3.58	4.93				8.49	4.91
	2/7/2000		8.51	3.35	5.16				8.48	5.13
	7/18/2000		8.51	3.20	5.31				8.45	5.25
	9/18/2000		8.51	2.37	6.14				8.44	6.07
	10/27/2000		8.51	3.32	5.19				8.43	5.11
	11/28/2000		8.51	3.21	5.30				8.43	5.22
	12/27/2000		8.51	3.45	5.06				8.42	4.97
	1/30/2001		8.51	3.53	4.98				8.42	4.89
	2/28/2001		8.51	3.87	4.64				8.41	4.54
	3/28/2001		8.51	3.00	5.51				8.41	5.41
	5/4/2001		8.51	3.15	5.36				8.40	5.25
	5/31/2001		8.51	2.97	5.54				8.40	5.43
	6/11/2001		8.51	3.17	5.34				8.39	5.22
	7/31/2001		8.51	3.16	5.35				8.38	5.22
	8/30/2001		8.51	3.58	4.93				8.38	4.80
	9/24/2001		8.51	3.31	5.20				8.37	5.06
	10/30/2001		8.51	3.56	4.95				8.37	4.81
	11/28/2001		8.51	3.19	5.32				8.36	5.17
	12/26/2001		8.51	3.16	5.35				8.36	5.20
	1/7/2002		8.51	2.97	5.54				8.36	5.39
	2/15/2002		8.51	2.87	5.64				8.35	5.48
	3/18/2002		8.51	3.05	5.46				8.34	5.29
	4/30/2002		8.51	2.95	5.56				8.34	5.39
	5/30/2002		8.51	2.89	5.62				8.33	5.44
	6/19/2002		8.51	2.91	5.60				8.33	5.42
	7/14/2002		8.51	11.60	-3.09				8.32	-3.28
	8/10/2002		8.51	3.07	5.44				8.32	5.25
	9/21/2002		8.51	3.21	5.30				8.31	5.10
	10/26/2002		8.51	3.15	5.36				8.30	5.15
	11/16/2002		8.51	2.10	6.41				8.30	6.20
	12/13/2002		8.51	3.12	5.39				8.30	5.18
	1/11/2003		8.51	2.73	5.78				8.29	5.56
2/8/2003		8.51	2.87	5.64				8.29	5.42	
3/13/2003		8.51	2.82	5.69				8.28	5.46	
4/19/2003		8.51	2.90	5.61				8.27	5.37	
5/23/2003		8.51	2.78	5.73				8.27	5.49	

Notes:  
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**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	TOC						Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
			Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation on 2/21/2003 (ft. MLLW)	TOC Elevation on 7/3/2007 (ft. MLLW)	TOC Elevation on 6/12/2013 (ft. MLLW)		
GW-11a (cont.)	6/24/2003		8.51	2.89	5.62				8.27	5.38
	7/18/2003		8.51	3.01	5.50				8.26	5.25
	8/2/2003		8.51	2.97	5.54				8.26	5.29
	9/22/2003		8.51	2.99	5.52				8.26	5.27
	10/11/2003		8.51	3.13	5.38				8.26	5.13
	11/22/2003		8.51	3.12	5.39				8.25	5.13
	12/7/2003		8.51	2.96	5.55				8.25	5.29
	1/11/2004		8.51	2.58	5.93				8.25	5.67
	2/8/2004		8.51	2.90	5.61				8.24	5.34
	3/6/2004		8.51	2.86	5.65				8.24	5.38
	4/10/2004		8.51	2.69	5.82				8.24	5.55
	5/1/2004		8.51	2.95	5.56				8.23	5.28
	6/6/2004		8.51	2.77	5.74				8.23	5.46
	7/10/2004		8.51	2.95	5.56				8.23	5.28
	8/1/2004		8.51	2.90	5.61				8.23	5.33
	12/5/2004		8.51	2.83	5.68				8.21	5.38
	3/5/2005		8.51	2.25	6.26				8.20	5.95
	6/17/2005		8.51	2.39	6.12				8.19	5.80
	9/17/2005		8.51	2.68	5.83				8.18	5.50
	12/24/2005		8.51	2.61	5.90				8.17	5.56
	3/11/2006		8.51	1.94	6.57				8.17	6.23
	6/11/2006		8.51	1.92	6.59				8.16	6.24
	9/24/2006		8.51	2.56	5.95				8.15	5.59
	12/16/2006		8.51	2.25	6.26				8.14	5.89
	3/17/2007		8.51	2.55	5.96				8.13	5.58
	6/16/2007		8.51	2.75	5.76				8.12	5.37
	8/26/2007		8.51	2.77	5.74				8.12	5.35
	12/2/2007		8.51	3.15	5.36				8.11	4.96
	3/9/2008		8.51	2.57	5.94				8.10	5.53
	6/24/2008		8.51	2.81	5.70				8.09	5.28
	9/30/2008		8.51	2.78	5.73				8.08	5.30
	12/9/2008		8.51	2.99	5.52				8.07	5.08
	3/12/2009		8.51	2.58	5.93				8.06	5.48
	6/24/2009		8.51	2.62	5.89				8.05	5.43
	9/9/2009		8.51	2.50	6.01				8.05	5.55
	12/29/2009		8.51	2.72	5.79				8.04	5.32
	3/9/2010		8.51	2.35	6.16				8.03	5.68
	6/28/2010		8.51	2.25	6.26				8.02	5.77
9/24/2010		8.51	2.66	5.85				8.01	5.35	
12/27/2010		8.51	2.33	6.18				8.00	5.67	
3/28/2011		8.51	2.05	6.46				7.99	5.94	
5/6/2011		8.51	2.04	6.47				7.99	5.95	
9/30/2011		8.51	2.18	6.33				7.98	5.80	
11/10/2011		8.51	2.43	6.08				7.97	5.54	
3/3/2012		8.51	2.45	6.06				7.96	5.51	
5/18/2012		8.51	2.53	5.98				7.96	5.43	
12/20/2012		8.51	2.39	6.12				7.94	5.55	
3/8/2013		8.51	2.43	6.08				7.93	5.50	
6/26/2013		8.51	2.39	6.12				7.92	5.53	
9/12/2013		8.51	2.67	5.84				7.92	5.25	
12/30/2013		8.51	2.98	5.53				7.92	4.94	
3/26/2014		8.51	2.56	5.95				7.92	5.36	
6/19/2014		8.51	2.68	5.83				7.92	5.24	
9/29/2014		8.51	2.60	5.91				7.92	5.32	
12/9/2014		8.51	2.38	6.13				7.92	5.54	
3/17/2015		8.51	2.31	6.20				7.92	5.61	
6/22/2015		8.51	2.56	5.95				7.92	5.36	
GW-12a	2/7/2000	waste	28.96	23.70	5.26	28.96	28.84	28.75	29.04	5.34
	7/18/2000		28.96	22.98	5.98				29.03	6.05
	9/18/2000		28.96	23.08	5.88				29.02	5.94
	10/27/2000		28.96	23.12	5.84				29.02	5.90
	11/28/2000		28.96	23.02	5.94				29.02	6.00
	12/27/2000		28.96	23.30	5.66				29.02	5.72
	1/30/2001		28.96	23.31	5.65				29.01	5.70
	2/28/2001		28.96	22.93	6.03				29.01	6.08

Notes:  
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**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
					Original GW Elevation (ft. MLLW)	on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)		
GW-12a	3/28/2001		28.96	22.54	6.42			29.01	6.47
(cont.)	5/4/2001		28.96	22.94	6.02			29.01	6.07
	5/31/2001		28.96	22.75	6.21			29.00	6.25
	6/11/2001		28.96	22.84	6.12			29.00	6.16
	7/31/2001		28.96	23.04	5.92			29.00	5.96
	8/30/2001		28.96	23.13	5.83			29.00	5.87
	9/24/2001		28.96	23.08	5.88			29.00	5.92
	10/30/2001		28.96	23.21	5.75			28.99	5.78
	11/28/2001		28.96	23.05	5.91			28.99	5.94
	12/26/2001		28.96	23.04	5.92			28.99	5.95
	1/7/2002		28.96	22.63	6.33			28.99	6.36
	2/15/2002		28.96	22.39	6.57			28.98	6.59
	3/18/2002		28.96	22.55	6.41			28.98	6.43
	4/30/2002		28.96	22.54	6.42			28.98	6.44
	5/30/2002		28.96	22.64	6.32			28.98	6.34
	6/19/2002		28.96	22.82	6.14			28.97	6.15
	7/14/2002		28.96	22.88	6.08			28.97	6.09
	8/10/2002		28.96	22.94	6.02			28.97	6.03
	9/21/2002		28.96	23.19	5.77			28.97	5.78
	10/26/2002		28.96	23.22	5.74			28.97	5.75
	11/16/2002		28.96	23.33	5.63			28.96	5.63
	12/13/2002		28.96	23.39	5.57			28.96	5.57
	1/11/2003		28.96	22.73	6.23			28.96	6.23
	2/8/2003		28.96	22.60	6.36			28.96	6.36
	3/13/2003		28.96	22.70	6.26			28.96	6.26
	4/19/2003		28.96	22.63	6.33			28.95	6.32
	5/23/2003		28.96	22.59	6.37			28.95	6.36
	6/24/2003		28.96	22.79	6.17			28.95	6.16
	7/18/2003		28.96	22.84	6.12			28.95	6.11
	8/2/2003		28.96	22.87	6.09			28.95	6.08
	9/22/2003		28.96	22.95	6.01			28.94	5.99
	10/11/2003		28.96	23.05	5.91			28.94	5.89
	11/22/2003		28.96	23.12	5.84			28.94	5.82
	12/7/2003		28.96	23.13	5.83			28.94	5.81
	1/11/2004		28.96	22.68	6.28			28.93	6.25
	2/8/2004		28.96	22.59	6.37			28.93	6.34
	3/6/2004		28.96	22.37	6.59			28.93	6.56
	4/10/2004		28.96	22.29	6.67			28.93	6.64
	5/1/2004		28.96	22.47	6.49			28.92	6.45
	6/6/2004		28.96	22.53	6.43			28.92	6.39
	7/10/2004		28.96	22.77	6.19			28.92	6.15
	8/1/2004		28.96	22.89	6.07			28.92	6.03
	12/5/2004		28.96	23.04	5.92			28.91	5.87
	3/5/2005		28.96	21.97	6.99			28.90	6.93
	6/17/2005		28.96	21.95	7.01			28.89	6.94
	9/17/2005		28.96	22.38	6.58			28.89	6.51
	12/24/2005		28.96	22.46	6.50			28.88	6.42
	3/11/2006		28.96	21.70	7.26			28.87	7.17
	6/11/2006		28.96	21.48	7.48			28.87	7.39
	9/24/2006		28.96	22.24	6.72			28.86	6.62
	12/16/2006		28.96	22.12	6.84			28.85	6.73
	3/17/2007		28.96	22.00	6.96			28.85	6.85
	6/16/2007		28.96	22.34	6.62			28.84	6.50
	8/26/2007		28.96	22.53	6.43			28.84	6.31
	12/2/2007		28.96	22.88	6.08			28.83	5.95
	3/9/2008		28.96	22.07	6.89			28.83	6.76
	6/24/2008		28.96	23.01	5.95			28.82	5.81
	9/30/2008		28.96	22.69	6.27			28.82	6.13
	12/9/2008		28.96	24.85	4.11			28.82	3.97
	3/12/2009		28.96	22.28	6.68			28.81	6.53
	6/24/2009		28.96	22.55	6.41			28.81	6.26
	9/9/2009		28.96	22.47	6.49			28.81	6.34
	12/29/2009		28.96	22.82	6.14			28.80	5.98
	3/9/2010		28.96	22.19	6.77			28.80	6.61
	6/28/2010		28.96	21.93	7.03			28.79	6.86
	9/24/2010		28.96	22.40	6.56			28.79	6.39

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**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-12a (cont.)	12/27/2010		28.96	22.25	6.71				28.79	6.54
	3/28/2011		28.96	21.79	7.17				28.78	6.99
	5/6/2011		28.96	21.57	7.39				28.78	7.21
	9/30/2011		28.96	COVERED					28.77	
	11/10/2011		28.96	22.20	6.76				28.77	6.57
	3/3/2012		28.96	COVERED					28.77	
	5/18/2012		28.96	COVERED					28.76	
	12/20/2012		28.96	22.08	6.88				28.76	6.68
	3/8/2013		28.96	COVERED					28.75	
	6/26/2013		28.96	22.54	6.42				28.75	6.21
	9/12/2013		28.96	COVERED					28.75	
	12/30/2013		28.96	22.83	6.13				28.75	5.92
	3/26/2014		28.96	22.88	6.08				28.75	5.87
	6/19/2014		28.96	COVERED					28.75	
	9/29/2014		28.96	22.77	6.19				28.75	5.98
	12/9/2014		28.96	22.75	6.21				28.75	6.00
	3/17/2015		28.96	22.04	6.92				28.75	6.71
6/23/2015		28.96	22.38	6.58				28.75	6.37	
GW-13a	2/7/2000	waste	16.80	3.98	12.82	16.77	16.63	16.49	16.80	12.82
	7/18/2000		16.80	4.66	12.14				16.80	12.14
	9/18/2000		16.80	12.17	4.63				16.79	4.62
	10/27/2000		16.80	12.10	4.70				16.79	4.69
	11/28/2000		16.80	11.99	4.81				16.79	4.80
	12/27/2000		16.80	11.95	4.85				16.79	4.84
	1/30/2001		16.80	12.27	4.53				16.79	4.52
	2/28/2001		16.80	11.81	4.99				16.79	4.98
	3/28/2001		16.80	11.77	5.03				16.79	5.02
	5/4/2001		16.80	11.88	4.92				16.79	4.91
	5/31/2001		16.80	11.95	4.85				16.79	4.84
	6/11/2001		16.80	12.02	4.78				16.79	4.77
	7/31/2001		16.80	12.10	4.70				16.79	4.69
	8/30/2001		16.80	12.12	4.68				16.79	4.67
	9/24/2001		16.80	12.12	4.68				16.79	4.67
	10/30/2001		16.80	12.06	4.74				16.78	4.72
	11/28/2001		16.80	12.01	4.79				16.78	4.77
	12/26/2001		16.80	11.71	5.09				16.78	5.07
	1/7/2002		16.80	11.33	5.47				16.78	5.45
	2/15/2002		16.80	11.73	5.07				16.78	5.05
	3/18/2002		16.80	11.91	4.89				16.78	4.87
	4/30/2002		16.80	11.83	4.97				16.78	4.95
	5/30/2002		16.80	11.81	4.99				16.78	4.97
	6/19/2002		16.80	12.02	4.78				16.78	4.76
	7/14/2002		16.80	12.08	4.72				16.78	4.70
	8/10/2002		16.80	12.10	4.70				16.78	4.68
	9/21/2002		16.80	12.27	4.53				16.78	4.51
	10/26/2002		16.80	12.29	4.51				16.78	4.49
	11/16/2002		16.80	12.21	4.59				16.77	4.56
	12/13/2002		16.80	12.32	4.48				16.77	4.45
	1/11/2003		16.80	11.83	4.97				16.77	4.94
	2/8/2003		16.80	11.87	4.93				16.77	4.90
	3/13/2003		16.80	11.66	5.14				16.77	5.11
4/19/2003		16.80	11.88	4.92				16.77	4.89	
5/23/2003		16.80	11.83	4.97				16.77	4.94	
6/24/2003		16.80	12.13	4.67				16.76	4.63	
7/18/2003		16.80	12.01	4.79				16.76	4.75	
8/2/2003		16.80	12.02	4.78				16.76	4.74	
9/22/2003		16.80	12.01	4.79				16.76	4.75	
10/11/2003		16.80	12.11	4.69				16.75	4.64	
11/22/2003		16.80	12.22	4.58				16.75	4.53	
12/7/2003		16.80	12.13	4.67				16.75	4.62	
1/11/2004		16.80	11.46	5.34				16.75	5.29	
2/8/2004		16.80	11.47	5.33				16.74	5.27	
3/6/2004		16.80	11.55	5.25				16.74	5.19	
4/10/2004		16.80	11.60	5.20				16.74	5.14	
5/1/2004		16.80	11.97	4.83				16.74	4.77	

Notes:  
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Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-13a (cont.)	6/6/2004		16.80	11.89	4.91				16.73	4.84
	7/10/2004		16.80	12.19	4.61				16.73	4.54
	8/1/2004		16.80	12.36	4.44				16.73	4.37
	12/5/2004		16.80	11.42	5.38				16.72	5.30
	3/5/2005		16.80	10.86	5.94				16.71	5.85
	6/17/2005		16.80	11.13	5.67				16.70	5.57
	9/17/2005		16.80	11.55	5.25				16.69	5.14
	12/24/2005		16.80	11.49	5.31				16.68	5.19
	3/11/2006		16.80	10.76	6.04				16.67	5.91
	6/11/2006		16.80	10.76	6.04				16.66	5.90
	9/24/2006		16.80	11.54	5.26				16.65	5.11
	12/16/2006		16.80	11.15	5.65				16.65	5.50
	3/17/2007		16.80	11.24	5.56				16.64	5.40
	6/16/2007		16.80	11.62	5.18				16.63	5.01
	8/26/2007		16.80	11.70	5.10				16.63	4.93
	12/2/2007		16.80	11.98	4.82				16.62	4.64
	3/9/2008		16.80	11.02	5.78				16.61	5.59
	6/24/2008		16.80	8.50	8.30				16.61	8.11
	9/30/2008		16.80	11.74	5.06				16.60	4.86
	12/9/2008		16.80	11.82	4.98				16.60	4.78
	3/12/2009		16.80	11.48	5.32				16.59	5.11
	6/24/2009		16.80	11.64	5.16				16.58	4.94
	9/9/2009		16.80	11.59	5.21				16.58	4.99
	12/29/2009		16.80	11.66	5.14				16.57	4.91
	3/9/2010		16.80	10.65	6.15				16.57	5.92
	6/28/2010		16.80	10.95	5.85				16.56	5.61
	9/24/2010		16.80	11.42	5.38				16.55	5.13
	12/27/2010		16.80	10.85	5.95				16.55	5.70
	3/28/2011		16.80	10.52	6.28				16.54	6.02
	5/6/2011		16.80	10.49	6.31				16.54	6.05
	9/30/2011		16.80	11.20	5.60				16.53	5.33
	11/10/2011		16.80	11.20	5.60				16.53	5.33
	3/3/2012		16.80	11.43	5.37				16.52	5.09
	5/18/2012		16.80	11.35	5.45				16.52	5.17
	12/20/2012		16.80	10.41	6.39				16.50	6.09
	3/8/2013		16.80	11.18	5.62				16.50	5.32
	6/26/2013		16.80	11.53	5.27				16.49	4.96
	9/12/2013		16.80	11.57	5.23				16.49	4.92
	12/30/2013		16.80	11.75	5.05				16.49	4.74
	3/26/2014		16.80	11.48	5.32				16.49	5.01
	6/19/2014		16.80	11.41	5.39				16.49	5.08
	9/29/2014		16.80	11.63	5.17				16.49	4.86
	12/9/2014		16.80	11.10	5.70				16.49	5.39
	3/17/2015		16.80	10.96	5.84				16.49	5.53
	6/22/2015		16.80	11.52	5.28				16.49	4.97
GW-14a	2/7/2000	waste	8.87	12.53	-3.66	8.83	8.66	8.53	8.87	-3.66
	7/18/2000		8.87	4.14	4.73				8.86	4.72
	9/18/2000		8.87	4.26	4.61				8.86	4.60
	10/27/2000		8.87	3.73	5.14				8.86	5.13
	11/28/2000		8.87	3.08	5.79				8.86	5.78
	12/27/2000		8.87	4.19	4.68				8.86	4.67
	1/30/2001		8.87	3.97	4.90				8.86	4.89
	2/28/2001		8.87	3.82	5.05				8.86	5.04
	3/28/2001		8.87	4.24	4.63				8.86	4.62
	5/4/2001		8.87	3.76	5.11				8.85	5.09
	5/31/2001		8.87	4.13	4.74				8.85	4.72
	6/11/2001		8.87	4.30	4.57				8.85	4.55
	7/31/2001		8.87	4.13	4.74				8.85	4.72
	8/30/2001		8.87	4.10	4.77				8.85	4.75
	9/24/2001		8.87	3.79	5.08				8.85	5.06
	10/30/2001		8.87	3.24	5.63				8.85	5.61
	11/28/2001		8.87	4.65	4.22				8.85	4.20
	12/26/2001		8.87	3.02	5.85				8.85	5.83
1/7/2002		8.87	3.61	5.26				8.85	5.24	
2/15/2002		8.87	3.47	5.40				8.85	5.38	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975



**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	TOC					Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
			Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	Elevation on 2/21/2003 (ft. MLLW)	Elevation on 7/3/2007 (ft. MLLW)		
GW-14a	3/18/2002		8.87	4.30	4.57			8.84	4.54
(cont.)	4/30/2002		8.87	3.72	5.15			8.84	5.12
	5/30/2002		8.87	4.00	4.87			8.84	4.84
	6/19/2002		8.87	3.99	4.88			8.84	4.85
	7/14/2002		8.87	3.64	5.23			8.84	5.20
	8/10/2002		8.87	3.70	5.17			8.84	5.14
	9/21/2002		8.87	3.80	5.07			8.84	5.04
	10/26/2002		8.87	3.78	5.09			8.84	5.06
	11/16/2002		8.87	3.30	5.57			8.84	5.54
	12/13/2002		8.87	2.80	6.07			8.84	6.04
	1/11/2003		8.87	2.99	5.88			8.83	5.84
	2/8/2003		8.87	3.87	5.00			8.83	4.96
	3/13/2003		8.87	3.83	5.04			8.83	5.00
	4/19/2003		8.87	3.73	5.14			8.83	5.10
	5/23/2003		8.87	3.99	4.88			8.83	4.84
	6/24/2003		8.87	4.30	4.57			8.82	4.52
	7/18/2003		8.87	3.95	4.92			8.82	4.87
	8/2/2003		8.87	4.00	4.87			8.82	4.82
	9/22/2003		8.87	3.79	5.08			8.81	5.02
	10/11/2003		8.87	4.11	4.76			8.81	4.70
	11/22/2003		8.87	3.16	5.71			8.81	5.65
	12/7/2003		8.87	2.35	6.52			8.80	6.45
	1/11/2004		8.87	3.45	5.42			8.80	5.35
	2/8/2004		8.87	3.77	5.10			8.80	5.03
	3/6/2004		8.87	3.76	5.11			8.79	5.03
	4/10/2004		8.87	3.69	5.18			8.79	5.10
	5/1/2004		8.87	4.00	4.87			8.79	4.79
	6/6/2004		8.87	3.61	5.26			8.78	5.17
	7/10/2004		8.87	4.02	4.85			8.78	4.76
	8/1/2004		8.87	3.57	5.30			8.78	5.21
	12/5/2004		8.87	3.71	5.16			8.76	5.05
	3/5/2005		8.87	3.01	5.86			8.75	5.74
	6/17/2005		8.87	3.91	4.96			8.74	4.83
	9/17/2005		8.87	3.56	5.31			8.73	5.17
	12/24/2005		8.87	3.03	5.84			8.72	5.69
	3/11/2006		8.87	2.61	6.26			8.71	6.10
	6/11/2006		8.87	3.58	5.29			8.70	5.12
	9/24/2006		8.87	3.56	5.31			8.69	5.13
	12/16/2006		8.87	2.57	6.30			8.68	6.11
	3/17/2007		8.87	3.60	5.27			8.67	5.07
	6/16/2007		8.87	3.42	5.45			8.66	5.24
	8/26/2007		8.87	3.51	5.36			8.66	5.15
	12/2/2007		8.87	3.80	5.07			8.65	4.85
	3/9/2008		8.87	3.84	5.03			8.65	4.81
	6/24/2008		8.87	3.91	4.96			8.64	4.73
	9/30/2008		8.87	2.80	6.07			8.63	5.83
	12/9/2008		8.87	3.25	5.62			8.63	5.38
	3/12/2009		8.87	2.85	6.02			8.62	5.77
	6/24/2009		8.87	2.93	5.94			8.62	5.69
	9/9/2009		8.87	2.18	6.69			8.61	6.43
	12/29/2009		8.87	2.56	6.31			8.61	6.05
	3/9/2010		8.87	3.77	5.10			8.60	4.83
	6/28/2010		8.87	3.22	5.65			8.59	5.37
	9/24/2010		8.87	3.33	5.54			8.59	5.26
	12/27/2010		8.87	2.42	6.45			8.58	6.16
	3/28/2011		8.87	3.22	5.65			8.58	5.36
	5/6/2011		8.87	3.69	5.18			8.58	4.89
	9/30/2011		8.87	2.33	6.54			8.57	6.24
	11/10/2011		8.87	2.95	5.92			8.56	5.61
	3/3/2012		8.87	3.53	5.34			8.56	5.03
	5/18/2012		8.87	3.73	5.14			8.55	4.82
	12/20/2012		8.87	3.73	5.14			8.54	4.81
	3/8/2013		8.87	3.50	5.37			8.54	5.04
	6/26/2013		8.87	3.47	5.40			8.53	5.06
	9/12/2013		8.87	3.50	5.37			8.53	5.03
	12/30/2013		8.87	3.00	5.87			8.53	5.53

Notes:  
 TOC = top of casing  
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Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-14a (cont.)	3/26/2014		8.87	3.48	5.39				8.53	5.05
	6/19/2014		8.87	3.53	5.34				8.53	5.00
	9/29/2014		8.87	2.91	5.96				8.53	5.62
	12/9/2014		8.87	2.55	6.32				8.53	5.98
	3/17/2015		8.87	3.23	5.64				8.53	5.30
	6/22/2015		8.87	4.00	4.87				8.53	4.53
GW-15a	2/7/2000	waste	9.66	4.45	5.21	9.62	9.37	9.18	9.66	5.21
	7/18/2000		9.66	4.11	5.55				9.65	5.54
	9/18/2000		9.66	4.31	5.35				9.65	5.34
	10/27/2000		9.66	4.23	5.43				9.65	5.42
	11/28/2000		9.66	3.41	6.25				9.65	6.24
	12/27/2000		9.66	4.33	5.33				9.65	5.32
	1/30/2001		9.66	3.93	5.73				9.65	5.72
	2/28/2001		9.66	3.91	5.75				9.65	5.74
	3/28/2001		9.66	3.93	5.73				9.65	5.72
	5/4/2001		9.66	3.98	5.68				9.64	5.66
	5/31/2001		9.66	4.01	5.65				9.64	5.63
	6/11/2001		9.66	4.07	5.59				9.64	5.57
	7/31/2001		9.66	4.15	5.51				9.64	5.49
	8/30/2001		9.66	4.24	5.42				9.64	5.40
	9/24/2001		9.66	4.38	5.28				9.64	5.26
	10/30/2001		9.66	4.27	5.39				9.64	5.37
	11/28/2001		9.66	3.44	6.22				9.64	6.20
	12/26/2001		9.66	4.04	5.62				9.64	5.60
	1/7/2002		9.66	3.87	5.79				9.64	5.77
	2/15/2002		9.66	3.81	5.85				9.64	5.83
	3/18/2002		9.66	3.90	5.76				9.63	5.73
	4/30/2002		9.66	3.76	5.90				9.63	5.87
	5/30/2002		9.66	3.81	5.85				9.63	5.82
	6/19/2002		9.66	3.99	5.67				9.63	5.64
	7/14/2002		9.66	3.95	5.71				9.63	5.68
	8/10/2002		9.66	4.02	5.64				9.63	5.61
	9/21/2002		9.66	4.21	5.45				9.63	5.42
	10/26/2002		9.66	4.28	5.38				9.63	5.35
	11/16/2002		9.66	4.20	5.46				9.63	5.43
	12/13/2002		9.66	4.17	5.49				9.63	5.46
	1/11/2003		9.66	3.79	5.87				9.63	5.84
	2/8/2003		9.66	3.89	5.77				9.62	5.73
	3/13/2003		9.66	4.01	5.65				9.62	5.61
	4/19/2003		9.66	3.79	5.87				9.62	5.83
	5/23/2003		9.66	3.29	6.37				9.62	6.33
	6/24/2003		9.66	4.04	5.62				9.61	5.57
	7/18/2003		9.66	3.89	5.77				9.61	5.72
8/2/2003		9.66	3.99	5.67				9.61	5.62	
9/22/2003		9.66	3.96	5.70				9.60	5.64	
10/11/2003		9.66	4.16	5.50				9.59	5.43	
11/22/2003		9.66	4.20	5.46				9.59	5.39	
12/7/2003		9.66	4.11	5.55				9.58	5.47	
1/11/2004		9.66	3.76	5.90				9.58	5.82	
2/8/2004		9.66	3.77	5.89				9.58	5.81	
3/6/2004		9.66	3.68	5.98				9.57	5.89	
4/10/2004		9.66	3.62	6.04				9.57	5.95	
5/1/2004		9.66	3.71	5.95				9.56	5.85	
6/6/2004		9.66	3.77	5.89				9.56	5.79	
7/10/2004		9.66	3.90	5.76				9.55	5.65	
8/1/2004		9.66	4.01	5.65				9.54	5.53	
12/5/2004		9.66	4.05	5.61				9.52	5.47	
3/5/2005		9.66	3.23	6.43				9.51	6.28	
6/17/2005		9.66	3.23	6.43				9.49	6.26	
9/17/2005		9.66	3.46	6.20				9.47	6.01	
12/24/2005		9.66	3.48	6.18				9.46	5.98	
3/11/2006		9.66	3.01	6.65				9.45	6.44	
6/11/2006		9.66	2.78	6.88				9.43	6.65	
9/24/2006		9.66	3.43	6.23				9.41	5.98	
12/16/2006		9.66	3.31	6.35				9.40	6.09	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

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Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-15a (cont.)	3/17/2007		9.66	3.41	6.25				9.38	5.97
	6/16/2007		9.66	3.52	6.14				9.37	5.85
	8/26/2007		9.66	3.70	5.96				9.37	5.67
	12/2/2007		9.66	4.03	5.63				9.36	5.33
	3/9/2008		9.66	3.52	6.14				9.35	5.83
	6/24/2008		9.66	3.50	6.16				9.34	5.84
	9/30/2008		9.66	3.62	6.04				9.33	5.71
	12/9/2008		9.66	3.91	5.75				9.32	5.41
	3/12/2009		9.66	3.44	6.22				9.32	5.88
	6/24/2009		9.66	3.54	6.12				9.31	5.77
	9/9/2009		9.66	3.54	6.12				9.30	5.76
	12/29/2009		9.66	3.79	5.87				9.29	5.50
	3/9/2010		9.66	3.31	6.35				9.28	5.97
	6/28/2010		9.66	3.08	6.58				9.27	6.19
	9/24/2010		9.66	3.46	6.20				9.27	5.81
	12/27/2010		9.66	3.26	6.40				9.26	6.00
	3/28/2011		9.66	3.01	6.65				9.25	6.24
	5/6/2011		9.66	2.95	6.71				9.25	6.30
	9/30/2011		9.66	3.08	6.58				9.23	6.15
	11/10/2011		9.66	3.35	6.31				9.23	5.88
	3/3/2012		9.66	3.55	6.11				9.22	5.67
	5/18/2012		9.66	3.47	6.19				9.21	5.74
	12/20/2012		9.66	3.37	6.29				9.20	5.83
	3/8/2013		9.66	3.43	6.23				9.19	5.76
	6/26/2013		9.66	3.50	6.16				9.18	5.68
	9/12/2013		9.66	3.62	6.04				9.18	5.56
12/30/2013		9.66	3.96	5.70				9.18	5.22	
3/26/2014		9.66	3.74	5.92				9.18	5.44	
6/19/2014		9.66	3.60	6.06				9.18	5.58	
9/29/2014		9.66	3.66	6.00				9.18	5.52	
12/9/2014		9.66	3.60	6.06				9.18	5.58	
3/17/2015		9.66	3.24	6.42				9.18	5.94	
6/22/2015		9.66	3.58	6.08				9.18	5.60	
GW-16a	2/7/2000	reworked clayey silt	9.35	3.52	5.83	9.26	9.02	8.76	9.35	5.83
	7/18/2000		9.35	3.52	5.83				9.34	5.82
	9/18/2000		9.35	3.76	5.59				9.33	5.57
	10/27/2000		9.35	3.35	6.00				9.33	5.98
	11/28/2000		9.35	3.23	6.12				9.33	6.10
	12/27/2000		9.35	3.83	5.52				9.33	5.50
	1/30/2001		9.35	3.86	5.49				9.32	5.46
	2/28/2001		9.35	3.46	5.89				9.32	5.86
	3/28/2001		9.35	3.72	5.63				9.32	5.60
	5/4/2001		9.35	3.60	5.75				9.32	5.72
	5/31/2001		9.35	3.67	5.68				9.31	5.64
	6/11/2001		9.35	4.10	5.25				9.31	5.21
	7/31/2001		9.35	3.50	5.85				9.31	5.81
	8/30/2001		9.35	3.58	5.77				9.31	5.73
	9/24/2001		9.35	3.80	5.55				9.31	5.51
	10/30/2001		9.35	3.65	5.70				9.30	5.65
	11/28/2001		9.35	3.25	6.10				9.30	6.05
	12/26/2001		9.35	3.35	6.00				9.30	5.95
	1/7/2002		9.35	3.54	5.81				9.30	5.76
	2/15/2002		9.35	3.44	5.91				9.29	5.85
	3/18/2002		9.35	3.67	5.68				9.29	5.62
	4/30/2002		9.35	3.26	6.09				9.29	6.03
	5/30/2002		9.35	3.35	6.00				9.29	5.94
	6/19/2002		9.35	3.66	5.69				9.29	5.63
	7/14/2002		9.35	3.30	6.05				9.28	5.98
	8/10/2002		9.35	3.15	6.20				9.28	6.13
9/21/2002		9.35	3.43	5.92				9.28	5.85	
10/26/2002		9.35	3.61	5.74				9.28	5.67	
11/16/2002		9.35	3.44	5.91				9.27	5.83	
12/13/2002		9.35	3.53	5.82				9.27	5.74	
1/11/2003		9.35	3.23	6.12				9.27	6.04	
2/8/2003		9.35	3.65	5.70				9.27	5.62	

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	TOC					Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)	
			Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	Elevation on 2/21/2003 (ft. MLLW)	Elevation on 7/3/2007 (ft. MLLW)			Elevation on 6/12/2013 (ft. MLLW)
GW-16a (cont.)	3/13/2003		9.35	3.92	5.43			9.29	5.37	
	4/19/2003		9.35	3.22	6.13			9.26	6.04	
	5/23/2003		9.35	3.65	5.70			9.25	5.60	
	6/24/2003		9.35	3.95	5.40			9.25	5.30	
	7/18/2003		9.35	3.50	5.85			9.25	5.75	
	8/2/2003		9.35	3.53	5.82			9.24	5.71	
	9/22/2003		9.35	3.33	6.02			9.24	5.91	
	10/11/2003		9.35	3.59	5.76			9.23	5.64	
	11/22/2003		9.35	3.28	6.07			9.23	5.95	
	12/7/2003		9.35	2.84	6.51			9.22	6.38	
	1/11/2004		9.35	3.19	6.16			9.22	6.03	
	2/8/2004		9.35	3.50	5.85			9.21	5.71	
	3/6/2004		9.35	3.54	5.81			9.21	5.67	
	4/10/2004		9.35	3.25	6.10			9.20	5.95	
	5/1/2004		9.35	3.75	5.60			9.20	5.45	
	6/6/2004		9.35	3.18	6.17			9.19	6.01	
	7/10/2004		9.35	3.56	5.79			9.19	5.63	
	8/1/2004		9.35	3.06	6.29			9.19	6.13	
	12/5/2004		9.35	3.67	5.68			9.17	5.50	
	3/5/2005		9.35	3.07	6.28			9.15	6.08	
	6/17/2005		9.35	3.50	5.85			9.14	5.64	
	9/17/2005		9.35	3.20	6.15			9.12	5.92	
	12/24/2005		9.35	3.23	6.12			9.11	5.88	
	3/11/2006		9.35	3.06	6.29			9.09	6.03	
	6/11/2006		9.35	3.06	6.29			9.08	6.02	
	9/24/2006		9.35	3.29	6.06			9.06	5.77	
	12/16/2006		9.35	2.98	6.37			9.05	6.07	
	3/17/2007		9.35	3.42	5.93			9.03	5.61	
	6/16/2007		9.35	3.10	6.25			9.02	5.92	
	8/26/2007		9.35	3.29	6.06			9.01	5.72	
	12/2/2007		9.35	3.65	5.70			9.00	5.35	
	3/9/2008		9.35	3.36	5.99			8.99	5.63	
	6/24/2008		9.35	3.59	5.76			8.98	5.39	
	9/30/2008		9.35	2.95	6.40			8.97	6.02	
	12/9/2008		9.35	3.09	6.26			8.96	5.87	
	3/12/2009		9.35	2.90	6.45			8.95	6.05	
	6/24/2009		9.35	2.86	6.49			8.93	6.07	
	9/9/2009		9.35	2.71	6.64			8.92	6.21	
	12/29/2009		9.35	2.83	6.52			8.91	6.08	
	3/9/2010		9.35	3.60	5.75			8.90	5.30	
	6/28/2010		9.35	3.11	6.24			8.89	5.78	
9/24/2010		9.35	3.23	6.12			8.88	5.65		
12/27/2010		9.35	2.75	6.60			8.87	6.12		
3/28/2011		9.35	3.24	6.11			8.86	5.62		
5/6/2011		9.35	3.30	6.05			8.85	5.55		
9/30/2011		9.35	2.55	6.80			8.83	6.28		
11/10/2011		9.35	2.98	6.37			8.83	5.85		
3/3/2012		9.35	3.42	5.93			8.82	5.40		
5/18/2012		9.35	3.39	5.96			8.81	5.42		
12/20/2012		9.35	2.40	6.95			8.78	6.38		
3/8/2013		9.35	3.22	6.13			8.77	5.55		
6/26/2013		9.35	3.12	6.23			8.76	5.64		
9/12/2013		9.35	3.34	6.01			8.76	5.42		
12/30/2013		9.35	3.02	6.33			8.76	5.74		
3/26/2014		9.35	3.27	6.08			8.76	5.49		
6/19/2014		9.35	3.21	6.14			8.76	5.55		
9/29/2014		9.35	2.99	6.36			8.76	5.77		
12/9/2014		9.35	2.75	6.60			8.76	6.01		
3/17/2015		9.35	3.15	6.20			8.76	5.61		
6/22/2015		9.35	3.61	5.74			8.76	5.15		
GW-17a	2/7/2000	waste	10.22	6.13	4.09	10.08	9.75	9.42	10.22	4.09
	7/18/2000		10.22	6.48	3.74				10.20	3.72
	9/18/2000		10.22	4.77	5.45				10.19	5.42
	10/27/2000		10.22	4.84	5.38				10.19	5.35
	11/28/2000		10.22	4.67	5.55				10.19	5.52

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-17a	12/27/2000		10.22	4.91	5.31			10.18	5.27	
(cont.)	1/30/2001		10.22	4.91	5.31			10.18	5.27	
	2/28/2001		10.22	4.55	5.67			10.17	5.62	
	3/28/2001		10.22	4.30	5.92			10.17	5.87	
	5/4/2001		10.22	4.51	5.71			10.17	5.66	
	5/31/2001		10.22	4.56	5.66			10.16	5.60	
	6/11/2001		10.22	4.55	5.67			10.16	5.61	
	7/31/2001		10.22	4.66	5.56			10.16	5.50	
	8/30/2001		10.22	4.77	5.45			10.15	5.38	
	9/24/2001		10.22	4.80	5.42			10.15	5.35	
	10/30/2001		10.22	4.78	5.44			10.15	5.37	
	11/28/2001		10.22	4.62	5.60			10.14	5.52	
	12/26/2001		10.22	4.62	5.60			10.14	5.52	
	1/7/2002		10.22	4.27	5.95			10.14	5.87	
	2/15/2002		10.22	4.24	5.98			10.13	5.89	
	3/18/2002		10.22	4.34	5.88			10.13	5.79	
	4/30/2002		10.22	4.23	5.99			10.13	5.90	
	5/30/2002		10.22	4.29	5.93			10.12	5.83	
	6/19/2002		10.22	4.28	5.94			10.12	5.84	
	7/14/2002		10.22	4.49	5.73			10.12	5.63	
	8/10/2002		10.22	4.51	5.71			10.11	5.60	
	9/21/2002		10.22	4.70	5.52			10.11	5.41	
	10/26/2002		10.22	4.72	5.50			10.10	5.38	
	11/16/2002		10.22	4.77	5.45			10.10	5.33	
	12/13/2002		10.22	4.78	5.44			10.10	5.32	
	1/11/2003		10.22	4.57	5.65			10.10	5.53	
	2/9/2003		10.22	4.31	5.91			10.09	5.78	
	3/13/2003		10.22	4.17	6.05			10.08	5.91	
	4/19/2003		10.22	4.27	5.95			10.08	5.81	
	5/23/2003		10.22	4.14	6.08			10.07	5.93	
	6/24/2003		10.22	4.45	5.77			10.07	5.62	
	7/18/2003		10.22	4.37	5.85			10.06	5.69	
	8/2/2003		10.22	4.39	5.83			10.06	5.67	
	9/22/2003		10.22	4.44	5.78			10.05	5.61	
	10/11/2003		10.22	4.56	5.66			10.04	5.48	
	11/22/2003		10.22	4.63	5.59			10.03	5.40	
	12/7/2003		10.22	4.60	5.62			10.03	5.43	
	1/11/2004		10.22	4.19	6.03			10.02	5.83	
	2/8/2004		10.22	4.19	6.03			10.02	5.83	
	3/6/2004		10.22	4.17	6.05			10.01	5.84	
	4/10/2004		10.22	4.00	6.22			10.00	6.00	
	5/1/2004		10.22	4.15	6.07			10.00	5.85	
	6/6/2004		10.22	4.16	6.06			9.99	5.83	
	7/10/2004		10.22	4.36	5.86			9.98	5.62	
	8/1/2004		10.22	4.37	5.85			9.98	5.61	
	12/5/2004		10.22	4.45	5.77			9.95	5.50	
	3/5/2005		10.22	3.70	6.52			9.93	6.23	
	6/17/2005		10.22	3.50	6.72			9.91	6.41	
	9/17/2005		10.22	3.82	6.40			9.89	6.07	
	12/24/2005		10.22	3.97	6.25			9.87	5.90	
	3/11/2006		10.22	3.30	6.92			9.85	6.55	
	6/11/2006		10.22	2.97	7.25			9.83	6.86	
	9/24/2006		10.22	3.76	6.46			9.81	6.05	
	12/16/2006		10.22	3.64	6.58			9.79	6.15	
	3/17/2007		10.22	3.73	6.49			9.77	6.04	
	6/16/2007		10.22	3.95	6.27			9.75	5.80	
	8/26/2007		10.22	3.98	6.24			9.74	5.76	
	12/2/2007		10.22	4.40	5.82			9.73	5.33	
	3/9/2008		10.22	3.65	6.57			9.71	6.06	
	6/24/2008		10.22	3.98	6.24			9.70	5.72	
	9/30/2008		10.22	4.01	6.21			9.68	5.67	
	12/9/2008		10.22	4.23	5.99			9.67	5.44	
	3/12/2009		10.22	3.84	6.38			9.66	5.82	
	6/24/2009		10.22	3.92	6.30			9.64	5.72	
	9/9/2009		10.22	3.83	6.39			9.63	5.80	
	12/29/2009		10.22	4.03	6.19			9.61	5.58	

Notes:  
 TOC = top of casing  
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 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

**Table 3**  
**Groundwater and Leachate Elevation**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
GW-17a (cont.)	3/9/2010		10.22	3.59	6.63				9.60	6.01
	6/28/2010		10.22	3.25	6.97				9.58	6.33
	9/24/2010		10.22	3.70	6.52				9.57	5.87
	12/27/2010		10.22	3.57	6.65				9.56	5.99
	3/28/2011		10.22	UNDER WATER					9.54	
	5/6/2011		10.22	3.00	7.22				9.54	6.54
	9/30/2011		10.22	3.42	6.80				9.51	6.09
	11/10/2011		10.22	3.43	6.79				9.51	6.08
	3/3/2012		10.22	3.74	6.48				9.49	5.75
	5/18/2012		10.22	3.69	6.53				9.48	5.79
	12/20/2012		10.22	3.60	6.62				9.45	5.85
	3/8/2013		10.22	3.56	6.66				9.43	5.87
	6/26/2013		10.22	3.82	6.40				9.42	5.60
	9/12/2013		10.22	3.83	6.39				9.42	5.59
	12/30/2013		10.22	4.13	6.09				9.42	5.29
	3/26/2014		10.22	3.87	6.35				9.42	5.55
	6/19/2014		10.22	3.83	6.39				9.42	5.59
	9/29/2014		10.22	3.83	6.39				9.42	5.59
	12/9/2014		10.22	3.76	6.46				9.42	5.66
	3/17/2015		10.22	3.29	6.93				9.42	6.13
6/23/2015		10.22	3.57	6.65				9.42	5.85	
MW-5	2/7/2000	waste	22.45	16.90	5.55	22.44	22.29	22.24	22.55	5.65
	7/18/2000		22.45	17.15	5.30				22.53	5.38
	9/18/2000		22.45	17.27	5.18				22.52	5.25
	10/27/2000		22.45	17.36	5.09				22.52	5.16
	11/28/2000		22.45	17.25	5.20				22.52	5.27
	12/27/2000		22.45	16.77	5.68				22.51	5.74
	1/30/2001		22.45	17.14	5.31				22.51	5.37
	2/28/2001		22.45	16.18	6.27				22.51	6.33
	3/28/2001		22.45	16.35	6.10				22.51	6.16
	5/4/2001		22.45	16.83	5.62				22.50	5.67
	5/31/2001		22.45	17.08	5.37				22.50	5.42
	6/11/2001		22.45	17.08	5.37				22.50	5.42
	7/31/2001		22.45	17.31	5.14				22.49	5.18
	8/30/2001		22.45	17.29	5.16				22.49	5.20
	9/24/2001		22.45	17.34	5.11				22.49	5.15
	10/30/2001		22.45	17.33	5.12				22.49	5.16
	11/28/2001		22.45	17.27	5.18				22.48	5.21
	12/26/2001		22.45	16.42	6.03				22.48	6.06
	2/15/2002		22.45	16.46	5.99				22.48	6.02
	3/18/2002		22.45	16.64	5.81				22.47	5.83
	4/30/2002		22.45	16.81	5.64				22.47	5.66
	5/30/2002		22.45	16.89	5.56				22.47	5.58
	6/19/2002		22.45	17.06	5.39				22.46	5.40
	7/14/2002		22.45	17.20	5.25				22.46	5.26
	8/10/2002		22.45	17.30	5.15				22.46	5.16
	9/21/2002		22.45	17.42	5.03				22.45	5.03
	10/26/2002		22.45	17.47	4.98				22.45	4.98
	11/16/2002		22.45	17.40	5.05				22.45	5.05
	12/13/2002		22.45	17.54	4.91				22.45	4.91
	1/11/2003		22.45	16.17	6.28				22.44	6.27
	2/8/2003		22.45	16.46	5.99				22.44	5.98
	3/13/2003		22.45	16.68	5.77				22.44	5.76
	4/19/2003		22.45	16.85	5.60				22.44	5.59
	5/23/2003		22.45	16.86	5.59				22.43	5.57
	6/24/2003		22.45	17.01	5.44				22.43	5.42
	7/18/2003		22.45	17.08	5.37				22.43	5.35
	8/2/2003		22.45	17.05	5.40				22.43	5.38
9/22/2003		22.45	17.05	5.40				22.42	5.37	
10/11/2003		22.45	17.22	5.23				22.42	5.20	
11/22/2003		22.45	17.34	5.11				22.42	5.08	
12/7/2003		22.45	17.35	5.10				22.41	5.06	
1/11/2004		22.45	16.06	6.39				22.41	6.35	
2/8/2004		22.45	16.34	6.11				22.41	6.07	
3/6/2004		22.45	15.89	6.56				22.41	6.52	

Notes:  
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**Table 3  
Groundwater and Leachate Elevation  
Former Oyster Point Landfill  
South San Francisco, California**

Well Design	Date Measured	Screened Lithology	Original TOC Elevation (ft. MLLW)	Depth to Groundwater (feet)	Original GW Elevation (ft. MLLW)	TOC Elevation			Adjusted TOC Elevations (ft. MLLW)	New GW Elevations (ft. MLLW)
						on 2/21/2003 (ft. MLLW)	on 7/3/2007 (ft. MLLW)	on 6/12/2013 (ft. MLLW)		
MW-5	4/10/2004		22.45	16.47	5.98				22.40	5.93
(cont.)	5/1/2004		22.45	16.73	5.72				22.40	5.67
	6/6/2004		22.45	16.93	5.52				22.40	5.47
	7/10/2004		22.45	17.07	5.38				22.39	5.32
	8/1/2004		22.45	17.21	5.24				22.39	5.18
	12/5/2004		22.45	17.12	5.33				22.38	5.26
	3/5/2005		22.45	15.41	7.04				22.37	6.96
	6/17/2005		22.45	16.20	6.25				22.36	6.16
	9/17/2005		22.45	16.69	5.76				22.35	5.66
	12/24/2005		22.45	16.70	5.75				22.34	5.64
	3/11/2006		22.45	15.46	6.99				22.34	6.88
	6/11/2006		22.45	15.80	6.65				22.33	6.53
	9/24/2006		22.45	16.58	5.87				22.32	5.74
	12/16/2006		22.45	16.49	5.96				22.31	5.82
	3/17/2007		22.45	DRY					22.30	
	6/16/2007		22.45	16.62	5.83				22.29	5.67
	8/26/2007		22.45	16.83	5.62				22.29	5.46
	12/2/2007		22.45	17.04	5.41				22.29	5.25
	3/9/2008		22.45	15.68	6.77				22.29	6.61
	6/24/2008		22.45	16.61	5.84				22.29	5.68
	9/30/2008		22.45	16.99	5.46				22.28	5.29
	12/9/2008		22.45	17.10	5.35				22.28	5.18
	3/12/2009		22.45	16.66	5.79				22.28	5.62
	6/24/2009		22.45	16.73	5.72				22.28	5.55
	9/9/2009		22.45	16.72	5.73				22.27	5.55
	12/29/2009		22.45	16.85	5.60				22.27	5.42
	3/9/2010		22.45	15.01	7.44				22.27	7.26
	6/28/2010		22.45	16.10	6.35				22.27	6.17
	9/24/2010		22.45	16.55	5.90				22.27	5.72
	12/27/2010		22.45	15.43	7.02				22.26	6.83
	3/28/2011		22.45	14.73	7.72				22.26	7.53
	5/6/2011		22.45	15.38	7.07				22.26	6.88
	9/30/2011		22.45	16.39	6.06				22.26	5.87
	11/10/2011		22.45	16.53	5.92				22.26	5.73
	3/3/2012		22.45	16.65	5.80				22.25	5.60
	5/18/2012		22.45	16.31	6.14				22.25	5.94
	12/20/2012		22.45	15.22	7.23				22.25	7.03
	3/8/2013		22.45	16.13	6.32				22.25	6.12
	6/26/2013		22.45	16.58	5.87				22.24	5.66
	9/12/2013		22.45	16.74	5.71				22.24	5.50
	12/30/2013		22.45	DRY					22.24	
	3/26/2014		22.45	16.62	5.83				22.24	5.62
	6/19/2014		22.45	16.32	6.13				22.24	5.92
	9/29/2014		22.45	16.75	5.70				22.24	5.49
	12/9/2014		22.45	16.52	5.93				22.24	5.72
	3/17/2015		22.45	15.89	6.56				22.24	6.35
	6/22/2015		22.45	16.53	5.92				22.24	5.71

Notes:  
 TOC = top of casing  
 GW = groundwater  
 Wells surveyed to Mean Low Low Water (MLLW) as established by NOS Tidal Benchmark Disc 12-1975

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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-1a	7/21/1999	20.6	313	573.8	138	77
	12/27/2000	52.1	<10.0	<10.0	<10.0	62.5
	3/29/2001	56.9	108	424.9	87.1	66.4
	6/11/2001	39.7	124	405.5	90.2	50.0
	9/24/2001	50.7	133	537	115	66.0
	12/26/2001	48	79	330	87	68
	6/19/2002	49	46	356	90	73
	12/13/2002	54	41	291	86	84
	6/24/2003	44	37	331	95	93
	12/18/2003	51	38	281	90	80
	6/21/2004	47	25	244	78	90
	12/16/2004	48	23	76	70	75
	12/28/2005	44	21	234	77	96
	12/1/2006	52	18	248	83	96
	12/5/2007	55	6.1	153	67	79
	12/11/2008	54	<20	120	63	92
	12/30/2009	55	3.3	91	60	98
	1/7/2011	90	2.8	95	61	130
	11/14/2011	80	3.2	71	64	96
	1/8/2013	89	<5.0	33	58	94
1/7/2014	90	1.9	34	64	93	
12/9/2014	72	1.8	26	62	57	
GW-2b (Point of Compliance)	7/27/1999	<0.5	<0.5	<0.5	<0.5	<1.0
	12/27/2000	0.820	<0.5	0.590	<0.5	<1.0
	3/28/2001	<0.5	<0.5	0.520	<0.5	<1.0
	6/11/2001	0.58	<0.5	<0.5	<0.5	<1.0
	9/24/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	26	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	<0.5	<0.5	<0.5	<0.5	<2.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	0.7	<0.5	<2.0
	3/23/2004	<0.5	<0.5	0.8	<0.5	<2.0
	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0
	9/23/04***	<0.5	<0.5	<0.5	<0.5	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<0.5	<5.0
	6/23/2005	<0.5	<0.5	<0.5	<0.5	<2.0
	12/28/2005	<0.5	<0.5	<0.5	<0.5	<5.0
	6/28/2006	<0.5	<0.5	<0.5	<0.5	<5.0
	12/1/2006	<0.5	<0.5	0.7	<0.5	<5.0
	6/18/2007	<0.5	<0.5	<0.5	<0.5	<5.0
	12/5/2007	<0.5	0.8	3.2	<0.5	<2.0
	6/24/2008	<0.5	<0.5	<0.5	<1.0	<2.0
	12/11/2008	<0.5	<0.5	<1.0	<0.5	<1.0
	12/30/2009	<0.5	<0.5	<1.0	<0.5	<1.0
6/29/2010	<0.5	<0.5	<1.0	<0.5	<1.0	
1/7/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
5/10/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
11/14/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
5/22/2012	<0.5	<0.5	<1.0	<0.5	<1.0	
1/11/2013	<0.5	<0.5	<1.0	<0.5	<1.0	
6/27/2013	<0.5	<0.5	<1.0	<0.5	<1.0	
1/6/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
6/26/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
12/9/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
6/22/2015	<0.5	<0.5	<1.1	<0.6	<1.1	
GW-3a	7/21/1999	48	566	2,770	207	423
	12/27/2000	64.0	580	3,018	211	130
	3/29/2001	<50.0	517	2,224	88.7	<100
	6/11/2001	63.5	600	2,883	209	134
	9/24/2001	56	624	3,045	202	133
	12/26/2001	45	410	2,160	170	100
	6/19/2002	39	570	3,800	150	80
	12/13/2002	41	420	2,780	150	99



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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-3a (cont.)	6/24/2003	42	580	2,580	160	140
	12/18/2003	53	350	2,540	190	130
	6/21/2004	55	360	2,610	190	140
	12/16/2004	<71	130	2,140	190	140
	12/28/2005	50	440	2,000	210	140
	12/1/2006	70	510	2,350	240	140
	12/5/2007	58	400	1,900	200	98
	12/10/2008	50	380	1,500	200	110
	1/4/2010	46	420	1,600	180	110
	1/7/2011	48	380	1,400	190	120
	11/14/2011	45	390	1,500	210	95
	1/4/2013	41	380	1,200	170	100
	1/3/2014	50	360	1,100	220	120
	12/10/2014	49	410	1,400	200	100
	GW-4a (Point of Compliance)	7/21/1999	<0.5	<0.5	<0.5	<0.5
12/27/2000		<0.5	<0.5	<0.5	<0.5	<1.0
3/29/2001		<0.5	<0.5	<0.5	<0.5	<1.0
6/11/2001		<0.5	<0.5	<0.5	<0.5	<1.0
9/24/2001		<0.5	<0.5	<0.5	<0.5	<1.0
12/26/2001		<5.0	<5.0	<5.0	<5.0	<5.0
3/18/2002		<5.0	<5.0	<5.0	<5.0	<5.0
6/19/2002		<5.0	<5.0	<5.0	<5.0	<5.0
9/25/2002		<0.5	<0.5	<0.5	<0.5	<2.0
12/13/2003		<5.0	<5.0	<5.0	<5.0	<5.0
3/13/2003		<5.0	<5.0	<5.0	<5.0	<5.0
6/24/2003		<5.0	<5.0	<5.0	<5.0	<5.0
9/22/2003		<5.0	<5.0	<5.0	<5.0	<5.0
12/18/2003		<0.5	<0.5	<0.5	<0.5	<2.0
3/23/2004		<0.5	<0.5	<0.5	<0.5	<2.0
6/21/2004		<0.5	<0.5	<0.5	<0.5	<2.0
9/23/2004		<0.5	<0.5	<0.5	<0.5	<2.0
12/16/2004		<5.0	<5.0	<5.0	<5.0	<5.0
6/23/2005		<0.5	<0.5	<0.5	<0.5	<2.0
12/28/2005		<0.5	<0.5	<0.5	<0.5	<5.0
6/28/2006		<0.5	<0.5	<0.5	<0.5	<5.0
12/1/2006		<0.5	<0.5	<0.5	<0.5	<5.0
6/18/2007		<0.5	<0.5	<0.5	<0.5	<5.0
12/5/2007		<0.5	<0.5	<1.0	<0.5	<2.0
6/24/2008		<0.5	<0.5	<1.0	<0.5	<2.0
12/10/2008		<0.5	<0.5	<1.0	<0.5	<1.0
1/4/2010		<0.5	<0.5	<1.0	<0.5	<1.0
7/1/2010		<0.5	<0.5	<1.0	<0.5	<1.0
1/6/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
5/9/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
11/14/2011	<0.5	<0.5	<1.0	<0.5	<1.0	
5/22/2012	<0.5	<0.5	<1.0	<0.5	<1.0	
1/4/2013	<0.5	<0.5	<1.0	<0.5	<1.0	
6/27/2013	<0.5	<0.5	<1.0	<0.5	<1.0	
1/3/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
6/24/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
12/10/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
6/23/2015	<0.5	<0.5	<1.0	<0.5	<1.0	
GW-5a (Point of Compliance)	7/21/1999	<0.5	<0.5	<0.5	<0.5	<1.0
	12/27/2000	<0.5	<0.5	<0.5	<0.5	<1.0
	3/29/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	6/11/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	9/24/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	<0.5	<0.5	<0.5	<0.5	<2.0
	12/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	9/22/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	<0.5	<0.5	<2.0
	3/23/2004	<0.5	<0.5	<0.5	<0.5	<2.0

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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-5a (cont.)	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0
	9/23/2004	<0.5	<0.5	<0.5	<0.5	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/2005	<0.5	<0.5	<0.5	<0.5	<2.0
	12/28/2005	<0.5	<0.5	<0.5	<0.5	<5.0
	6/28/2006	<0.5	<0.5	<0.5	<0.5	<5.0
	12/1/2006	<0.5	<0.5	<0.5	<0.5	<5.0
	6/18/2007	<0.5	<0.5	<0.5	<0.5	<5.0
	12/5/2007	<0.5	<0.5	<1.0	<0.5	<2.0
	6/24/2008	<0.5	<0.5	<1.0	<0.5	<2.0
	12/11/2008	<0.5	<0.5	<1.0	<0.5	<1.0
	1/5/2010	<0.5	<0.5	<1.0	<0.5	<1.0
	7/1/2010	<0.5	<0.5	<1.0	<0.5	<1.0
	1/6/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	5/9/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	11/15/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	5/22/2012	<0.5	<0.5	<1.0	<0.5	<1.0
	1/4/2013	<0.5	<0.5	<1.0	<0.5	<1.0
	6/27/2013	<0.5	<0.5	<1.0	<0.5	<1.0
	1/3/2014	<0.5	<0.5	<1.0	<0.5	<1.0
6/24/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
12/10/2014	<0.5	<0.5	<1.0	<0.5	<1.0	
6/23/2015	<0.5	<0.5	<1.0	<0.5	<1.0	
GW-6a (Point of Compliance)	6/18/2007	<b>12.3</b>	<b>33.5</b>	<b>5.32</b>	<b>27.7</b>	<b>79.4</b>
	12/5/2007	<b>35.9</b>	<b>32.2</b>	<b>8.49</b>	<b>28.7</b>	<b>48.2</b>
	3/29/2001	<b>52.6</b>	<b>24.3</b>	<5.0	<b>19.3</b>	<b>42.8</b>
	6/11/2001	<b>52.5</b>	<b>19.8</b>	<b>2.47</b>	<b>15.0</b>	<b>45.7</b>
	9/24/2001	<b>44.4</b>	<b>62.4</b>	<5.0	<b>43.1</b>	<b>32</b>
	12/26/2001	<b>31</b>	<b>29</b>	<5.0	<b>23</b>	<b>29</b>
	3/18/2002	<b>50</b>	<b>35</b>	<5.0	<b>26</b>	<b>32</b>
	6/19/2002	<b>39</b>	<b>47</b>	<5.0	<b>34</b>	<b>18</b>
	12/13/2002	<b>35</b>	<b>37</b>	<5.0	<b>23</b>	<b>17</b>
	6/24/2003	<b>40</b>	<b>45</b>	<5.0	<b>34</b>	<b>25</b>
	12/18/2003	<b>32</b>	<b>39</b>	<b>3.0</b>	<b>29</b>	<b>14</b>
	6/21/2004	<b>39</b>	<b>47</b>	<b>4.5</b>	<b>36</b>	<b>9.2</b>
	12/16/2004	<b>28</b>	<b>51</b>	<5.0	<b>40</b>	<b>6.6</b>
	6/23/2005	<b>54</b>	<b>26</b>	<b>4.4</b>	<b>22</b>	<b>18</b>
	12/28/2005	<b>39</b>	<b>30</b>	<b>6.5</b>	<b>26</b>	<b>5.3</b>
	6/28/2006	<b>60</b>	<b>37</b>	<b>8.5</b>	<b>34</b>	<b>14</b>
	12/1/2006	<b>40</b>	<b>41</b>	<b>10.5</b>	<b>36</b>	<b>5.4</b>
	6/18/2007	<b>51</b>	<b>45</b>	<b>18.2</b>	<b>34</b>	<b>7.2</b>
	12/5/2007	<b>27</b>	<b>46</b>	<b>14</b>	<b>34</b>	<b>7.2</b>
	6/24/2008	<b>32</b>	<b>43</b>	<b>14</b>	<b>36</b>	<20
	12/11/2008	<b>30</b>	<b>23</b>	<10	<b>17</b>	<10
	1/4/2010	<b>27</b>	<b>25</b>	<b>5.7</b>	<b>16</b>	<b>2.4</b>
	7/1/2010	<b>32</b>	<b>44</b>	<b>13</b>	<b>38</b>	<b>10</b>
	1/6/2011	<b>37</b>	<b>14</b>	<b>2.7</b>	<b>12</b>	<b>8.6</b>
5/10/2011	<b>43</b>	<b>19</b>	<b>7.2</b>	<b>19</b>	<b>11</b>	
11/15/2011	<b>32</b>	<b>34</b>	<b>13</b>	<b>33</b>	<b>5.3</b>	
5/24/2012	<b>25</b>	<b>55</b>	<b>24</b>	<b>42</b>	<b>5.8</b>	
1/4/2013	<b>23</b>	<b>65</b>	<b>24</b>	<b>50</b>	<10	
6/27/2013	<b>22</b>	<b>70</b>	<b>32</b>	<b>58</b>	<10	
1/6/2014	<b>24</b>	<b>57</b>	<b>23</b>	<b>42</b>	<b>4.4</b>	
6/26/2014	<b>37</b>	<b>33</b>	<b>10</b>	<b>26</b>	<b>2.7</b>	
12/9/2014	<b>19</b>	<b>75</b>	<b>17</b>	<b>63</b>	<b>5.4</b>	
6/22/2015	<b>30</b>	<b>78</b>	<b>29</b>	<b>62</b>	<b>4.7</b>	
GW-7a (Point of Compliance)	7/21/1999	<0.5	<0.5	<0.5	<0.5	<1.0
	12/27/2000	<0.5	<0.5	<0.5	<0.5	<1.0
	3/28/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	6/11/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	9/24/2001	<0.5	<0.5	<0.5	<0.5	<1.0
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	<0.5	<0.5	<2.0
	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/2005	<0.5	<0.5	<0.5	<0.5	<2.0
	12/28/2005	<0.5	<0.5	<0.5	<0.5	<5.0
6/28/2006	<0.5	<0.5	<0.5	<0.5	<5.0	

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GW-7a (cont.)	12/1/2006	<0.5	<0.5	<0.5	<0.5	<5.0
	6/18/2007	<0.5	<0.5	<0.5	<0.5	<5.0
	12/5/2007	<0.5	<0.5	<1.0	<0.5	<2.0
	6/24/2008	<0.5	<0.5	<1.0	<0.5	<2.0
	12/10/2008	<0.5	<0.5	<1.0	<0.5	<1.0
	12/30/2009	<0.5	<0.5	<1.0	<0.5	<1.0
	6/29/2010	<0.5	<0.5	<1.0	<0.5	<1.0
	1/6/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	5/9/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	11/10/2011	<0.5	<0.5	<1.0	<0.5	<1.0
	5/22/2012	<0.5	<0.5	<1.0	<0.5	<1.0
	1/4/2013	<0.5	<0.5	<1.0	<0.5	<1.0
	6/28/2013	<0.5	<0.5	<1.0	<0.5	<1.0
	1/3/2014	<0.5	<0.5	<1.0	<0.5	<1.0
	6/24/2014	<0.5	<0.5	<1.0	<0.5	<1.0
	12/9/2014	<0.5	<0.5	<1.0	<0.5	<1.0
	6/22/2015	<0.5	<0.5	<1.0	<0.5	<1.0
GW-10a	7/27/1999	<b>46.3</b>	<b>33.3</b>	<b>56.8</b>	<b>126</b>	<2.0
	12/27/2000	<b>33.6</b>	<b>23</b>	<b>28.3</b>	<b>89.1</b>	<b>2,790</b>
	3/29/2001	<50.00	<50.0	<50.0	<b>83.9</b>	<b>2,000</b>
	6/11/2001	<50.00	<50.0	<50.0	<10.0	<b>3,370</b>
	9/24/2001	<b>47.8</b>	<b>60.6</b>	<40.0	<b>123</b>	<b>4,690</b>
	12/26/2001	<b>31</b>	<b>19</b>	<b>26.7</b>	<b>95</b>	<b>1,400</b>
	6/19/2002	<50	<50	<50	<b>94</b>	<b>1,200</b>
	12/13/2002	<50	<50	<50	<b>93</b>	<b>1,300</b>
	6/24/2003	<36	<36	<36	<b>94</b>	<b>480</b>
	12/18/2003	<b>36</b>	<b>7.1</b>	<b>11.2</b>	<b>110</b>	<b>680</b>
	6/21/2004	<b>29</b>	<b>5.6</b>	<b>8.9</b>	<b>94</b>	<b>470</b>
	12/16/2004	<b>27</b>	<b>9.7</b>	<b>7.4</b>	<b>83</b>	<b>780 (1)</b>
	12/28/2005	<b>28</b>	<b>12</b>	<b>11.3</b>	<b>80</b>	<b>1,100</b>
	12/1/2006	<b>20</b>	<4.2	<4.2	<b>63</b>	<b>520</b>
	12/5/2007	<b>44</b>	<b>54</b>	<50	<b>120</b>	<b>4,000</b>
	12/10/2008	<50	<b>53</b>	<100	<b>140</b>	<b>3,600</b>
	12/30/2009	<50	<50	<100	<b>110</b>	<b>3,300</b>
	1/10/2011	<b>26</b>	<b>1.6</b>	<b>2.7</b>	<b>70</b>	<b>91</b>
	11/10/2011	<b>32</b>	<b>45</b>	<b>31</b>	<b>85</b>	<b>3,400</b>
1/8/2013	<b>37</b>	<b>40</b>	<50	<b>100</b>	<b>3,000</b>	
1/3/2014	<b>38</b>	<b>38</b>	<50	<b>110</b>	<b>2,400</b>	
12/10/2014	<b>42</b>	<b>45</b>	<50	<b>120</b>	<b>3,500</b>	
GW-11a (Point of Compliance)	7/21/1999	<b>6.24</b>	<b>0.66</b>	<b>1.44</b>	<b>28.6</b>	<b>143</b>
	12/27/2000	<b>2.04</b>	<0.5	<b>1.45</b>	<b>30.4</b>	<b>8.39</b>
	3/29/2001	<b>2.89</b>	<0.5	<b>0.830</b>	<b>29.0</b>	<b>4.53</b>
	6/11/2001	<b>2.83</b>	<0.5	<b>1.36</b>	<b>30.3</b>	<b>5.96</b>
	9/24/2001	<b>2.35</b>	<0.5	<b>0.95</b>	<b>34.7</b>	<b>4.63</b>
	12/26/2001	<5.0	<5.0	<5.0	<b>31</b>	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<b>33</b>	<5.0
	12/13/2002	<5.0	<5.0	<5.0	<b>33</b>	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<b>40</b>	<5.0
	12/18/2003	<b>1.3</b>	<0.5	<b>0.8</b>	<b>32</b>	<2.0
	6/21/2004	<b>1.4</b>	<0.5	<b>0.9</b>	<b>35</b>	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<b>34</b>	<5.0
	6/23/2005	<b>1.7</b>	<0.5	<b>0.8</b>	<b>40</b>	<2.0
	12/28/2005	<b>0.7</b>	<0.5	<b>0.9</b>	<b>37</b>	<5.0
	6/28/2006	<b>1.2</b>	<0.5	<b>0.8</b>	<b>42</b>	<b>7.2</b>
	12/1/2006	<b>1.1</b>	<0.5	<b>1.0</b>	<b>39</b>	<5.0
	6/18/2007	<b>1.1</b>	<0.5	<b>0.9</b>	<b>37</b>	<5.0
	12/5/2007	<2.5	<2.5	<5.0	<b>28</b>	<1.0
	6/24/2008	<1.0	<1.0	<1.0	<b>32</b>	<4.0
	12/11/2008	<5.0	<5.0	<1.0	<b>26</b>	<1.0
12/29/2009	<b>0.86</b>	<0.5	<1.0	<b>30</b>	<b>2.0</b>	
6/29/2010	<b>0.98</b>	<0.5	<b>1.0</b>	<b>35</b>	<b>3.3</b>	
1/6/2011	<b>1.1</b>	<0.5	<b>1.0</b>	<b>36</b>	<b>1.5</b>	
5/9/2011	<b>1.2</b>	<0.5	<1.0	<b>37</b>	<b>3.5</b>	
11/14/2011	<b>1.1</b>	<0.5	<b>1.3</b>	<b>38</b>	<b>1.4</b>	
5/24/2012	<b>1.1</b>	<0.5	<1.0	<b>36</b>	<b>8.6</b>	
1/8/2013	<b>0.96</b>	<0.5	<1.0	<b>34</b>	<b>3.0</b>	
6/28/2013	<b>1.0</b>	<0.5	<1.0	<b>35</b>	<b>4.2</b>	
1/3/2014	<b>0.91</b>	<0.5	<1.0	<b>32</b>	<1.0	
6/24/2014	<b>0.93</b>	<0.5	<1.0	<b>34</b>	<b>1.5</b>	
12/10/2014	<b>1.0</b>	<0.5	<1.0	<b>35</b>	<1.0	
6/22/2015	<b>1.4</b>	<0.5	<b>1.0</b>	<b>40</b>	<b>2.6</b>	

Table 4  
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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-12a	2/7/2000	239	41.2	<20.0	765	174
	12/27/2000	62.6	<5.0	<5.0	84.7	24.1
	3/29/2001	84.6	<5.0	<5.0	146	23.5
	6/11/2001	67.7	<2.5	<2.5	106	20.7
	9/24/2001	166	<20.0	<20.0	223	106
	12/26/2001	71	<5.0	<5.0	130	18
	6/19/2002	86	<5.0	<5.0	150	23
	12/13/2002	110	<5.0	<5.0	140	22
	6/24/2003	81	<5.0	<5.0	96	26
	12/18/2003	84	0.7	2.2	90	12
	6/21/2004	87	0.8	0.8	98	11
	12/16/2004	70	<7.1	<7.1	100	12
	12/28/2005	62	0.5	0.5	59	5.4
	12/1/2006	77	0.6	1.6	100	7.9
	12/5/2007	65	<1.0	<2.0	86	6.0
	12/10/2008	39	<1.0	<2.0	61	4.2
	12/30/2009	53	<0.5	<1.0	81	9.3
	1/10/2011	83	<1.0	<2.0	140	9.6
	11/12/2011	73	0.67	1.3	110	5.1
1/4/2013	58	<0.5	<1.0	110	4.2	
1/3/2014	33	<1.0	<2.0	71	<2.0	
12/10/2014	57	<1.0	<2.0	130	2.5	
GW-13a	2/7/2000	22.4	0.740	2.77	97.9	7.74
	12/27/2000	29.8	<5.0	<5.0	113	<10.0
	3/28/2001	21.6	<5.0	<5.0	110	<10.0
	6/11/2001	25.9	<2.5	<2.5	104	<5.0
	9/24/2001	29.8	<10.0	<10.0	112	26.8
	12/26/2001	22	<5.0	<5.0	110	<5.0
	6/19/2002	29	<5.0	<5.0	120	<5.0
	12/13/2002	34	<5.0	<5.0	120	<5.0
	6/24/2003	30	<5.0	<5.0	120	<5.0
	12/18/2003	37	<0.5	0.5	130	<2.0
	6/21/2004	38	<0.7	<0.7	110	<2.9
	12/16/2004	31	<7.1	<7.1	110	<7.1
	12/28/2005	25	<0.7	<0.7	100	<7.1
	12/1/2006	32	<0.7	<0.7	120	<7.1
	12/5/2007	33	<1.0	<2.0	110	<4.0
	12/11/2008	20	<2.0	<4.0	100	<4.0
	1/4/2010	15	<2.5	<5.0	110	<5.0
	1/7/2011	21	<2.5	<5.0	120	<5.0
	11/15/2011	10	<2.5	<5.0	120	<5.0
1/8/2013	14	<0.5	<1.0	250	<1.0	
1/6/2014	6.1	<1.0	<2.0	110	<2.0	
12/10/2014	9.0	<1.0	<2.0	140	<2.0	
GW-14a (Point of Compliance)	2/7/2000	0.640	<0.5	<0.5	15.5	<1.0
	12/27/2000	0.630	<0.5	<0.5	21.7	<1.0
	3/28/2001	0.500	<0.5	<0.5	11.7	<1.0
	6/11/2001	0.56	<0.5	<0.5	14.4	<1.0
	9/24/2001	0.54	<0.5	<0.5	17	<1.0
	12/26/2001	<5.0	<5.0	<5.0	12	<5.0
	6/19/2002	<5.0	<5.0	<5.0	12	<5.0
	12/13/2002	<5.0	<5.0	<5.0	9.4	<5.0
	6/24/03*	<5.0	<5.0	<5.0	13	<5.0
	12/18/2003	<0.5	<0.5	<0.5	7.0	<2.0
	6/21/2004**	<0.5	<0.5	<0.5	15	<2.0
	12/16/2004	<5.0	<5.0	<5.0	11	<5.0
	6/23/2005	<0.5	<0.5	<0.5	12	<2.0
	12/28/2005	<0.5	<0.5	<0.5	11	<5.0
	6/28/2006	0.5	<0.5	<0.5	8.0	<5.0
	12/1/2006	0.5	<0.5	<0.5	8.8	<5.0
	6/18/2007	0.5	<0.5	<0.5	5.7	<5.0
	12/5/2007	<0.5	<0.5	<1.0	8.2	<2.0
	6/24/2008	<1.0	<1.0	<1.0	7.6	<4.0
	12/11/2008	<1.0	<1.0	<2.0	8.5	<2.0
1/4/2010	<0.5	<0.5	<1.0	3.4	<1.0	
6/29/2010	<0.5	<0.5	<1.0	9.6	<1.0	
1/6/2011	<0.5	<0.5	<1.0	5.2	<1.0	
5/9/2011	<0.5	<0.5	<1.0	8.9	<1.0	
11/15/2011	<0.5	<0.5	<1.0	6.3	<1.0	
5/24/2012	<0.5	<0.5	<1.0	5.4	<1.0	

Table 4  
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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-14a (cont.)	1/8/2013	<0.5	<0.5	<1.0	5.2	<1.0
	6/28/2013	<0.5	<0.5	<1.0	6.7	<1.0
	1/6/2014	<0.5	<0.5	<1.0	5.7	<1.0
	6/24/2014	<0.5	<0.5	<1.0	4.3	<1.0
	12/10/2014	<0.5	<0.5	<1.0	5.8	<1.0
	6/23/2015	<0.5	<0.5	<1.0	14	<1.0
GW-15a (Point of Compliance)	2/7/2000	6.32	<0.5	1.78	16.9	64.3
	12/27/2000	1.91	2.29	11.94	11.3	13.5
	3/29/2001	3.49	<0.5	<0.5	11.4	19.6
	6/11/2001	7.19	<1.0	<1.0	17.6	80.0
	9/24/2001	3.93	<0.5	<0.5	19.1	11.9
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	7.7	<5.0	<5.0	23	59
	12/13/2002	<5.0	<5.0	<5.0	22	<5.0
	6/24/2003	5.7	<5.0	<5.0	22	34
	12/18/2003	0.5	<0.5	<0.5	7.7	<2.0
	6/21/2004	5.9	<0.5	0.6	31	11
	12/16/2004	<5.0	<5.0	<5.0	13	<5.0
	6/23/2005	3.5	<0.5	<0.5	16	12
	12/28/2005	1.4	<0.5	<0.5	15	<5.0
	6/28/2006	6.8	<0.5	1.1	27	23
	12/1/2006	3.7	<0.5	<0.5	20	<5.0
	6/18/2007	4.2	<0.5	0.7	26	5.1
	12/5/2007	3.7	<2.5	<5.0	28	<1.0
	6/24/2008	4.8	<2.5	<5.0	28	<1.0
	12/10/2008	1.5	<1.0	<2.0	37	<2.0
	1/4/2010	0.67	<0.5	<1.0	29	<1.0
	7/1/2010	4.9	<0.5	1.2	25	11
	1/7/2011	1.2	<0.5	<1.0	17	1.4
	5/10/2011	4.4	<0.5	<1.0	21	5.3
	11/15/2011	5.0	<0.5	<1.0	28	3.2
	5/24/2012	2.5	<0.5	<1.0	24	1.7
	1/4/2013	0.66	<0.5	<1.0	22	<1.0
6/27/2013	2.6	<0.5	<1.0	28	<1.0	
1/6/2014	1.3	<0.5	<1.0	34	<1.0	
6/24/2014	0.81	<0.5	<1.0	27	<1.0	
12/9/2014	1.3	<0.5	<1.0	27	<1.0	
6/22/2015	1.8	<0.5	<1.0	26	<1.0	
GW-16a (Point of Compliance)	2/7/2000	2.14	6.41	9.00	4.52	8.11
	12/27/2000	2.41	2.25	2.21	4.24	2.12
	3/29/2001	1.73	2.11	2.40	3.74	1.51
	6/11/2001	1.88	1.94	1.99	3.63	<1.0
	9/24/2001	2.75	2.64	2.97	4.45	1.33
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	2.24	1.76	2.54	3.73	<2.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	9/29/2003	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	2.7	2.5	3.5	6.3	<2.0
	3/23/2004	1.9	2.0	2.4	4.7	<2.0
	6/21/2004	2.1	1.7	2.5	4.7	<2.0
	9/23/2004	2.5	2.0	2.5	4.7	<2.0
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/2005	2.0	2.4	2.7	5.1	<2.0
	12/28/2005	1.2	1.4	2.3	5.8	<5.0
	6/28/2006	1.9	1.7	2.5	4.8	<5.0
	12/1/2006	1.9	1.5	2.9	4.4	<5.0
	6/18/2007	1.9	2.4	2.8	5.1	<5.0
	12/5/2007	1.2	<1.0	<2.0	3.4	<4.0
	6/24/2008	1.7	1.6	1.8	3.8	<2.0
	12/11/2008	1.4	1.1	1.3	4.9	<1.0
	1/4/2010	1.2	0.91	1.2	4.6	<1.0
6/29/2010	1.2	0.78	1.2	3.7	<1.0	
1/6/2011	1.3	1.2	1.4	3.8	<1.0	
5/10/2011	1.2	0.74	1.0	3.8	<1.0	
11/15/2011	1.2	0.72	1.1	4.4	<1.0	
5/24/2012	1.0	0.55	<1.0	3.7	<1.0	
1/8/2013	<0.5	<0.5	<1.0	4.9	<1.0	

Table 4  
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Well Designation	Date Collected	Benzene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	Chorobenzene (ug/L)	Naphthalene (ug/L)
GW-16a	6/28/2013	<b>1.0</b>	<b>0.7</b>	<b>1.2</b>	<b>3.9</b>	<1.0
(cont.)	1/6/2014	<b>0.97</b>	<b>0.54</b>	<1.0	<b>3.9</b>	<1.0
	6/24/2014	<b>0.88</b>	<0.5	<1.0	<b>3.8</b>	<1.0
	12/10/2014	<b>1.0</b>	<0.5	<1.0	<b>4.2</b>	<1.0
	6/23/2015	<b>1.1</b>	<0.5	<1.0	<b>6.4</b>	<1.0
<b>July 2004 MACL's</b>		<b>71</b>	<b>86</b>	<b>2,200</b>	<b>129</b>	<b>470</b>

**Notes:**

ug/L = Micrograms per liter

< = Compound not detected at or above the stated laboratory reporting limit

Samples analyzed by EPA Test Method 8260

MACL's - Maximum Allowable Concentrations Limits

\* = Carbon disulfide was detected at a concentration of 14 micrograms per liter.

\*\* = Carbon disulfide was detected at a concentration of 2.1 micrograms per liter.

\*\*\* = Acetone was detected at a concentration of 54 micrograms per liter.

(1) = Naphthalene was reported four days past the seven day hold time for unpreserved VOAs due to a naphthalene concentration in excess of the instrument's calibration range, which required a dilution

Table 5  
 Landfill Gas Perimeter Monitoring Results  
 Oyster Point Landfill  
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-1	4/22/2003	0	0.0	0.5	0.9	7.0	91.6	10	2.4	1.0	---
		258	4.3	0.4	1.1	7.0	91.5	8	nm	nm	---
		516	8.6	0.3	1.4	4.0	94.3	6	nm	nm	---
		774	12.9	0.3	1.6	2.8	95.3	6	-81.3	1.0	---
	11/14/2003	0	0.0	0.0	0.9	18.5	80.3	0	-1.0	0.5	17.01
		312	2.6	0.0	2.8	17.1	80.0	0	nm	0.5	---
		624	5.2	0.0	2.0	18.2	79.8	0	nm	0.5	---
		936	7.8	0.0	1.8	18.5	79.9	0	nm	0.5	---
	2/11/2004	0	0.0	0.0	1.4	4.0	94.6	0	1.6	0.5	17.58
		324	2.7	0.0	2.3	14.9	82.9	0	nm	0.5	---
		648	5.4	0.0	2.1	13.8	82.5	0	nm	0.5	---
		972	8.1	0.0	2.4	14.1	82.8	0	-49.5	0.5	---
	5/12/2004	0	0.0	0.0	0.0	19.3	81.4	0	2.7	0.5	12.91
		240	2.0	0.0	0.7	15.0	84.3	0	nm	0.5	---
		480	4.0	0.0	0.7	14.7	84.8	0	nm	0.5	---
		720	6.0	0.0	0.8	14.7	84.9	0	-20.2	0.5	---
	7/22/2004	0	0.0	0.0	2.4	16.8	80.8	0	0.0	0.5	15.40
		900	7.5	0.0	2.7	17.2	80.1	0	-2.8	0.5	---
	8/31/2004	0	0.0	0.0	3.4	17.4	79.2	0	0.0	0.5	16.35
		900	7.5	0.0	2.0	18.7	79.3	0	-1.8	0.5	---
	11/17/2004	0	0.0	0.0	3.1	18.5	87.4	0	0.0	0.5	17.87
		900	7.5	0.0	3.0	13.1	83.9	0	-0.5	0.5	---
	2/2/2005	0	0.0	0.0	2.5	9.3	88.2	0	5.5	0.5	18.02
		900	7.5	0.0	2.5	9.7	87.8	0	-70.6	0.5	---
	5/18/2005	0	0.0	0.0	0.0	18.9	81.1	0	-0.1	0.5	14.03
		900	7.5	0.0	0.6	19.1	80.3	0	-10.1	0.5	---
	8/10/2005	0	0.0	0.1	1.3	17.7	80.9	2	-1.8	0.5	14.28
		900	7.5	0.1	2.3	17.6	80.0	2	-1.9	0.5	---
	11/30/2005	0	0.0	0.0	0.1	21.5	87.4	0	-1.6	0.5	17.00
		900	7.5	0.0	2.1	20.6	77.3	0	-1.6	0.5	---
	2/17/2006	0	0.0	0.0	2.3	16.9	80.8	0	-1.3	0.5	14.06
		900	7.5	0.0	1.0	19.1	79.9	0	-1.3	0.5	---
	5/26/2006	0	0.0	0.3	1.8	12.5	85.4	5	-1.1	0.5	9.80
		900	7.5	0.1	2.3	4.4	93.2	1	-20.7	0.5	---
	8/25/2006	0	0.0	0.0	2.9	17.8	79.3	0	nm <sup>(2)</sup>	0.5	14.13
		900	7.5	0.1	3.1	18.6	78.2	1	nm <sup>(2)</sup>	0.5	---
	11/22/2006	0	0.0	0.0	2.0	17.8	80.2	0	-0.04	0.5	16.33
		900	7.5	0.0	2.8	18.4	78.8	0	-0.04	0.5	---
	2/17/2007	0	0.0	0.0	2.3	11.7	86.0	0	0.31	0.5	17.73
		900	7.5	0.0	2.6	8.4	89.0	0	0.31	0.5	---
	5/31/2007	0	0.0	0.0	0.1	20.2	79.7	0	nm	0.5	15.30
		900	7.5	0.0	3.2	13.9	82.9	0	nm	0.5	---
	8/31/2007	0	0.0	0.0	3.0	17.7	79.3	0	nm	0.5	16.87
		900	7.5	0.0	3.7	17.1	79.2	0	-13.3	0.5	---
	11/30/2007	0	0.0	0.0	0.7	19.7	79.6	0	nm	0.5	18.33
		900	7.5	0.0	3.3	18.2	78.5	0	-13.4	0.5	---
	2/14/2008	0	0.0	0.0	2.0	18.4	79.6	0	nm	0.5	19.14
		900	7.5	0.0	3.2	17.0	79.8	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	1.0	18.6	80.4	0	nm	0.5	15.30
		900	7.5	0.0	1.8	16.4	81.8	0	-12.9	0.5	---
	7/15/2008	0	0.0	0.0	0.8	20.7	78.5	0	-0.4	0.5	16.35
		600	5.0	0.0	3.9	17.7	78.4	0	-0.4	0.5	---

Table 5  
 Landfill Gas Perimeter Monitoring Results  
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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)	
LFG-1 (Cont.)	10/29/2008	0	0.0	0.0	0.6	20.1	79.3	0	-0.2	0.5	18.43	
		600	5.0	0.0	4.0	17.7	78.3	0	-0.2	0.5	---	
	1/30/2009	0	0.0	0.0	0.5	21.1	78.4	0	-0.24	0.5	19.85	
		600	5.0	0.0	2.8	17.6	79.6	0	-0.24	0.5	---	
	4/21/2009	0	0.0	0.0	0.0	16.3	83.7	0	-0.60	0.5	19.98	
		600	5.0	0.0	2.6	8.3	89.1	0	-1.45	0.5	---	
	7/23/2009	0	0.0	0.0	0.1	21.6	78.3	0	-0.3	0.5	19.93	
		600	5.0	0.0	3.9	18.2	77.9	0	-0.3	0.5	---	
	10/22/2009	0	0.0	0.0	0.1	19.9	80.0	0	0.0	0.5	20.29	
		600	5.0	0.0	3.1	16.0	80.9	0	-0.14	0.5	---	
	2/3/2010	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	21.18	
		600	5.0	0.0	3.4	12.7	83.9	0	-0.63	0.5	---	
	5/21/2010	0	0.0	0.0	0.2	0.0	19.8	80.0	4	0.0	0.5	19.45
		600	5.0	0.2	3.2	9.6	87.0	4	-20.0	0.5	---	
	7/21/2010	0	0.0	0.0	0.0	19.4	80.6	0	0.0	0.5	17.80	
		600	5.0	0.0	4.3	11.8	83.9	0	-2.5	0.5	---	
	10/1/2010	0	0.0	0.0	0.0	20.1	79.9	0	0.0	0.5	17.12	
		600	5.0	0.0	4.4	17.0	78.6	0	0.0	0.5	---	
	1/21/2011	0	0.0	0.0	0.1	21.6	78.3	0	0.0	0.5	18.15	
		600	5.0	0.0	3.4	12.5	84.1	0	-8.5	0.5	---	
	4/21/2011	0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	7.95	
		600	5.0	0.0	1.5	15.0	83.5	0	-41.0	0.5	---	
	7/8/2011	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	12.90	
		600	5.0	0.0	4.1	6.2	89.7	0	-4.5	0.5	---	
	10/26/2011	0	0.0	0.0	0.1	21.5	78.4	0	0.0	0.5	15.25	
		600	5.0	0.0	4.7	18.0	77.3	0	-1.0	0.5	---	
	1/13/2012	0	0.0	0.0	0.0	22.3	77.7	0	0.0	0.5	16.75	
		600	5.0	0.0	2.8	20.0	77.2	0	-1.2	0.5	---	
	4/18/2012	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	17.81	
		600	5.0	0.0	3.0	13.6	83.4	0	-60.0	0.5	---	
7/13/2012	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	14.78		
	600	5.0	0.0	4.5	12.2	83.3	0	-5.0	0.5	---		
10/29/2012	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	16.60		
	600	5.0	0.0	4.4	17.7	77.9	0	-2.0	0.5	---		
2/1/2013	0	0.0	0.0	0.2	20.8	79.0	0	0.0	0.5	13.25		
	600	5.0	0.0	3.7	12.7	83.6	0	-4.0	0.5	---		
6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	14.77		
	600	5.0	0.0	4.0	13.6	82.4	0	-3.5	0.5	---		
9/9/2013	0	0.0	0.0	0.1	18.7	81.1	1	0.0	0.5	16.37		
	600	5.0	0.0	4.6	16.4	79.0	0	-1.5	0.5	---		
11/25/2013	0	0.0	0.0	0.1	20.8	79.1	1	0.0	0.5	17.66		
	600	5.0	0.0	3.9	18.2	77.9	0	-3.0	0.5	---		
2/4/2014	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	18.71		
	600	5.0	0.0	4.1	13.5	82.4	0	-3.5	0.5	---		
5/19/2014	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	19.93		
	600	5.0	0.0	3.9	17.7	78.4	0	-2.5	0.5	---		
9/30/2014	0	0.0	0.0	nm	21.0	79.0	0	0.0	0.5	17.51		
	600	5.0	0.0	nm	13.7	86.3	0	-2.5	0.5	---		



Table 5  
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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)		CO <sub>2</sub> (%)		O <sub>2</sub> (%)		Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
				CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	O <sub>2</sub> (%)							
LFG-1 (Cont.)	12/22/2014	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	20.90			
		600	5.0	0.0	nm	18.0	82.0	0	nm	0.5	---			
	3/11/2015	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	17.93			
		600	5.0	0.0	nm	18.1	81.9	0	nm	0.5	---			
	6/23/2015	0	0.0	0.0	nm	20.5	79.5	0	-0.8	0.5	18.45			
		600	5.0	0.0	nm	17.7	82.3	0	-0.8	0.5	---			
LFG-2	4/22/2003	0	0.0	4.7	0.3	2.3	92.7	94	1.9	1.0	---			
		324	5.4	2.2	0.6	3.1	94.2	44	nm	nm	---			
		648	10.8	0.1	0.7	3.5	95.7	2	nm	nm	---			
		972	16.2	0.2	0.4	5.1	94.3	4	-24.2	0.7	---			
	11/14/2003	0	0.0	0.0	0.7	10.4	91.3	0	-1.2	0.5	dry			
		648	5.4	0.0	1.6	5.0	93.2	0	nm	0.5	---			
		1296	10.8	0.0	1.5	8.4	90.9	0	nm	0.5	---			
		1944	16.2	0.0	1.9	7.5	90.6	0	-30.1	0.5	---			
	2/11/2004	0	0.0	0.0	0.3	20.5	72.5	0	1.5	0.5	dry			
		648	5.4	0.0	1.4	3.7	94.7	0	nm	0.5	---			
		1296	10.8	0.0	1.7	4.5	92.3	0	nm	0.5	---			
		1944	16.2	0.0	1.9	5.0	91.9	0	-37.2	0.5	---			
	5/12/2004	0	0.0	0.1	0.0	19.0	81.3	2	0.8	0.5	30.87			
		576	4.8	0.0	0.9	3.8	95.4	0	nm	0.5	---			
		1152	9.4	0.1	0.8	5.2	93.9	2	nm	0.5	---			
		1728	14.4	0.0	0.5	6.3	93.3	0	-34.9	0.5	---			
	7/22/2004	0	0.0	0.0	0.0	9.0	90.0	0	0.0	0.5	31.52			
		1800	15.0	0.0	1.8	7.2	91.0	0	-27.2	0.5	---			
	8/31/2004	0	0.0	0.0	1.4	8.4	90.2	0	0.0	0.5	31.91			
		1800	15.0	0.0	1.9	9.0	89.1	0	-30.0	0.5	---			
	11/17/2004	0	0.0	0.0	2.5	9.3	88.2	0	0.0	0.5	32.13			
		1800	15.0	0.0	2.7	8.4	88.9	0	-9.8	0.5	---			
	2/2/2005	0	0.0	0.0	0.3	17.6	82.1	0	-2.3	0.5	27.70			
		1800	15.0	0.0	1.7	9.0	89.3	0	-29.0	0.5	---			
	5/18/2005	0	0.0	0.0	2.2	10.5	87.3	0	-0.3	0.5	31.02			
		1800	15.0	0.0	0.1	19.2	80.7	0	-15.5	0.5	---			
	8/10/2005	0	0.0	0.0	0.5	19.0	80.5	0	-2.1	0.5	28.65			
		1800	15.0	0.0	0.2	19.1	80.7	0	-4.7	0.5	---			
	11/30/2005	0	0.0	0.0	1.0	18.0	81.0	0	-1.6	0.5	30.65			
		1800	15.0	0.0	0.8	19.6	79.6	0	-1.6	0.5	---			
	2/17/2006	0	0.0	0.0	1.3	13.8	84.9	0	-1.3	0.5	27.63			
		1800	15.0	0.7	1.0	13.8	84.5	14	-1.3	0.5	---			
	5/26/2006	0	0.0	0.0	1.3	14.5	84.2	0	-1.0	0.5	24.07			
		1800	15.0	0.0	0.4	18.3	81.3	0	-13.7	0.5	---			
	8/25/2006	0	0.0	0.1	1.2	16.5	82.2	1	nm <sup>(2)</sup>	0.5	27.46			
		1800	15.0	0.1	0.7	17.7	81.5	1	nm <sup>(2)</sup>	0.5	---			
	11/22/2006	0	0.0	0.1	1.4	16.4	82.1	1	-0.04	0.5	28.85			
		1800	15.0	0.0	1.1	18.0	80.9	0	-0.04	0.5	---			
	2/17/2007	0	0.0	0.0	1.3	17.3	81.4	0	0.31	0.5	28.40			
		1800	15.0	0.0	1.5	15.3	83.2	0	0.31	0.5	---			
	5/31/2007	0	0.0	0.0	1.0	17.5	81.5	0	nm	0.5	28.84			
		1800	15.0	0.0	1.0	16.2	82.8	0	nm	0.5	---			
8/31/2007	0	0.0	0.0	0.9	16.2	82.9	0	nm	0.5	32.70				
	1800	15.0	0.0	1.0	15.8	83.2	0	-20.2	0.5	---				
11/30/2007	0	0.0	0.0	1.0	17.7	81.3	0	nm	0.5	30.62				
	1800	15.0	0.0	1.0	17.6	81.4	0	-11.6	0.5	---				

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)								
				CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-2 (Cont.)	2/14/2008	0	0.0	0.0	1.1	16.7	82.2	0	nm	0.5	27.84
		1800	15.0	0.0	1.0	16.9	82.1	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	0.9	17.8	81.3	0	nm	0.5	28.30
		1800	15.0	0.0	0.8	17.9	81.3	0	-19.6	0.5	---
	7/15/2008	0	0.0	0.0	0.1	21.7	78.2	0	nm	0.5	29.53
		1800	15.0	0.0	1.7	14.3	84.0	0	-13	0.5	---
	10/29/2008	0	0.0	0.0	0.1	20.4	79.5	0	-3	0.5	31.10
		1800	15.0	0.0	1.9	14.1	84.0	0	-13	0.5	---
	1/30/2009	0	0.0	0.0	0.4	20.8	78.8	0	-3	0.5	30.59
		1800	15.0	0.0	1.8	17.5	80.7	0	-12.75	0.5	---
	4/21/2009	0	0.0	0.0	0.0	17.4	82.6	0	-1.5	0.5	28.79
		1800	15.0	0.0	1.6	9.6	88.8	0	-10	0.5	---
	7/23/2009	0	0.0	0.0	0.0	21.9	78.1	0	-2.0	0.5	30.17
		1800	15.0	0.0	2.4	12.6	85.0	0	-9.0	0.5	---
	10/22/2009	0	0.0	0.0	0.1	20.4	79.5	0	0.0	0.5	31.10
		1800	15.0	0.0	2.2	9.8	88.0	0	-10.5	0.5	---
	2/3/2010	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	27.18
		1800	15.0	0.0	2.2	12.2	85.6	0	-9.5	0.5	---
	5/21/2010	0	0.0	0.2	0.0	20.3	79.5	4	0.0	0.5	26.23
		1800	15.0	0.2	2.3	8.7	88.8	3	-17.5	0.5	---
	7/21/2010	0	0.0	0.0	0.0	19.6	80.4	0	0.0	0.5	27.76
		1800	15.0	0.0	1.4	11.9	86.7	0	-14.0	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	29.35
		1800	15.0	0.0	2.0	11.0	87.0	0	-12.5	0.5	---
	1/21/2011	0	0.0	0.0	0.1	20.7	79.2	0	0.0	0.5	25.86
		1800	15.0	0.0	1.5	14.5	84.0	0	-18.3	0.5	---
	4/21/2011	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	23.38
		1800	15.0	0.0	0.2	20.0	79.8	0	-14.0	0.5	---
	7/8/2011	0	0.0	0.0	0.0	21.6	78.4	0	0.0	0.5	25.93
		1800	15.0	0.0	0.4	20.1	79.5	0	-7.0	0.5	---
10/26/2011	0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	28.71	
	1800	15.0	0.0	1.8	17.3	80.9	0	-11.5	0.5	---	
1/13/2012	0	0.0	0.0	0.0	21.6	78.4	0	0.0	0.5	29.40	
	1800	15.0	0.0	1.5	20.1	78.4	0	-12.0	0.5	---	
4/18/2012	0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	27.40	
	1800	15.0	0.0	1.9	14.2	83.9	0	-14.0	0.5	---	
7/13/2012	0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	28.18	
	1800	15.0	0.0	1.8	13.1	85.1	0	-12.0	0.5	---	
10/29/2012	0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	29.99	
	1800	15.0	0.0	2.4	15.8	81.8	0	-1.0	0.5	---	
2/1/2013	0	0.0	0.0	0.2	20.7	79.1	0	0.0	0.5	24.62	
	1800	15.0	0.0	0.8	18.1	81.1	0	-13.0	0.5	---	
6/4/2013	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	27.80	
	1800	15.0	0.0	1.6	15.6	82.8	0	-14.0	0.5	---	

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Landfill Gas Perimeter Monitoring Results  
Oyster Point Landfill  
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-2 (Cont.)	9/9/2013	0	0.0	0.1	0.1	20.1	79.7	0	0.0	0.5	29.70
		1800	15.0	0.1	2.2	12.3	85.4	0	-7.0	0.5	---
	11/25/2013	0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	30.70
		1800	15.0	0.0	2.9	15.3	81.8	0	-6.0	0.5	---
	2/4/2014	0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	31.10
		1800	15.0	0.0	1.9	16.9	81.2	0	-10.2	0.5	---
	5/19/2014	0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	29.37
		1800	15.0	0.0	2.5	15.7	81.8	0	-8.0	0.5	---
	9/30/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry
1800		15.0	0.0	nm	19.7	80.3	0	nm	0.5	---	
12/22/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry	
	1800	15.0	0.0	nm	14.7	85.3	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	dry	
	1800	15.0	0.0	nm	15.1	84.9	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	20.8	79.2	0	-0.2	0.5	20.65	
	1800	15.0	0.0	nm	15.9	84.1	0	-0.25	0.5	---	
LFG-3	4/22/2003	0	0.0	40.2	5.3	0.4	54.1	>100	1.4	1.0	---
		234	3.9	26.3	4.8	1.7	67.2	>100	nm	nm	---
		468	7.8	44.4	7.9	1.1	46.6	>100	nm	nm	---
		702	11.7	61.1	10.3	1.0	27.6	>100	-95.0	0.8	---
	11/14/2003	0	0.0	0.0	4.2	17.2	63.6	0	-1.1	0.5	21.62
		396	3.3	61.6	12.0	1.4	25.5	>100	nm	0.5	---
		792	6.6	57.5	14.0	2.4	25.6	>100	nm	0.5	---
		1188	9.9	59.0	15.0	2.1	24.1	>100	-31.6	0.5	---
	2/11/2004	0	0.0	0.0	2.2	15.0	82.8	0	1.8	0.5	10.75
		204	1.7	4.0	0.4	19.9	76.6	80	nm	0.5	---
		408	3.4	1.3	0.0	20.6	78.0	26	nm	0.5	---
		612	5.1	1.6	0.0	20.5	77.9	32	-18.5	0.5	---
	5/12/2004	0	0.0	41.5	1.8	9.2	44.6	>100	2.8	0.5	17.04
		312	2.6	14.0	2.2	15.8	67.8	>100	nm	0.5	---
		624	5.2	13.7	2.0	17.3	67.2	>100	nm	0.5	---
		936	7.8	14.2	2.2	17.3	66.5	>100	-18.8	0.5	---
	8/31/2004	0	0.0	8.9	3.1	16.7	71.3	>100	0.2	0.5	20.64
		900	7.5	2.7	1.1	19.5	76.7	54	-10.8	0.5	---
	11/17/2004	0	0.0	41.0	13.6	3.4	42.0	>100	0.0	0.5	19.01
		900	7.5	71.0	18.0	0.0	11.0	>100	-23.3	0.5	---
	2/2/2005	0	0.0	45.0	9.8	5.1	60.1	>100	1.9	0.5	9.78
		900	7.5	0.0	0.0	20.8	79.2	0	-28.8	0.5	---
	5/18/2005	0	0.0	71.8	15.4	0.0	12.8	>100	0.1	0.5	15.94
		900	7.5	79.9	20.1	0.0	0.0	>100	-30.2	0.5	---
	8/10/2005	0	0.0	62.7	14.5	1.8	21.0	>100	-2.1	0.5	18.05
		900	7.5	52.3	14.2	4.7	28.8	>100	-2.1	0.5	---
	11/30/2005	0	0.0	74.5	16.8	2.6	6.1	>100	-1.6	0.5	21.32
		900	7.5	60.4	13.9	4.7	21.0	>100	-1.6	0.5	---
	2/17/2006	0	0.0	67.8	12.6	2.7	16.9	>100	-1.5	0.5	17.71
		900	7.5	43.2	8.3	6.6	41.9	>100	-1.5	0.5	---
	5/26/2006	0	0.0	74.0	13.1	0.2	12.7	>100	-1.0	0.5	12.50
		900	7.5	81.4	17.7	0.0	0.9	>100	-47.3	0.5	---
	8/25/2006	0	0.0	35.4	8.7	11.0	44.9	>100	nm <sup>(2)</sup>	0.5	19.71
		900	7.5	15.7	3.2	17.4	63.7	>100	nm <sup>(2)</sup>	0.5	---

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-3 (Cont.)	11/22/2006	0	0.0	1.7	15.4	11.7	71.2	34	0.38	0.5	21.75
		900	7.5	65.4	15.5	1.7	17.4	>100	0.38	0.5	---
	2/17/2007	0	0.0	68.3	13.7	0.0	18.0	>100	0.31	0.5	16.75
		900	7.5	15.4	3.3	16.2	65.1	>100	0.31	0.5	---
	5/31/2007	0	0.0	0.0	0.2	21.2	78.6	0	nm	0.5	18.80
		900	7.5	72.3	15.1	0.0	12.6	>100	nm	0.5	---
	8/31/2007	0	0.0	0.0	11.2	5.1	36.4	>100	nm	0.5	22.38
		900	7.5	72.3	17.2	0.0	14.8	>100	-34.0	0.5	---
	11/30/2007	0	0.0	5.5	9.7	5.1	79.7	>100	nm	0.5	21.46
		900	7.5	7.2	15.9	0.0	76.9	>100	-32.7	0.5	---
	2/14/2008	0	0.0	0.5	6.2	5.5	87.8	10	nm	0.5	9.47
		900	7.5	0.5	4.4	10.9	84.2	10	nm	0.5	---
	5/12/2008	0	0.0	0.0	3.3	15.0	81.7	0	nm	0.5	17.60
		900	7.5	2.4	8.6	6.8	82.2	48	-50.6	0.5	---
	7/15/2008	0	0.0	0.1	6.0	13.2	80.7	1	nm	0.5	21.16
		900	7.5	0.2	10.4	5.7	83.7	4	< -50	0.5	---
	10/29/2008	0	0.0	0.0	14.5	0.0	85.5	0	-5.0	0.5	23.81
		900	7.5	0.0	1.4	17.5	81.1	0	-12.5	0.5	---
	1/30/2009	0	0.0	0.0	6.5	13.1	80.4	0	-7.0	0.5	19.60
		900	7.5	0.0	10.5	4.0	85.5	0	< -20	0.5	---
	4/21/2009	0	0.0	0.0	0.0	20.5	79.5	0	-3.0	0.5	13.85
		900	7.5	0.3	9.9	1.2	88.6	6	< -20	0.5	---
	7/23/2009	0	0.0	0.0	2.0	19.4	78.6	0	-6.0	0.5	19.15
		900	7.5	0.4	13.1	0.0	86.5	8	-45.0	0.5	---
	10/22/2009	0	0.0	0.0	0.1	19.4	80.5	0	0.0	0.5	19.19
		900	7.5	0.0	0.2	19.4	80.4	0	-23.0	0.5	---
	2/3/2010	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	8.21
		900	7.5	0.0	0.3	19.9	79.8	0	-25	0.5	---
	5/21/2010	0	0.0	0.2	0.0	19.3	80.5	3	0	0.5	11.40
		900	7.5	6.0	8.5	4.3	81.2	>100	-65	0.5	---
7/21/2010	0	0.0	0.0	0.0	17.6	82.4	0	0	0.5	16.73	
	900	7.5	2.2	5.4	9.0	83.4	44	-37	0.5	---	
10/1/2010	0	0.0	0.0	0.0	20.0	80.0	0	0	0.5	18.71	
	900	7.5	2.2	13.1	0.1	84.6	44	-40	0.5	---	
1/21/2011	0	0.0	0.0	0.1	20.6	79.3	0	0	0.5	10.81	
	900	7.5	0.0	8.9	5.8	85.3	0	-85	0.5	---	
4/21/2011	0	0.0	0.0	0.0	20.5	79.5	0	0	0.5	7.46	
	900	7.5	0.0	0.1	20.3	79.6	0	-80	0.5	---	
7/8/2011	0	0.0	0.0	0.0	20.6	79.4	0	0	0.5	15.22	
	900	7.5	0.1	8.0	2.2	89.7	0	-72	0.5	---	
10/26/2011	0	0.0	0.0	0.1	21.0	78.9	0	0	0.5	19.23	
	900	7.5	0.0	7.7	8.9	83.4	0	-47	0.5	---	
1/13/2012	0	0.0	0.0	0.0	21.7	78.3	0	0	0.5	19.90	
	900	7.5	0.0	4.4	14.0	81.6	0	-37	0.5	---	

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-3 (Cont.)	4/18/2012	0	0.0	0.0	0.0	20.0	80.0	0	0	0.5	11.36
		900	7.5	0.0	0.2	19.7	80.1	0	-61	0.5	---
	7/13/2012	0	0.0	0.0	0.0	21.1	78.9	0	0	0.5	17.93
		900	7.5	0.0	6.0	10.9	83.1	0	-60	0.5	---
	10/29/2012	0	0.0	0.0	0.0	21.0	79.0	0	0	0.5	21.07
		900	7.5	0.0	10.8	6.0	83.2	0	-50	0.5	---
	2/1/2013	0	0.0	0.0	0.2	20.7	79.1	0	0	0.5	12.65
		900	7.5	0.0	0.9	18.7	80.4	0	-65	0.5	---
	6/4/2013	0	0.0	0.0	0.0	20.4	79.6	0	0	0.5	19.52
		900	7.5	14.7	5.6	11.8	67.9	>100	-54	0.5	---
	9/9/2013	0	0.0	0.1	0.1	20.4	79.4	0	0	0.5	21.05
		900	7.5	1.7	5.2	11.8	81.3	34	-38	0.5	---
	11/25/2013	0	0.0	0.0	0.1	20.7	79.2	0	0	0.5	21.78
		900	7.5	0.0	8.6	9.0	82.4	0	-42	0.5	---
	2/4/2014	0	0.0	0.1	0.1	20.8	79.0	1	0	0.5	22.80
		900	7.5	0.0	9.8	6.1	84.1	0	-43	0.5	---
5/19/2014	0	0.0	0.0	0.1	20.2	79.7	0	0	0.5	16.23	
	900	7.5	0.0	0.6	19.0	80.4	0	-62	0.5	---	
9/30/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	19.80	
	900	7.5	0.1	nm	15.2	84.7	0	nm	0.5	---	
12/23/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	18.57	
	900	7.5	0.1	nm	20.8	79.1	2	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	21.0	79.0	0	nm	0.5	20.13	
	900	7.5	0.0	nm	20.8	79.2	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	19.1	80.9	0	0	0.5	20.66	
	900	7.5	0.0	nm	16.2	83.8	0	-41	0.5	---	
LFG-4	4/22/2003	0	0.0	41.8	1.7	16.6	39.9	>100	0.0	1.0	---
		138	2.3	0.7	3.3	15.4	80.6	14	nm	nm	---
		276	4.6	0.5	1.7	16.3	81.5	10	nm	nm	---
		414	6.9	0.5	3.2	15.6	80.7	10	1.2	0.8	---
	11/14/2003	0	0.0	0.0	0.5	20.2	78.7	0	nm	0.5	10.58
		192	1.6	0.0	5.1	16.9	78.0	0	nm	0.5	---
		348	3.2	0.0	5.1	16.9	78.2	0	nm	0.5	---
		576	4.8	0.0	4.9	17.0	78.1	0	-11.1	0.5	---
	2/11/2004	0	0.0	0.0	0.2	19.9	80.2	0	1.2	0.5	9.58
		180	1.5	0.0	3.4	13.8	82.8	0	nm	0.5	---
		360	3.0	0.0	3.4	13.9	82.7	0	nm	0.5	---
		540	4.5	0.0	3.3	13.8	82.8	0	-14.7	0.5	---
	5/12/2004	0	0.0	0.1	0.0	20.4	79.6	2	1.9	0.5	9.03
		168	1.4	0.0	4.7	14.2	81.0	0	nm	0.5	---
		336	2.8	0.0	4.7	14.1	81.0	0	nm	0.5	---
		504	4.2	0.0	4.8	14.3	80.8	0	-10.2	0.5	---
8/31/2004	0	0.0	0.0	5.7	16.0	78.3	0	0.2	0.5	10.21	
	600	5.0	0.0	5.9	16.0	78.1	0	-13.2	0.5	---	
11/17/2004	0	0.0	0.0	5.9	16.0	78.1	0	0.0	0.5	10.52	
	600	5.0	0.0	5.8	15.9	78.3	0	-6.2	0.5	---	
2/2/2005	0	0.0	0.0	2.3	12.6	85.1	0	-0.9	0.5	8.91	
	600	5.0	0.0	4.2	12.5	83.3	0	-3.0	0.5	---	

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LFG-4 (Cont.)	5/18/2005	0	0.0	0.5	5.7	12.4	81.4	10	0.0	0.5	9.78
		600	5.0	0.0	6.0	11.0	83.0	0	-8.2	0.5	---
	8/10/2005	0	0.0	0.1	6.2	15.2	78.5	2	-2.1	0.5	9.65
		600	5.0	0.0	6.3	15.1	78.6	0	-2.1	0.5	---
	11/30/2005	0	0.0	0.0	5.8	18.0	76.2	0	-1.6	0.5	10.65
		600	5.0	0.0	5.8	17.8	76.4	0	-1.6	0.5	---
	2/17/2006	0	0.0	0.1	6.2	15.2	78.5	2	-2.1	0.5	9.16
		600	5.0	0.0	6.3	15.1	78.6	0	-2.1	0.5	---
	5/26/2006	0	0.0	0.0	5.2	4.4	90.4	0	-1.2	0.5	8.22
		600	5.0	0.0	5.4	4.6	90.0	0	-7.6	0.5	---
	8/25/2006	0	0.0	0.2	4.5	17.0	78.3	4	nm <sup>(2)</sup>	0.5	8.22
		600	5.0	0.2	7.1	14.9	77.8	4	nm <sup>(2)</sup>	0.5	---
	11/22/2006	0	0.0	0.0	6.2	16.8	77.0	0	0.38	0.5	10.68
		600	5.0	0.1	6.1	16.7	77.1	1	0.38	0.5	---
	2/17/2007	0	0.0	0.0	4.1	16.3	79.6	0	0.31	0.5	10.33
		600	5.0	0.0	4.1	17.1	78.8	1	0.31	0.5	---
	5/31/2007	0	0.0	0.0	4.7	17.0	78.3	0	nm	0.5	10.05
		600	5.0	0.0	5.0	16.9	78.1	0	nm	0.5	---
	8/31/2007	0	0.0	0.0	2.6	19.3	78.1	0	nm	0.5	10.64
		600	5.0	0.0	5.6	17.2	77.2	0	-19.3	0.5	---
11/30/2007	0	0.0	0.0	5.2	17.1	77.7	0	nm	0.5	10.43	
	600	5.0	0.0	5.1	17.2	77.7	0	-15.6	0.5	---	
2/14/2008	0	0.0	0.0	4.5	17.5	78.0	0	nm	0.5	6.35	
	600	5.0	0.0	6.0	16.4	77.6	0	nm	0.5	---	
LFG-4 (Cont.) 5/12/2008	0	0.0	0.0	4.2	14.9	80.9	0	nm	0.5	9.73	
	600	5.0	0.0	4.2	14.9	80.9	0	-22.00	0.5	---	
7/15/2008	0	0.0	0.1	0.2	21.1	78.6	0	nm	0.5	10.34	
	600	5.0	0.0	5.2	16.6	78.2	0	-1.3	0.5	---	
10/29/2008	0	0.0	0.0	3.1	18.0	78.9	0	-0.8	0.5	10.95	
	600	5.0	0.0	5.4	16.3	78.3	0	-0.85	0.5	---	
1/30/2009	0	0.0	0.0	3.0	20.1	76.9	0	-1.0	0.5	11.40	
	600	5.0	0.0	3.9	19.2	76.9	0	-1.1	0.5	---	
4/21/2009	0	0.0	0.0	0.0	20.8	79.2	0	-0.90	0.5	10.70	
	600	5.0	0.0	3.4	14.7	81.9	0	-0.95	0.5	---	
7/23/2009	0	0.0	0.0	0.0	21.2	78.8	0	-0.75	0.5	10.43	
	600	5.0	0.0	5.1	16.3	78.6	0	-0.75	0.5	---	
10/22/2009	0	0.0	0.0	0.0	20.1	79.9	0	0.00	0.5	10.70	
	600	5.0	0.0	5.1	15.1	79.8	0	-0.67	0.5	---	
2/3/2010	0	0.0	0.0	0.0	19.5	80.5	0	0.0	0.5	10.22	
	600	5.0	0.0	3.0	14.5	82.5	0	-3.6	0.5	---	
5/21/2010	0	0.0	0.2	0.0	20.1	79.7	4	0.0	0.5	8.60	
	600	5.0	0.2	4.6	1.8	93.4	4	-4.5	0.5	---	
7/21/2010	0	0.0	0.0	0.0	18.7	81.3	0	0.0	0.5	9.60	
	600	5.0	0.0	6.5	5.0	88.5	0	-2.4	0.5	---	

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LFG-4 (Cont.)	10/1/2010	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	10.33
		600	5.0	0.0	7.5	13.1	79.4	0	-1.1	0.5	---
	1/21/2011	0	0.0	0.0	0.1	20.4	79.5	0	0.0	0.5	9.96
		600	5.0	0.0	5.2	10.9	83.9	0	-2.4	0.5	---
	4/21/2011	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	7.26
		600	5.0	0.0	5.0	2.6	92.4	0	-28.0	0.5	---
	7/8/2011	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	9.15
		600	5.0	0.0	7.1	2.8	90.1	0	-4.5	0.5	---
	10/26/2011	0	0.0	0.0	0.0	21.2	78.8	0	0.0	0.5	10.42
		600	5.0	0.0	9.0	13.3	77.7	0	-1.5	0.5	---
	1/13/2012	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	10.81
		600	5.0	0.0	5.3	17.2	77.5	0	-1.5	0.5	---
	4/18/2012	0	0.0	0.0	0.0	20.3	79.7	0	0.0	0.5	10.58
		600	5.0	0.0	5.0	12.7	82.3	0	-11.0	0.5	---
	7/13/2012	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	10.41
		600	5.0	0.0	8.8	11.1	80.1	0	-2.0	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	10.78
		600	5.0	0.0	8.3	14.2	77.5	0	-1.5	0.5	---
	2/1/2013	0	0.0	0.0	0.2	20.7	79.1	0	0.0	0.5	9.55
		600	5.0	0.0	5.7	9.3	85.0	0	-3.0	0.5	---
6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	10.61	
	600	5.0	0.0	7.3	12.4	80.3	0	-1.4	0.5	---	
9/9/2013	0	0.0	0.0	0.1	0.1	19.3	80.5	0	0.0	0.5	10.94
	600	5.0	0.0	9.7	11.0	79.3	0	0.0	0.5	---	
11/25/2013	0	0.0	0.0	0.1	20.8	79.1	0	0.0	0.5	11.21	
	600	5.0	0.1	7.5	15.2	77.2	1	-1.5	0.5	---	
2/4/2014	0	0.0	0.0	0.1	20.8	79.1	0	0.0	0.5	11.55	
	600	5.0	0.0	8.5	12.4	79.1	0	-1.9	0.5	---	
5/19/2014	0	0.0	0.0	0.1	20.3	79.6	0	0.0	0.5	11.82	
	600	5.0	0.0	8.0	14.4	77.6	0	-2.5	0.5	---	
9/30/2014	0	0.0	0.0	nm	20.3	79.7	0	nm	0.5	10.78	
	600	5.0	0.0	nm	14.4	85.6	0	nm	0.5	---	
12/23/2014	0	0.0	0.0	0.1	nm	20.6	79.3	2	nm	0.5	12.41
	600	5.0	0.0	nm	14.4	85.6	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	21.0	79.0	0	nm	0.5	11.43	
	600	5.0	0.0	nm	12.8	87.2	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	19.9	80.1	0	nm	0.5	12.42	
	600	5.0	0.0	nm	14.3	85.7	0	nm	0.5	---	
LFG-5	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.17
	2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.95
	5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.05
	8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.88
	11/17/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.01
	2/2/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.32
	5/18/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.73
	8/10/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.93
	11/30/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.89
	2/17/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.69
	5/26/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.36
	8/25/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.60
	11/22/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.85

Table 5  
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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-5 (Cont.)	2/17/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.40
	5/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.70
	8/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.92
	11/30/2007	0	0.0	0.0	3.9	12.6	83.5	0	nm	0.5	7.70
		200	1.7	0.0	4.2	12.4	83.4	0	nm	0.5	---
		400	3.4	0.0	4.2	12.4	83.4	0	nm	0.5	---
		600	5.0	0.0	4.2	12.4	83.4	0	-12.7	0.5	---
	2/14/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.72
		5/12/2008	NA	ng	ng	ng	ng	ng	ng	ng	3.57
	7/15/2008	0	0.0	0.0	0.0	21.7	78.3	0	nm	0.5	5.50
		200	1.7	0.1	0.0	21.7	78.2	1	-10.5	0.5	---
		400	3.4	0.0	0.0	21.7	78.3	0	-10.5	0.5	---
		600	5.0	0.0	0.0	21.8	78.2	0	-10.5	0.5	---
	10/29/2008	0	0.0	0.1	3.3	16.7	79.9	1	-0.10	0.5	8.65
		200	1.7	0.0	5.5	13.5	81.0	0	-0.15	0.5	---
		400	3.4	0.0	5.4	13.9	80.7	0	-0.15	0.5	---
		600	5.0	0.0	5.2	14.0	80.8	0	-0.15	0.5	---
	1/30/2009	0	0.0	0.0	0.1	21.9	78.0	0	< -20	0.5	5.50
		200	1.7	0.0	0.1	21.9	78.0	0	< -20	0.5	---
		400	3.4	0.0	0.1	21.9	78.0	0	< -20	0.5	---
		600	5.0	0.0	0.1	21.9	78.0	0	< -20	0.5	---
	4/21/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.95
	7/23/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.53
	10/22/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.48
	2/3/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.39
	5/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.65
	7/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.90
	10/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.20
	1/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.05
	4/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.34
	7/8/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.80
	10/26/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.22
	1/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.48
	4/18/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.88
	7/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.41
	10/29/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.32
	2/1/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.52
	6/4/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.47
	9/9/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.47
	11/25/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.87
	2/4/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.85
	5/19/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.34
	9/30/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.83
	12/22/2014	0	0.0	0.0	nm	16.1	83.9	0	nm	0.5	6.60
		200	1.7	0.0	nm	20.9	79.1	0	nm	0.5	---
		400	3.4	0.0	nm	20.9	79.1	0	nm	0.5	---
		600	5.0	0.0	nm	20.9	79.1	0	nm	0.5	---
3/11/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.35	
6/23/2015	0	0.0	0.0	nm	20.1	79.9	0	0.0	0.5	8.25	
	600	5.0	0.0	nm	16.8	83.2	0	-0.5	0.5	---	
LFG-6	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.56
	2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.15
	5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.92
	8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.75
	11/17/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.81
	2/2/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.52
	5/18/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.76
	8/10/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.20
	11/30/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.17
	2/17/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.20
	5/26/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.00
	8/25/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.84
	11/22/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.70
	2/17/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.32
	5/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.53
	8/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.98



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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-6 (Cont.)	11/30/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.61
	2/14/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.10
	5/12/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.95
	7/15/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.16
	10/29/2008	0	0.0	0.0	0.1	20.4	79.5	0	-2.4	0.5	5.40
		200	1.7	0.0	0.0	20.7	79.3	0	-2.4	0.5	---
		400	3.4	0.1	0.0	20.6	79.3	1	-2.4	0.5	---
		600	5.0	0.0	0.0	20.7	79.3	0	-2.4	0.5	---
	1/30/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.80
	4/21/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.26
	7/23/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/22/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	2/3/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	5/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	1/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	4/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.52
	7/8/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/26/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	1/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	4/18/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/29/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	2/1/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	6/4/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	9/9/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	11/25/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.26
	2/4/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.17
5/19/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.73	
9/30/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.72	
12/22/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.18	
3/11/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled	
6/23/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.49	
LFG-7	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.87
	2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.09
	5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.09
	8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.35
	11/17/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.39
	2/2/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.83
	5/18/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.02
	8/10/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.54
	11/30/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.64
	2/17/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.60
	5/26/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.10
	8/25/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.54
	11/22/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.23
	2/17/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.87
	5/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.06
	8/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.74
	11/30/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.25
	2/14/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.35
	5/12/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.65
	7/15/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.81
	10/29/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.96
	1/30/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.60
	4/21/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.03
	7/23/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.20
	10/22/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.73
	2/3/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	5/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.80
	1/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.91
4/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.65	

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LFG-7 (Cont.)	7/8/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/26/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	1/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.45
	4/18/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.01
	10/29/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.84
	2/1/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.27
	6/4/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.23
	9/9/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.20
	11/25/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.45
	2/4/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.63
	5/19/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.40
	9/30/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.88
	12/22/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.35
	3/11/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.25
6/23/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.91	
LFG-8	5/31/2007	0	0.0	0.0	0.0	20.8	79.2	0	nm	0.5	dry
		600	5.0	0.0	0.8	15.8	83.4	1	nm	0.5	---
	8/31/2007	0	0.0	0.0	1.2	18.2	80.6	0	nm	0.5	dry
		600	5.0	0.0	1.3	18.0	80.7	0	-14.3	0.5	---
	11/30/2007	0	0.0	0.0	5.6	12.8	81.6	0	nm	0.5	dry
		600	5.0	0.0	6.5	11.4	82.1	0	-12.8	0.5	---
	2/14/2008	0	0.0	0.0	0.6	19.5	79.9	0	nm	0.5	dry
		600	5.0	0.0	1.3	18.2	80.5	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	2.0	13.8	84.2	0	nm	0.5	dry
		600	5.0	0.0	2.5	12.3	85.2	0	-13.9	0.5	---
	7/15/2008	0	0.0	0.0	1.1	20.0	78.9	0	nm	0.5	dry
		600	5.0	0.0	2.0	18.6	79.4	0	-0.1	0.5	---
	10/29/2008	0	0.0	0.0	1.2	19.3	79.5	0	-0.15	0.5	dry
		600	5.0	0.0	1.8	18.2	80.0	0	-0.15	0.5	---
	1/30/2009	0	0.0	0.0	0.0	21.0	79.0	0	-0.50	0.5	dry
		600	5.0	0.0	0.0	16.0	84.0	0	-0.94	0.5	---
	4/21/2009	0	0.0	0.0	0.0	16.4	83.6	0	-0.50	0.5	dry
		600	5.0	0.0	1.3	10.0	88.7	0	-1.30	0.5	---
	7/23/2009	0	0.0	0.0	2.3	19.5	78.2	0	0.0	0.5	dry
		600	5.0	0.0	2.8	18.4	78.8	0	0.0	0.5	---
10/22/2009	0	0.0	0.0	0.1	19.7	80.2	0	0.0	0.5	dry	
	600	5.0	0.0	1.6	15.5	82.9	0	-0.13	0.5	---	
2/3/2010	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	7.51	
	600	5.0	0.0	0.1	20.5	79.4	0	-31	0.5	---	
5/21/2010	0	0.0	0.2	0.0	19.9	79.9	3	0.0	0.5	dry	
	600	5.0	0.2	1.1	14.4	84.3	3	-4.1	0.5	---	
7/21/2010	0	0.0	0.0	0.0	19.5	80.5	0	0.0	0.5	dry	
	600	5.0	0.0	2.9	13.3	83.8	0	0.0	0.5	---	
10/1/2010	0	0.0	0.0	0.0	20.2	79.8	0	0.0	0.5	dry	
	600	5.0	0.0	2.2	17.8	80.0	0	0.0	0.5	---	
1/21/2011	0	0.0	0.0	0.1	21.6	78.3	0	0.0	0.5	11.55	
	600	5.0	0.0	1.1	15.0	83.9	0	-7.0	0.5	---	
4/21/2011	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	10.75	
	600	5.0	0.0	1.9	11.2	86.9	0	-3.25	0.5	---	

Table 5  
 Landfill Gas Perimeter Monitoring Results  
 Oyster Point Landfill  
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-8 (Cont.)	7/8/2011	0	0.0	0.0	0.0	21.4	78.6	0	0.0	0.5	dry
		600	5.0	0.0	3.2	17.3	79.5	0	0.0	0.5	---
	10/26/2011	0	0.0	0.0	0.0	21.4	78.6	0	0.0	0.5	dry
		600	5.0	0.1	2.3	19.4	78.2	0	0.0	0.5	---
	1/13/2012	0	0.0	0.0	0.0	22.1	77.9	0	0.0	0.5	dry
		600	5.0	0.0	1.3	20.6	78.1	0	0.0	0.5	---
	4/18/2012	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	8.59
		600	5.0	0.0	1.0	15.8	83.2	0	-8.50	0.5	---
	7/13/2012	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	dry
		600	5.0	0.0	3.0	17.1	79.9	0	-0.20	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	dry
		600	5.0	0.0	1.9	18.8	79.3	0	-0.20	0.5	---
	2/1/2013	0	0.0	0.0	0.2	20.8	79.0	0	0.0	0.5	dry
		600	5.0	0.0	2.0	12.7	85.3	0	0.0	0.5	---
	6/4/2013	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	dry
		600	5.0	0.0	2.2	17.8	80.0	0	0.0	0.5	---
	9/9/2013	0	0.0	0.1	0.1	19.2	80.6	1	0.0	0.5	dry
		600	5.0	0.0	2.1	17.0	80.9	0	0.0	0.5	---
	11/25/2013	0	0.0	0.0	0.1	20.8	79.1	0	0.0	0.5	dry
		600	5.0	0.0	1.8	18.9	79.3	0	0.0	0.5	---
2/4/2014	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	dry	
	600	5.0	0.0	2.1	17.4	80.5	0	0.0	0.5	---	
5/19/2014	0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	dry	
	600	5.0	0.0	1.8	18.9	79.3	0	0.0	0.5	---	
9/30/2014	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	dry	
	600	5.0	0.0	nm	20.0	80.0	0	nm	0.5	---	
12/23/2014	0	0.0	0.1	nm	20.5	79.4	1	nm	0.5	5.78	
	600	5.0	0.0	nm	19.2	80.8	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	21.0	79.0	0	nm	0.5	dry	
	600	5.0	0.0	nm	17.7	82.3	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	20.9	79.1	0	-0.2	0.5	dry	
	600	5.0	0.0	nm	18.8	81.2	0	-0.2	0.5	---	
LFG-9	5/31/2007	0	0.0	0.0	10.3	11.6	78.1	0	nm	0.5	dry
		600	5.0	0.0	13.0	6.7	80.3	1	nm	0.5	---
	8/31/2007	0	0.0	0.0	4.3	13.7	82.0	0	nm	0.5	dry
		600	5.0	0.0	5.7	11.4	82.9	0	-12.9	0.5	---
	11/30/2007	0	0.0	0.0	8.2	6.6	85.2	0	nm	0.5	dry
		600	5.0	0.0	10.2	3.8	86.0	0	-13.0	0.5	---
	2/14/2008	0	0.0	0.0	9.3	12.7	78.1	0	nm	0.5	dry
		600	5.0	0.0	10.3	9.1	80.7	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	6.0	15.4	78.6	0	nm	0.5	dry
		600	5.0	0.0	5.9	15.4	78.7	0	-12.5	0.5	---
7/15/2008	0	0.0	0.0	5.3	12.9	81.8	0	nm	0.5	dry	
	600	5.0	0.0	5.3	12.8	81.9	0	-0.1	0.5	---	
10/29/2008	0	0.0	0.0	5.7	13.1	81.2	0	-0.15	0.5	dry	
	600	5.0	0.0	7.3	8.4	84.3	0	-0.15	0.5	---	

Table 5  
 Landfill Gas Perimeter Monitoring Results  
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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-9 (Cont.)	1/30/2009	0	0.0	0.0	5.3	12.9	81.8	0	0.0	0.5	dry
		600	5.0	0.0	11.4	2.9	85.7	0	0.0	0.5	---
	4/21/2009	0	0.0	0.0	0.0	16.5	83.5	0	0.0	0.5	dry
		600	5.0	0.0	4.5	13.1	82.4	0	0.0	0.5	---
	7/23/2009	0	0.0	0.1	2.2	20.0	77.7	1.0	0.0	0.5	dry
		600	5.0	0.0	4.6	15.8	79.6	0.0	0.0	0.5	---
	10/22/2009	0	0.0	0.0	0.2	20.2	79.6	0.0	0.0	0.5	dry
		600	5.0	0.0	9.6	3.2	87.2	0.0	0.0	0.5	---
	2/3/2010	0	0.0	0.0	0.0	20.8	79.2	0.0	0.0	0.5	dry
		600	5.0	7.7	13.7	0.0	78.6	>100	0.0	0.5	---
	5/21/2010	0	0.0	0.2	0.0	20.0	79.8	4	0.0	0.5	dry
		600	5.0	1.5	14.8	0.0	83.7	30	0.0	0.5	---
	7/21/2010	0	0.0	0.0	0.0	19.6	80.4	0.0	0.0	0.5	dry
		600	5.0	0.0	5.3	13.7	81.0	0.0	0.0	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.3	79.7	0.0	0.0	0.5	dry
		600	5.0	0.0	6.8	10.0	83.2	0.0	0.0	0.5	---
	1/21/2011	0	0.0	0.0	0.1	21.6	78.3	0.0	0.0	0.5	dry
		600	5.0	7.4	14.1	0.0	78.5	>100	0.0	0.5	---
	4/21/2011	0	0.0	0.0	0.0	21.8	78.2	0.0	0.0	0.5	dry
		600	5.0	5.2	13.3	0.0	81.5	>100	0.0	0.5	---
	7/8/2011	0	0.0	0.0	0.0	21.5	78.5	0.0	0.0	0.5	dry
		600	5.0	0.8	15.4	0.0	83.8	16	0.0	0.5	---
	10/26/2011	0	0.0	0.0	0.0	21.5	78.5	0.0	0.0	0.5	dry
		600	5.0	0.0	7.3	10.7	82.0	0.0	0.0	0.5	---
	1/13/2012	0	0.0	0.0	0.0	22.1	77.9	0.0	0.0	0.5	dry
		600	5.0	0.0	6.6	10.5	82.9	0.0	0.0	0.5	---
	4/18/2012	0	0.0	0.0	0.0	21.0	79.0	0.0	0.0	0.5	dry
		600	5.0	0.0	6.0	12.2	81.8	0.0	0.0	0.5	---
	7/13/2012	0	0.0	0.0	0.0	21.0	79.0	0.0	0.0	0.5	dry
		600	5.0	0.0	2.3	18.8	78.9	0.0	0.0	0.5	---
10/29/2012	0	0.0	0.0	0.0	20.7	79.3	0.0	0.0	0.5	dry	
	600	5.0	0.0	5.0	11.6	83.4	0.0	0.0	0.5	---	
2/1/2013	0	0.0	0.0	0.2	20.9	78.9	0.0	0.0	0.5	dry	
	600	5.0	0.0	5.8	11.3	82.9	0.0	0.0	0.5	---	
6/4/2013	0	0.0	0.0	0.0	20.4	79.6	0.0	0.0	0.5	dry	
	600	5.0	0.0	2.7	17.0	80.3	0.0	0.0	0.5	---	
9/9/2013	0	0.0	0.1	0.1	20.4	79.4	1.0	0.0	0.5	dry	
	600	5.0	0.0	3.2	14.4	82.4	0.0	0.0	0.5	---	
11/25/2013	0	0.0	0.0	0.1	20.9	79.0	0.0	0.0	0.5	dry	
	600	5.0	0.0	5.1	11.5	83.4	0.0	0.0	0.5	---	
2/4/2014	0	0.0	0.0	0.1	21.1	78.8	0.0	0.0	0.5	dry	
	600	5.0	0.0	4.7	14.7	80.6	0.0	0.0	0.5	---	
5/19/2014	0	0.0	0.0	0.1	21.1	78.8	0.0	0.0	0.5	dry	
	600	5.0	0.0	5.7	12.4	81.9	0.0	0.0	0.5	---	
9/30/2014	0	0.0	0.0	nm	21.1	78.9	0.0	nm	0.5	dry	
	600	5.0	0.0	nm	12.7	87.3	0.0	nm	0.5	---	

Table 5  
 Landfill Gas Perimeter Monitoring Results  
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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-9 (Cont.)	12/23/2014	0	0.0	0.0	nm	20.8	79.2	0.0	nm	0.5	dry
		600	5.0	0.3	nm	1.8	97.9	5.0	nm	0.5	---
	3/11/2015	0	0.0	0.0	nm	21.0	79.0	0.0	nm	0.5	dry
		600	5.0	0.0	nm	16.0	84.0	0.0	nm	0.5	---
	6/23/2015	0	0.0	0.0	nm	20.5	79.5	0.0	0.0	0.5	dry
		600	5.0	0.0	nm	20.2	79.8	0.0	-0.5	0.5	---
LFG-10	5/31/2007	0	0.0	1.7	6.9	14.2	77.2	>100	nm	0.5	dry
		200	1.7	4.5	8.4	12.6	74.5	>100	nm	0.5	---
		400	3.4	0.7	8.5	13.0	77.8	13	nm	0.5	---
		600	5.0	0.2	8.5	13.0	78.3	4	nm	0.5	---
	8/31/2007	0	0.0	0.0	5.0	14.7	80.3	0	nm	0.5	dry
		200	1.7	0.0	5.3	13.6	81.1	0	nm	0.5	---
		400	3.4	0.0	5.2	13.5	81.3	0	nm	0.5	---
		600	5.0	0.0	5.2	13.4	81.4	0	-13.30	0.5	---
	11/30/2007	0	0.0	0.0	1.1	19.1	79.8	0	nm	0.5	dry
		600	5.0	0.0	1.2	18.6	80.2	0	-11.5	0.5	---
	2/14/2008	0	0.0	1.5	6.0	14.5	78.1	0	nm	0.5	dry
		200	1.7	0.8	6.3	13.9	79.0	0	nm	0.5	---
		400	3.4	0.8	6.4	13.3	79.6	0	nm	0.5	---
		600	5.0	0.6	6.4	13.2	79.8	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	4.0	17.8	78.2	0	nm	0.5	dry
		600	5.0	0.0	4.4	17.5	78.1	0	-12.3	0.5	---
	7/15/2008	0	0.0	0.1	4.3	15.5	80.1	1	nm	0.5	dry
		600	5.0	0.1	4.6	15.2	80.1	1	-0.1	0.5	---
	10/29/2008	0	0.0	0.0	3.3	17.3	79.4	0	-0.1	0.5	dry
		600	5.0	0.0	5.1	13.2	81.7	0	-0.1	0.5	---
	1/30/2009	0	0.0	0.0	3.7	14.5	81.8	0	0.0	0.5	dry
		600	5.0	0.0	5.0	12.4	82.6	0	0.0	0.5	---
	4/21/2009	0	0.0	0.0	0.0	17.0	83.0	0	0.0	0.5	dry
		600	5.0	0.0	2.7	15.5	81.8	0	0.0	0.5	---
	7/23/2009	0	0.0	0.0	2.6	21.1	76.3	0	0.0	0.5	dry
		600	5.0	0.0	4.3	17.2	78.5	0	0.0	0.5	---
	10/22/2009	0	0.0	0.0	0.2	20.3	79.5	0	0.0	0.5	dry
		600	5.0	0.0	5.3	11.0	83.7	0	0.0	0.5	---
	2/3/2010	0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	dry
		600	5.0	0.0	5.6	11.2	83.2	0	0.0	0.5	---
	5/21/2010	0	0.0	0.2	0.1	19.7	80.0	4	0.0	0.5	dry
		600	5.0	0.2	6.5	10.8	82.5	4	0.0	0.5	---
	7/21/2010	0	0.0	0.0	0.0	19.5	80.5	0	0.0	0.5	dry
		600	5.0	0.0	4.1	15.3	80.6	0	0.0	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	dry
		600	5.0	0.0	4.7	12.8	82.5	0	0.0	0.5	---
1/21/2011	0	0.0	0.0	0.2	21.5	78.3	0	0.0	0.5	dry	
	600	5.0	0.0	6.4	10.0	83.6	0	0.0	0.5	---	
4/21/2011	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	dry	
	600	5.0	0.0	9.3	4.4	86.3	0	0.0	0.5	---	
7/8/2011	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	dry	
	600	5.0	0.0	7.7	4.5	87.8	0	0.0	0.5	---	
10/26/2011	0	0.0	0.0	0.1	21.5	78.4	0	0.0	0.5	dry	
	600	5.0	0.0	5.5	13.5	81.0	0	0.0	0.5	---	

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-10 (Cont.)	1/13/2012	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	dry
		600	5.0	0.0	4.6	14.8	80.6	0	0.0	0.5	---
	4/18/2012	0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	dry
		600	5.0	0.0	3.5	16.2	80.3	0	0.0	0.5	---
	7/13/2012	0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	dry
		600	5.0	0.0	2.3	19.1	78.6	0	0.0	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	dry
		600	5.0	0.0	3.6	15.8	80.6	0	0.0	0.5	---
	2/1/2013	0	0.0	0.0	0.2	21.0	78.8	0	0.0	0.5	dry
		600	5.0	0.0	3.0	16.1	80.9	0	0.0	0.5	---
6/4/2013	NA										
9/9/2013	0	0.0	0.0	0.1	20.3	79.6	0	0.0	0.5	dry	
	600	5.0	0.0	3.5	16.3	80.2	0	0.0	0.5	---	
11/25/2013	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	dry	
	600	5.0	0.0	3.5	16.0	80.5	0	0.0	0.5	---	
2/4/2014	0	0.0	0.0	0.1	21.1	78.8	0	0.0	0.5	dry	
	600	5.0	0.0	3.4	16.0	80.6	0	0.0	0.5	---	
LFG-10 (Cont.)	5/19/2014	0	0.0	0.0	0.1	21.1	78.8	0	0.0	0.5	dry
		600	5.0	0.0	3.7	15.8	80.5	0	0.0	0.5	---
	9/30/2014	0	0.0	0.0	nm	21.1	78.9	0	nm	0.5	dry
		600	5.0	0.0	nm	13.7	86.3	0	nm	0.5	---
	12/23/2014	0	0.0	1.0	nm	20.8	78.2	1	nm	0.5	dry
600		5.0	0.0	nm	9.7	90.3	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry	
	600	5.0	0.0	nm	17.2	82.8	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	21.0	79.0	0	0.0	0.5	dry	
	600	5.0	0.0	nm	20.7	79.3	0	-0.5	0.5	---	
PVT-1	5/31/2007	200	1.7	6.1	18.1	1.4	74.4	>100	nm	0.5	nm
	8/31/2007	200	1.7	0.3	9.5	7.7	82.5	6	nm	0.5	nm
	11/30/2007	300	2.5	7.1	17.0	0.1	75.8	>100	-12.6	0.5	nm
	2/14/2008	300	2.5	12.9	16.5	1.8	68.8	>100	nm	0.5	nm
	5/12/2008	300	2.5	3.5	13.2	6.7	76.6	70	0.0	0.5	nm
	7/15/2008	300	2.5	0.8	10.7	6.8	81.7	16	-0.1	0.5	nm
	10/29/2008	300	2.5	0.1	9.0	6.3	84.6	1	-0.1	0.5	nm
	1/30/2009	300	2.5	0.4	2.0	18.8	78.8	8	0.0	0.5	nm
	4/21/2009	300	2.5	0.0	0.0	17.1	82.9	0	0.0	0.5	nm
	7/23/2009	300	2.5	1.6	9.9	9.8	78.7	32	0.0	0.5	nm
	10/22/2009	300	2.5	8.2	19.5	0.0	72.3	>100	0.0	0.5	nm
	2/3/2010	300	2.5	20.3	19.4	0.0	60.3	>100	0.0	0.5	nm
	5/21/2010	300	2.5	9.2	17.3	0.0	73.5	>100	0.0	0.5	nm
	7/21/2010	300	2.5	1.0	10.0	9.0	80.0	20	0.0	0.5	nm
	10/1/2010	300	2.5	0.8	10.4	6.3	82.5	15	0.0	0.5	nm
	1/21/2011	300	2.5	19.6	20.0	0.0	60.4	>100	0.0	0.5	nm
	4/21/2011	300	2.5	15.0	17.5	0.0	67.5	>100	0.0	0.5	nm
	7/8/2011	300	2.5	7.7	17.7	0.0	74.6	>100	0.0	0.5	nm
	10/26/2011	300	2.5	1.2	12.2	6.8	79.8	24	0.0	0.5	nm
	1/13/2012	300	2.5	0.0	0.5	21.2	78.3	0	0.0	0.5	nm
4/18/2012	300	2.5	3.2	11.2	6.8	78.8	64	0.0	0.5	nm	
7/13/2012	300	2.5	0.0	6.4	14.0	79.6	0	0.0	0.5	nm	
10/29/2012	300	2.5	0.0	7.2	10.1	82.7	0	0.0	0.5	nm	
2/1/2013	300	2.5	0.0	6.1	11.8	82.1	0	0.0	0.5	nm	
6/4/2013	300	2.5	0.0	5.1	13.9	81.0	0	0.0	0.5	nm	

Table 5  
 Landfill Gas Perimeter Monitoring Results  
 Oyster Point Landfill  
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
PVT-1 (Cont.)	9/9/2013	300	2.5	0.0	6.0	11.6	82.4	0	0.0	0.5	nm
	11/25/2013	300	2.5	0.0	6.8	10.5	82.7	0	0.0	0.5	nm
	2/4/2014	300	2.5	0.0	6.2	12.1	81.7	0	0.0	0.5	nm
	5/19/2014	300	2.5	0.0	5.6	12.9	81.5	0	0.0	0.5	nm
	9/30/2014	300	2.5	0.2	nm	14.9	84.9	0	nm	0.5	nm
	12/22/2014	300	2.5	5.0	nm	0.0	95.0	100	nm	0.5	nm
	3/11/2015	300	2.5	0.5	nm	11.7	87.8	10	nm	0.5	nm
	6/23/2015	300	2.5	0.1	nm	17.1	82.8	2	-0.5	0.5	nm
PVT-2	11/30/2007	300	2.5	69.0	18.2	1.2	11.6	>100	-12.0	0.5	nm
	2/14/2008	300	2.5	63.1	16.9	1.7	18.3	>100	-12.0	0.5	nm
	5/12/2008	300	2.5	54.7	17.8	2.2	25.3	>100	0.0	0.5	nm
	7/15/2008	300	2.5	51.5	19.0	1.5	28.0	>100	0.0	0.5	nm
	10/29/2008	300	2.5	66.8	19.9	0.0	13.3	>100	0.0	0.5	nm
	1/30/2009	300	2.5	78.2	17.5	1.6	2.7	>100	0.0	0.5	nm
	4/21/2009	300	2.5	62.7	18.8	0.4	18.1	>100	0.0	0.5	nm
	7/23/2009	300	2.5	45.0	18.1	2.7	34.2	>100	0.0	0.5	nm
	10/22/2009	300	2.5	69.9	20.1	0.0	10.0	>100	0.0	0.5	nm
	2/3/2010	300	2.5	75.5	18.5	0.2	5.8	>100	0.0	0.5	nm
	5/21/2010	300	2.5	28.9	12.0	7.0	52.1	58	0.0	0.5	nm
	7/21/2010	300	2.5	61.6	20.9	0.0	17.5	>100	0.0	0.5	nm
	10/1/2010	300	2.5	57.4	19.6	0.8	22.2	>100	0.0	0.5	nm
	1/21/2011	300	2.5	71.0	20.8	0.2	8.0	>100	0.0	0.5	nm
	4/21/2011	300	2.5	0.9	0.9	18.7	79.5	18	0.0	0.5	nm
	7/8/2011	300	2.5	76.7	22.6	0.0	0.7	>100	0.0	0.5	nm
	10/26/2011	300	2.5	50.9	18.2	3.8	27.1	>100	0.0	0.5	nm
	1/13/2012	300	2.5	58.2	16.3	3.1	22.4	>100	0.0	0.5	nm
	4/18/2012	300	2.5	58.7	16.0	3.1	22.2	>100	0.0	0.5	nm
	7/13/2012	300	2.5	43.2	16.8	4.9	35.1	>100	0.0	0.5	nm
	10/29/2012	300	2.5	52.5	17.5	2.7	27.3	>100	0.0	0.5	nm
	2/1/2013	300	2.5	70.7	19.4	0.0	9.9	>100	0.0	0.5	nm
	6/4/2013	300	2.5	63.7	18.5	1.4	16.4	>100	0.0	0.5	nm
	9/9/2013	300	2.5	69.9	24.4	1.6	4.1	>100	0.0	0.5	nm
	11/25/2013	300	2.5	65.8	21.3	1.6	11.3	>100	0.0	0.5	nm
	2/4/2014	300	2.5	68.7	23.7	1.5	6.1	>100	0.0	0.5	nm
	5/19/2014	300	2.5	69.5	24.1	1.5	4.9	>100	0.0	0.5	nm
	9/30/2014	300	2.5	52.0	nm	3.2	44.8	>100	nm	0.5	nm
12/23/2014	300	2.5	62.3	nm	20.3	17.4	>100	nm	0.5	nm	
3/11/2015	300	2.5	61.0	nm	14.1	24.9	>100	nm	0.5	nm	
6/23/2015	300	2.5	62.7	nm	12.4	24.9	>100	-0.5	0.5	nm	
PVW-1	11/30/2007	300	2.5	7.2	0.5	7.2	85.1	>100	-15.1	0.5	nm
	2/14/2008	300	2.5	0.0	0.6	19.1	80.3	0	nm	0.5	nm
	5/12/2008	300	2.5	0.0	0.0	21.7	78.3	0	0.0	0.5	nm
	7/15/2008	300	2.5	0.1	0.2	21.0	78.7	1	0.0	0.5	nm
	10/29/2008	300	2.5	0.0	0.1	19.3	80.6	0	0.0	0.5	nm
	1/30/2009	300	2.5	0.0	0.1	21.6	78.3	0	0.0	0.5	nm
	4/21/2009	300	2.5	0.0	0.0	20.3	79.7	0	0.0	0.5	nm
	7/23/2009	300	2.5	0.0	0.0	20.7	79.3	0	0.0	0.5	nm
	10/22/2009	300	2.5	0.0	0.2	19.4	80.4	0	0.0	0.5	nm
	2/3/2010	300	2.5	0.0	0.1	20.2	79.7	0	0.0	0.5	nm
	5/21/2010	300	2.5	0.2	0.0	19.3	80.5	3	0.0	0.5	nm
	7/21/2010	300	2.5	0.0	0.0	17.6	82.4	0	0.0	0.5	nm
	10/1/2010	300	2.5	0.0	0.0	20.0	80.0	0	0.0	0.5	nm
	1/21/2011	300	2.5	0.0	0.2	20.5	79.3	0	0.0	0.5	nm
	4/21/2011	300	2.5	0.0	0.0	20.5	79.5	0	0.0	0.5	nm
	7/8/2011	300	2.5	0.0	0.0	20.1	79.9	0	0.0	0.5	nm
	10/26/2011	300	2.5	0.0	0.1	21.0	78.9	0	0.0	0.5	nm
	1/13/2012	300	2.5	0.0	0.0	21.6	78.4	0	1.0	0.5	nm
	4/18/2012	300	2.5	0.0	0.0	20.1	79.9	0	0.0	0.5	nm
	7/13/2012	300	2.5	0.0	0.0	20.3	79.7	0	0.0	0.5	nm
	10/29/2012	300	2.5	0.0	0.0	21.0	79.0	0	0.0	0.5	nm
	2/1/2013	300	2.5	0.0	0.2	20.7	79.1	0	0.0	0.5	nm
	6/4/2013	300	2.5	0.0	0.0	20.4	79.6	0	0.0	0.5	nm
	9/9/2013	300	2.5	0.1	0.1	20.0	79.8	0	0.0	0.5	nm
	11/25/2013	300	2.5	0.0	0.1	20.6	79.3	0	0.0	0.5	nm
	2/4/2014	300	2.5	0.0	0.1	20.7	79.2	0	0.0	0.5	nm

Table 5  
 Landfill Gas Perimeter Monitoring Results  
 Oyster Point Landfill  
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH <sub>4</sub> (%)	CO <sub>2</sub> (%)	O <sub>2</sub> (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
PVW-1 (Cont.)	5/19/2014	300	2.5	0.0	0.0	20.2	79.8	0	0.0	0.5	nm
	9/30/2014	300	2.5	0.0	nm	20.8	79.2	0	0.0	0.5	nm
	12/23/2014	300	2.5	0.0	nm	21.0	79.0	0	0.0	0.5	nm
	3/11/2015	300	2.5	0.0	nm	21.0	79.0	0	0.0	0.5	nm
	6/23/2015	300	2.5	0.0	0.0	nm	19.7	80.3	0	-0.1	0.5
MW-5	11/16/2011	0	0.0	0.0	-	20.9	79.1	0	0.0	0.5	14.21
		300	2.5	9.0	-	11.5	79.5	>100	0.0	0.5	---
		600	5.0	12.0	-	11.8	76.2	>100	0.0	0.5	---
	1/13/2012	0	0.0	0.0	0.0	22.4	77.6	0	0.0	0.5	16.15
		200	1.7	15.3	4.6	5.0	75.1	>100	0.0	0.5	---
		400	3.4	17.3	5.2	2.4	75.1	>100	0.0	0.5	---
		600	5.0	18.5	5.5	0.8	75.2	>100	0.0	0.5	---
		800	6.7	19.0	5.7	0.1	75.2	>100	0.0	0.5	---
	4/18/2012	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	12.94
		300	2.5	18.8	1.8	3.7	75.7	>100	-1.4	0.5	---
		600	5.0	20.3	1.9	2.3	75.5	>100	-1.4	0.5	---
		900	7.5	20.5	2.0	2.1	75.4	>100	-1.4	0.5	---
	7/13/2012	0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	12.94
		300	2.5	16.0	5.4	3.2	75.4	>100	-1.4	0.5	---
		600	5.0	17.7	6.0	0.8	75.5	>100	-1.4	0.5	---
		900	7.5	17.8	6.2	0.0	76.0	>100	-1.4	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	14.10
		900	7.5	18.3	4.6	0.0	77.1	>100	0.0	0.5	---
	2/1/2013	0	0.0	0.0	0.2	21.2	78.6	0	0.0	0.5	14.68
		900	7.5	18.5	5.0	0.1	76.4	>100	0.0	0.5	---
	6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	15.01
		900	7.5	20.8	5.4	0.8	73.0	>100	0.0	0.5	---
	9/9/2013	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	14.47
		900	7.5	19.1	6.5	0.5	73.9	>100	0.0	0.5	---
	11/25/2013	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	14.65
		900	7.5	17.1	6.0	0.2	76.7	>100	0.0	0.5	---
	2/4/2014	0	0.0	0.0	0.1	21.2	78.7	0	0.0	0.5	15.20
		900	7.5	14.2	5.6	0.0	80.2	>100	0.0	0.5	---
	5/19/2014	0	0.0	0.0	0.0	21.2	78.8	0	0.0	0.5	nm
		900	7.5	0.0	2.0	17.3	80.7	0	0.0	0.5	---
9/30/2014	0	0.0	0.0	nm	21.2	78.8	0	nm	0.5	14.97	
	900	7.5	0.1	nm	0.0	99.9	2	nm	0.5	---	
12/22/2014	0	0.0	0.1	nm	20.8	79.1	1	nm	0.5	13.93	
	900	7.5	0.0	nm	21.0	79.0	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	20.8	79.2	1	nm	0.5	13.90	
	900	7.5	0.0	nm	21.0	79.0	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	20.9	79.1	0	0.0	0.5	14.23	
	900	7.5	0.1	nm	18.7	81.2	2	-0.5	0.5	---	



Table 6

Results of Detailed Monitoring of Remediation at LFG-3  
Oyster Point Landfill  
South San Francisco, CA

Monitoring Date	Percent Methane		
	LFG-3	PVT-2	PVW-1
9/13/2007	69	88	nm
9/14/2007	68	66	nm
9/21/2007	69	66	nm
9/25/2007	67	66	nm
9/28/2007	58	55	nm
10/3/2007	42	54	nm
10/12/2007	35	46	nm
10/19/2007	27	66	nm
10/29/2007	18	64	nm
11/2/2007	17	67	10
11/11/2007	15	54	11
11/21/2007	12	53	11
11/30/2007	7	69	7
12/13/2007	7	80	1
12/27/2007	4.0	66	1.0
1/7/2008 <sup>(1)</sup>	3.0	0.0	0.0
1/22/2008	2.0	55	0.0
2/14/2008	0.5	63	0.0
4/17/2008	7.2	64	0.0
5/12/2008	2.6	55	0.0
6/11/2008	0.8	50	0.0
7/15/2008	0.2	52	0.1
7/17/2008	0.0	41	0.0
8/13/2008	0.0	51	0.1
9/8/2008	0.0	54	0.0
10/29/2008	0.0	67	0.0
1/9/2009	0.0	78	0.0
4/21/2009	0.3	63	0.0
7/23/2009	0.4	45	0.0
10/22/2009	0.0	70	0.0
2/3/2010	0.0	76	0.0
5/21/2010	6.0	29	0.2
7/21/2010	2.2	62	0.0
10/1/2010	2.2	57	0.0
1/21/2011	0.0	71	0.0
4/21/2011	0.0	0.9	0.0
7/8/2011	0.1	76.7	0.0
10/26/2011	0.0	50.9	0.0
1/13/2012	0.0	58.2	0.0
4/18/2012	0.0	58.7	0.0
7/13/2012	0.0	43.2	0.0
10/29/2012	0.0	52.5	0.0
2/1/2013	0.0	70.7	0.0
6/4/2013	14.7	63.7	0.0
9/9/2013	1.7	69.9	0.1
11/25/2013	0.0	65.8	0.0
2/4/2014	0.0	68.7	0.0
5/19/2014	0.0	69.5	0.0
9/30/2014	0.1	52	0.0
12/23/2014	0.1	62.3	0.0
3/11/2015	0.0	61	0.0
6/23/2015	0.0	62.7	0.0

Notes: nm Not Measured

# FIGURES

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CSS ENVIRONMENTAL SERVICES, INC.

**SITE LOCATION MAP**

Former Oyster Point Landfill  
South San Francisco, CA

JOB NO.  
**6551**

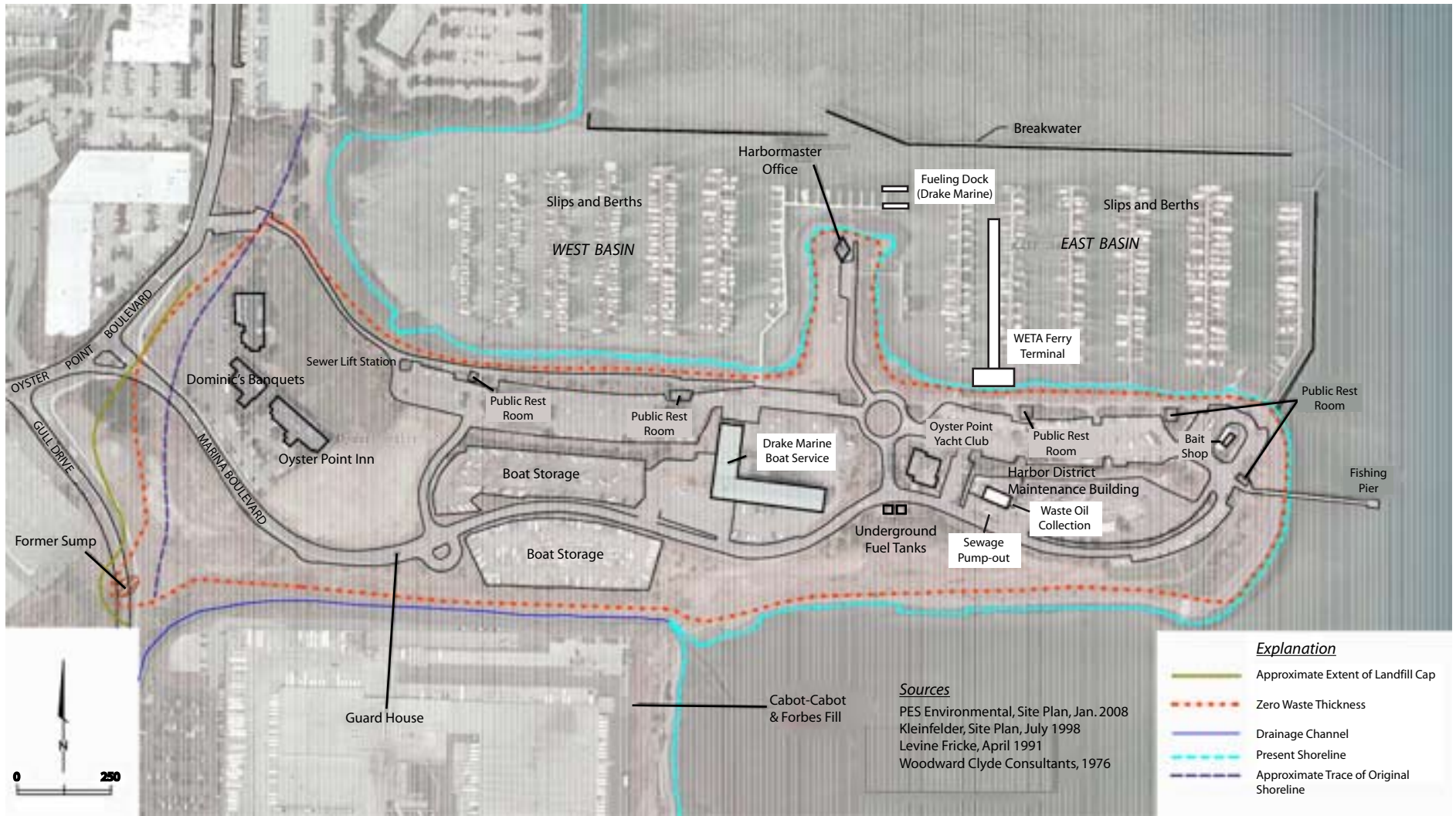
DATE  
**Oct '08**

BY  
**AS**

REVISED

FIGURE

**1**



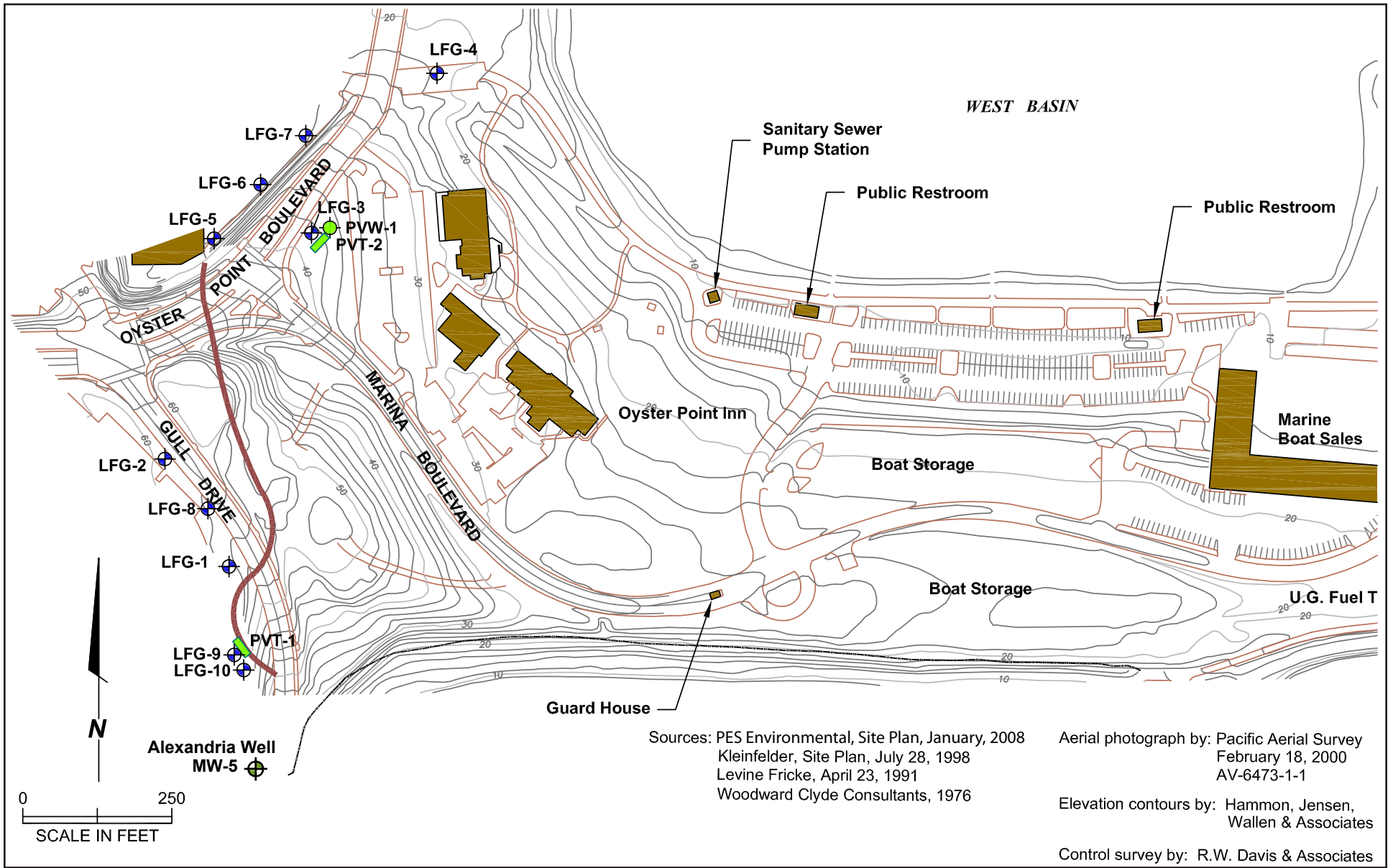
CSS ENVIRONMENTAL SERVICES, INC.

**SITE PLAN**  
Former Oyster Point Landfill  
South San Francisco, CA

JOB NO. <b>6551</b>	DATE <b>Oct '08</b>	BY <b>AS</b>	REVISED <b>March '13</b>
------------------------	------------------------	-----------------	-----------------------------

FIGURE

**2**

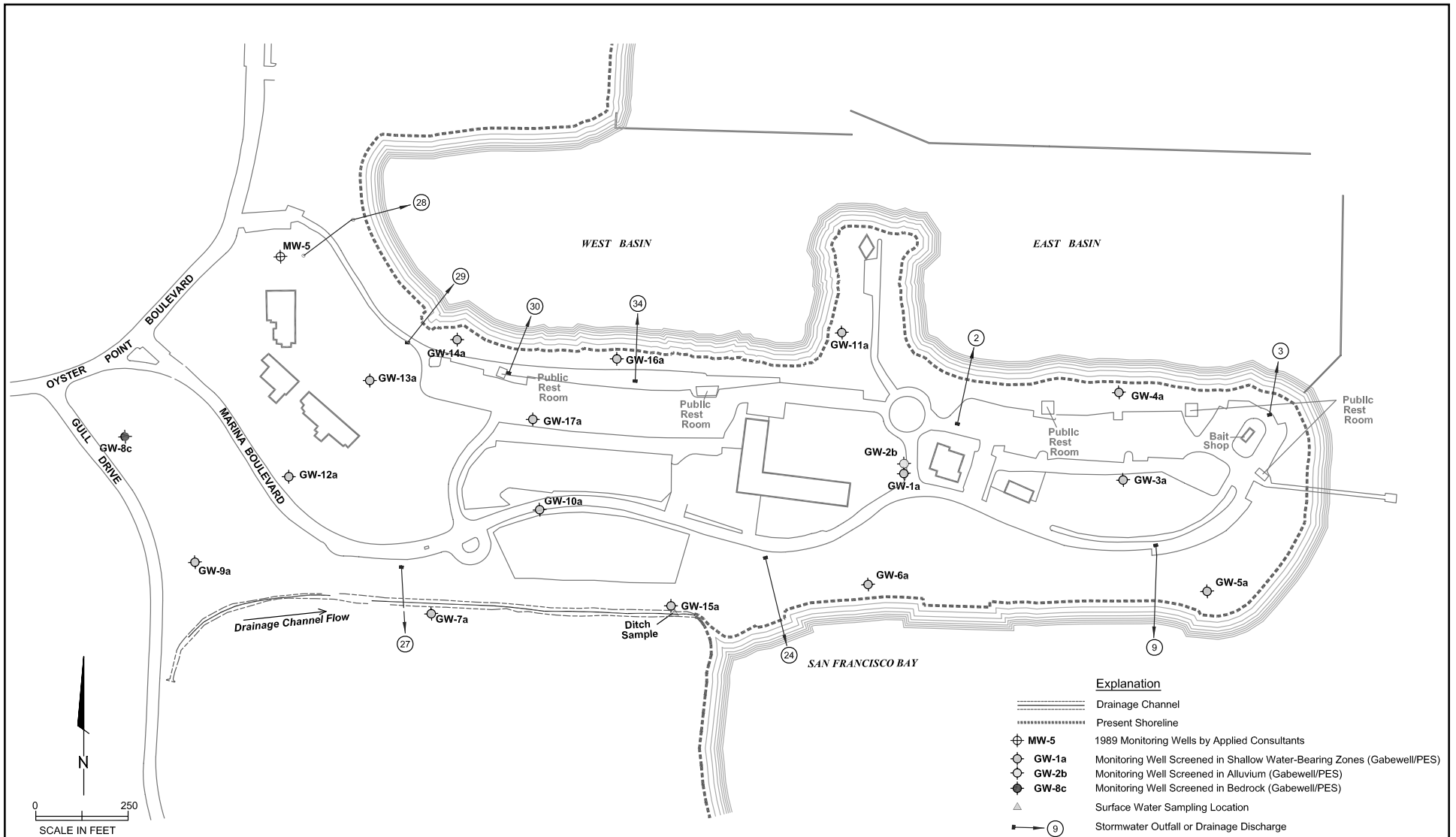


Explanation	
	Location of Landfill Gas Perimeter Monitoring Well
	Passive Landfill Gas Venting Trench
	Passive Landfill Gas Venting Well
	Approximate Extent of Landfill Cap

  
**CSS ENVIRONMENTAL SERVICES, INC.**

LANDFILL GAS MONITORING LOCATIONS			
Former Oyster Point Landfill South San Francisco, CA			
JOB NO. <b>6551</b>	DATE <b>Oct '08</b>	BY <b>AS</b>	REVISED <b>Jan '12</b>

FIGURE  
**3**



SOURCES: PES Environmental, Site Plan, January, 2008



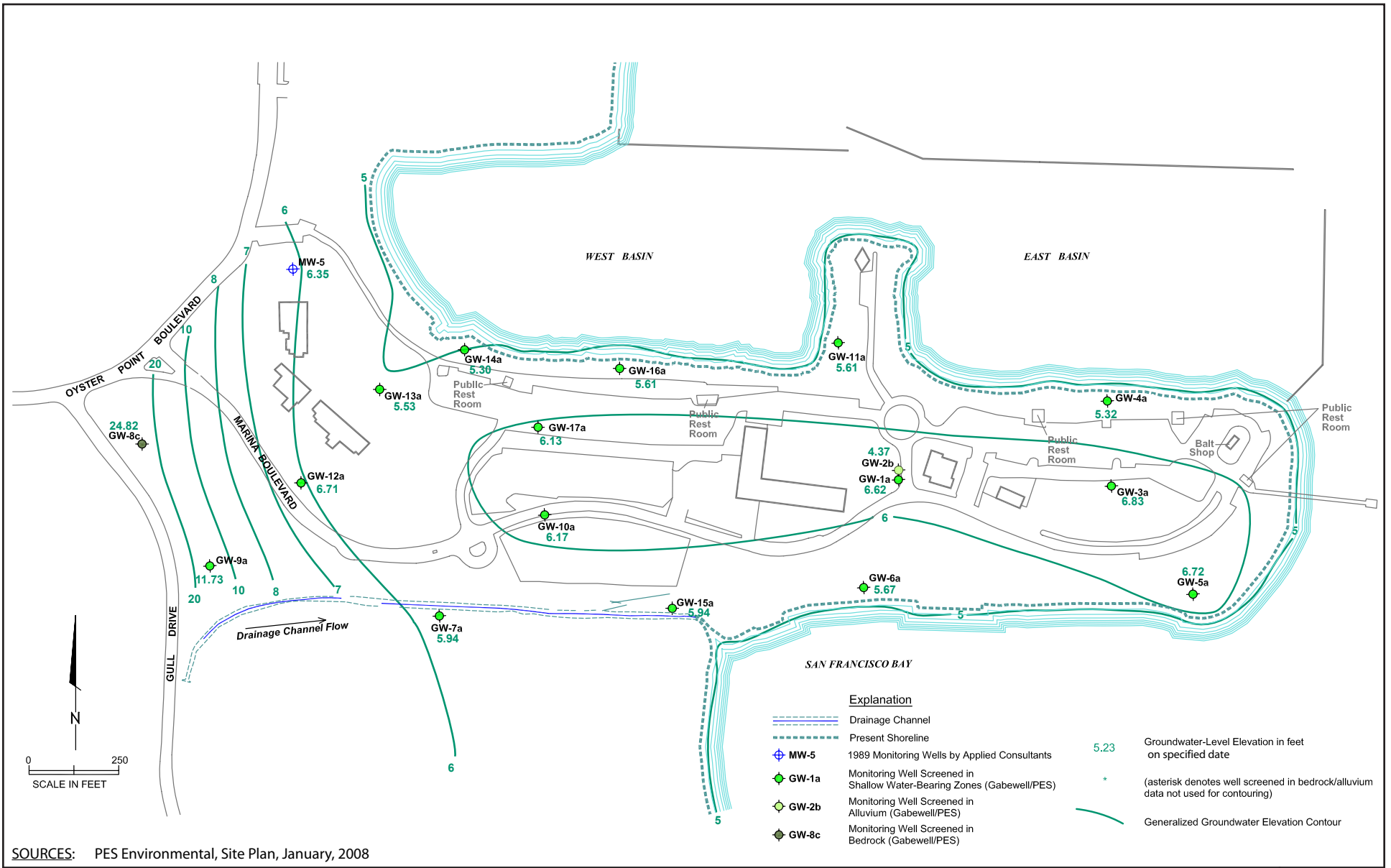
CSS ENVIRONMENTAL SERVICES, INC.

**Monitoring Well and Point of Compliance  
Sampling Locations**  
Former Oyster Point Landfill  
South San Francisco, CA

JOB NO.	DATE	BY	REVISED
6551	Oct '08	AS	

FIGURE

4



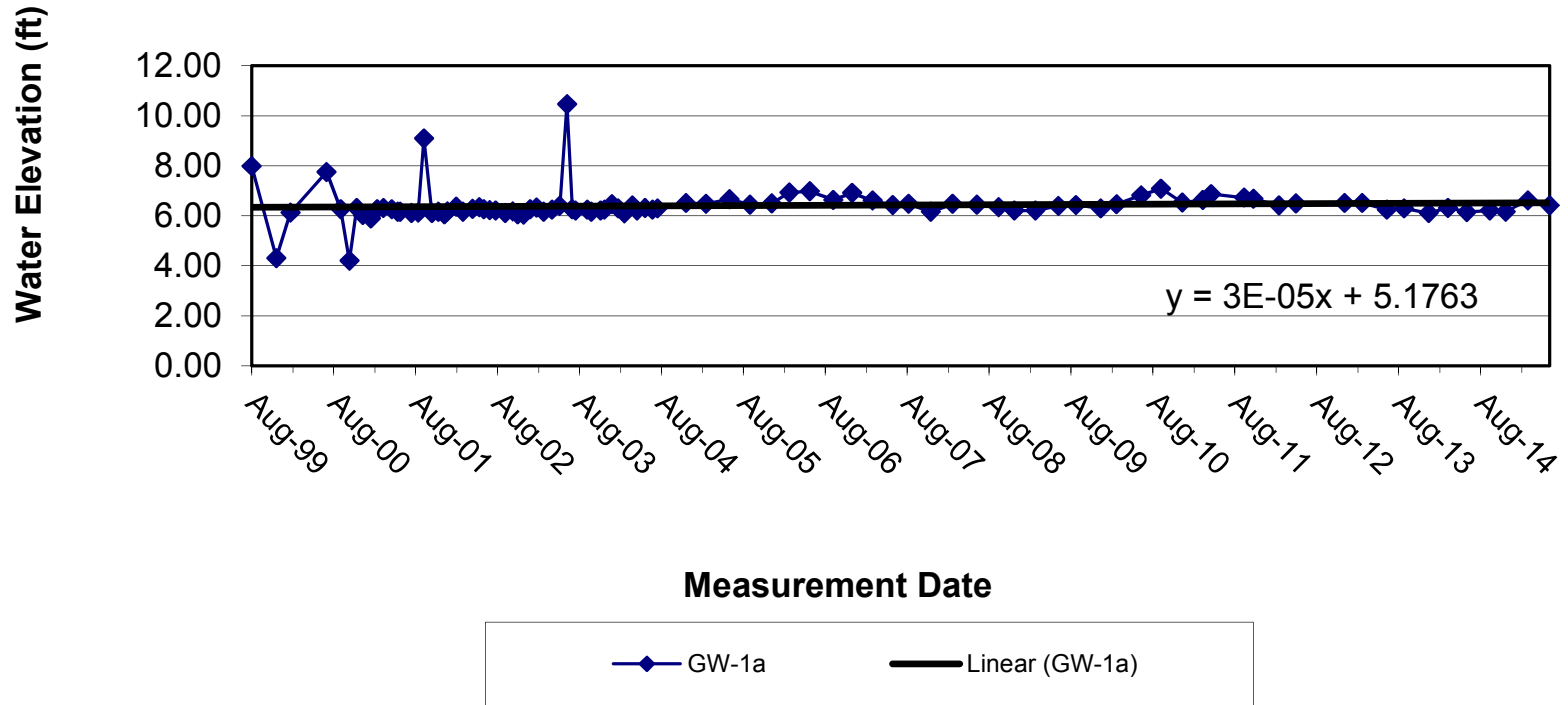
  
**CSS ENVIRONMENTAL SERVICES, INC.**

**Potentiometric Surface Map March 17, 2015**  
 Former Oyster Point Landfill  
 South San Francisco, CA

JOB NO.	DATE	BY	REVISED
<b>6551</b>	<b>Mar '15</b>	<b>AS</b>	

FIGURE  
**5**

Figure 6a. Hydrograph for Well GW-1a





### Figure 6b. Hydrograph for Well GW-2b

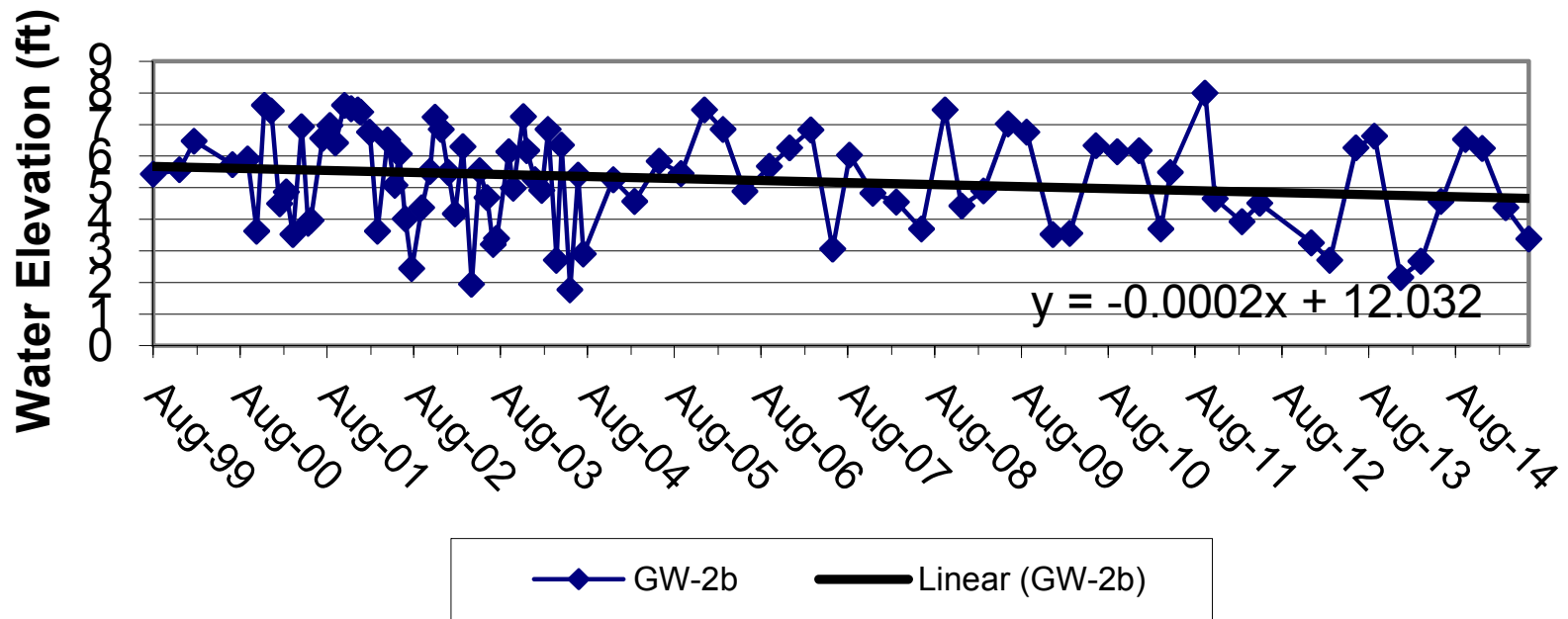
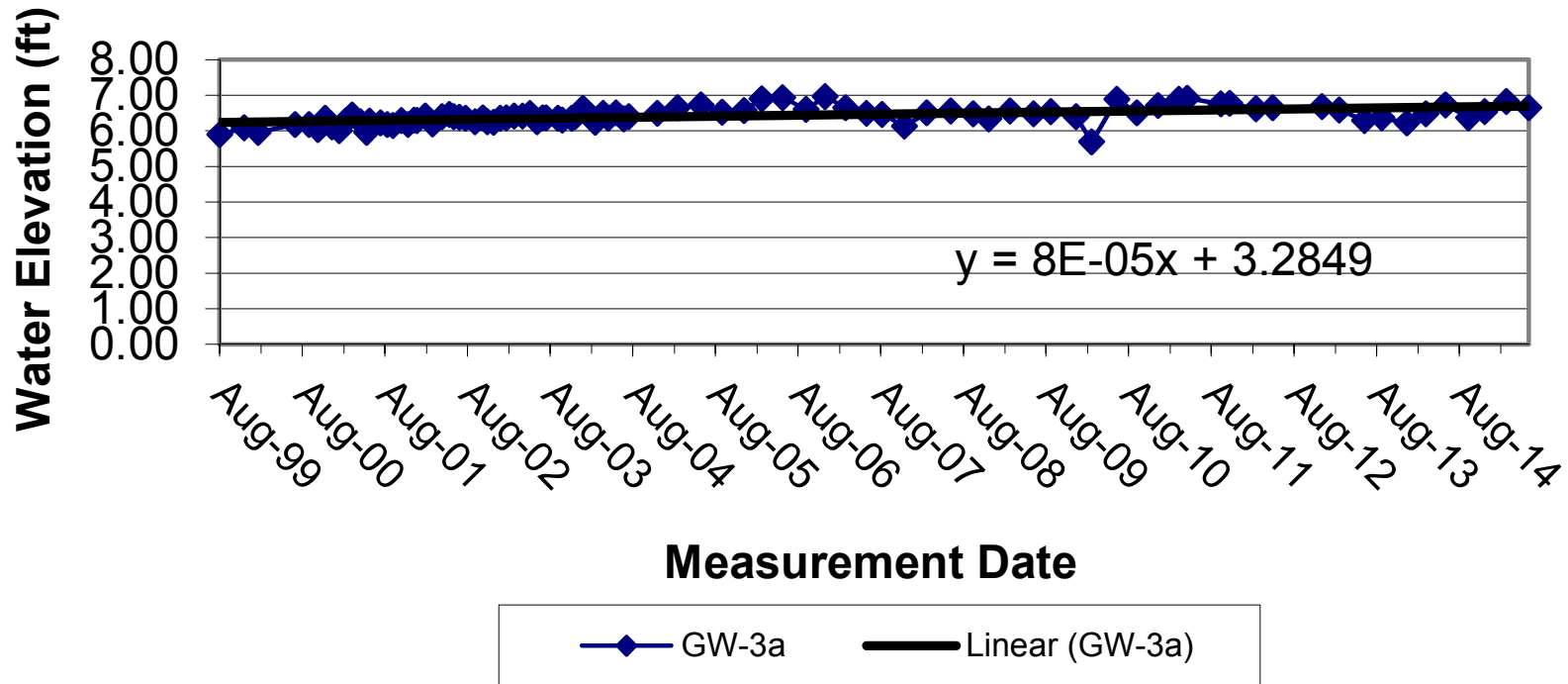
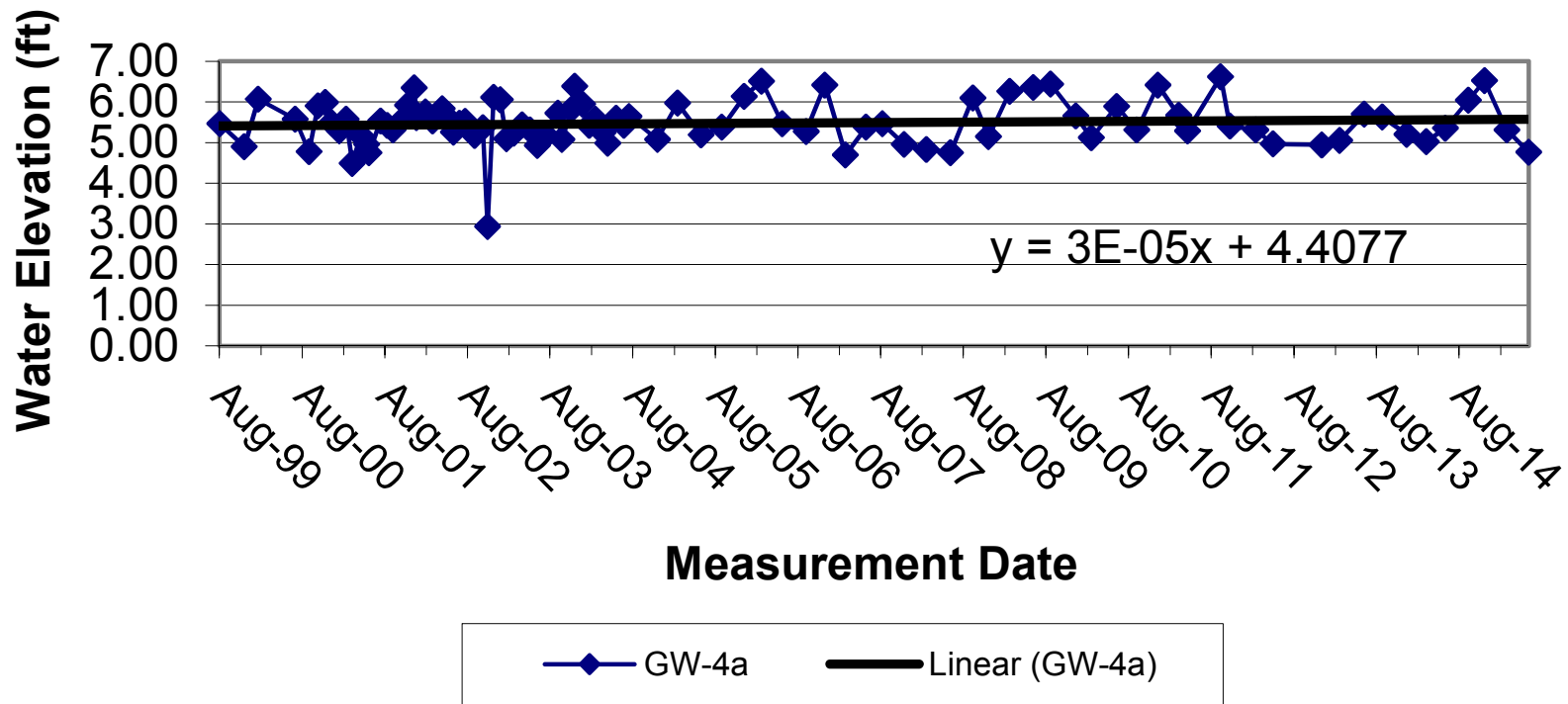


Figure 6c. Hydrograph for Well GW-3a



### Figure 6d. Hydrograph for Well GW-4a



### Figure 6e. Hydrograph for Well GW-5a

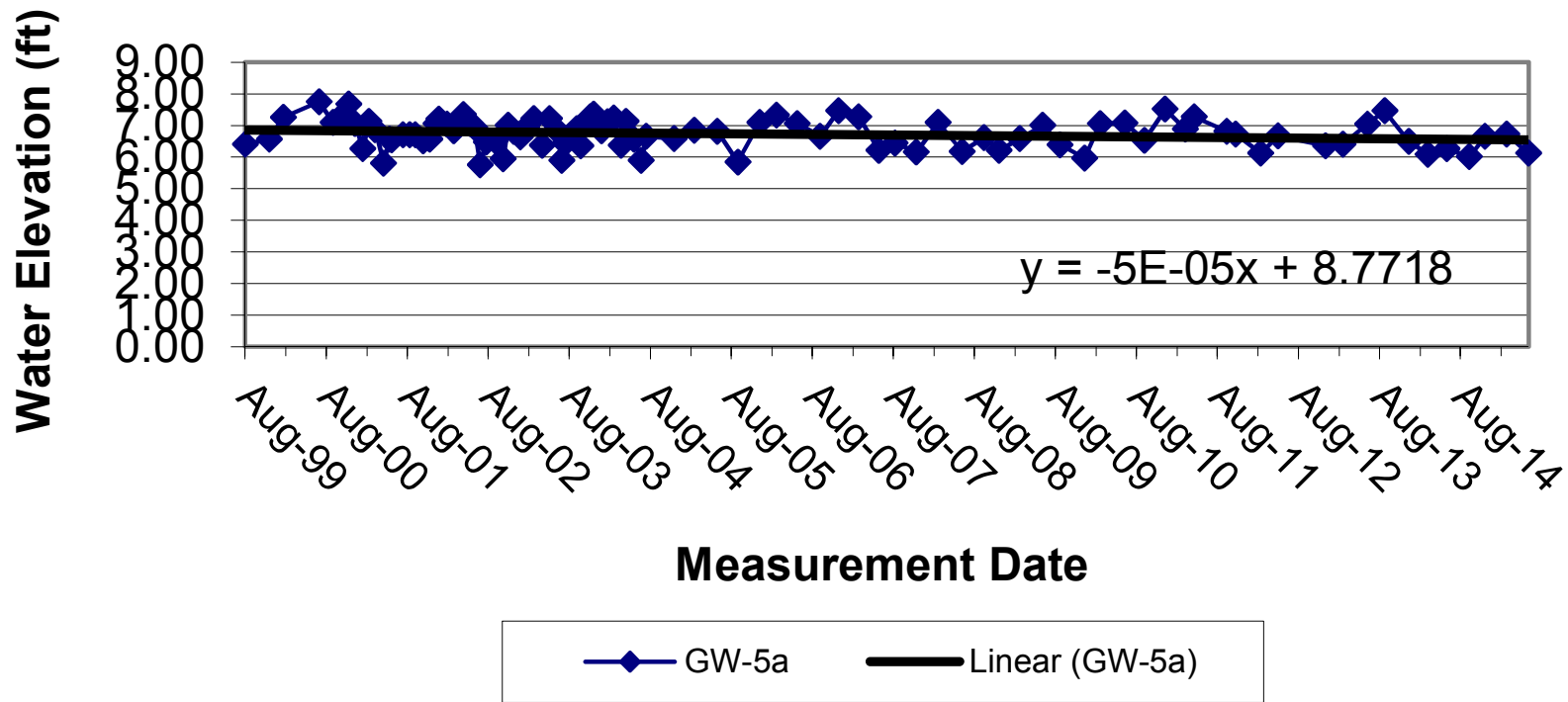
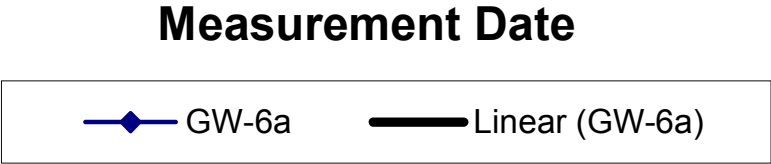
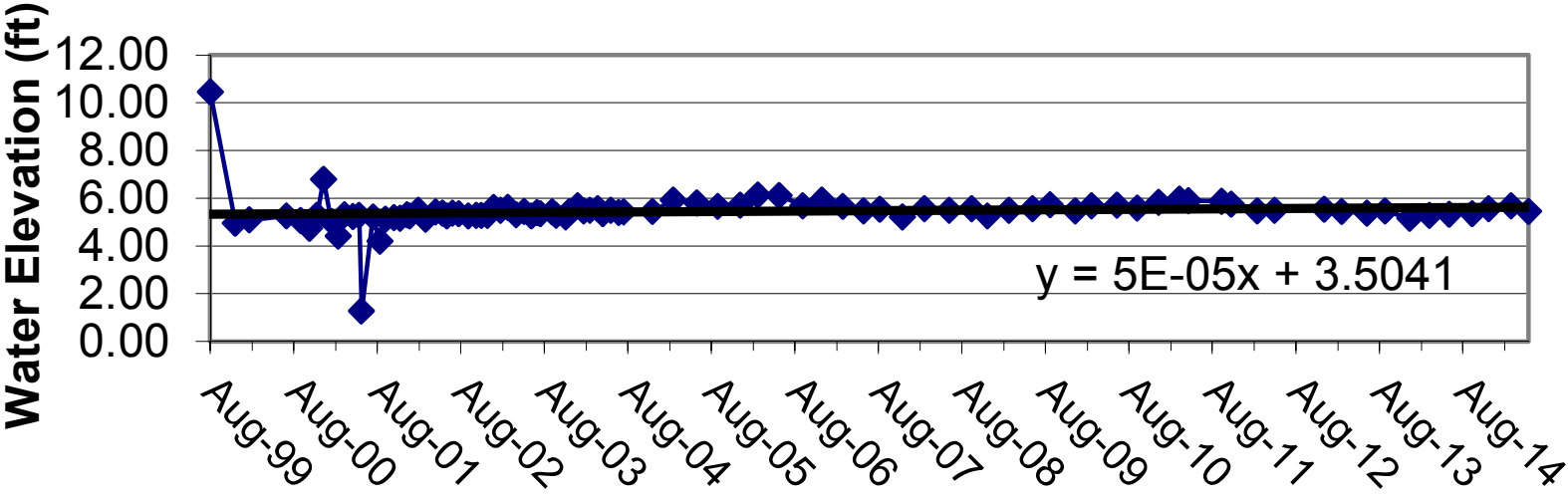
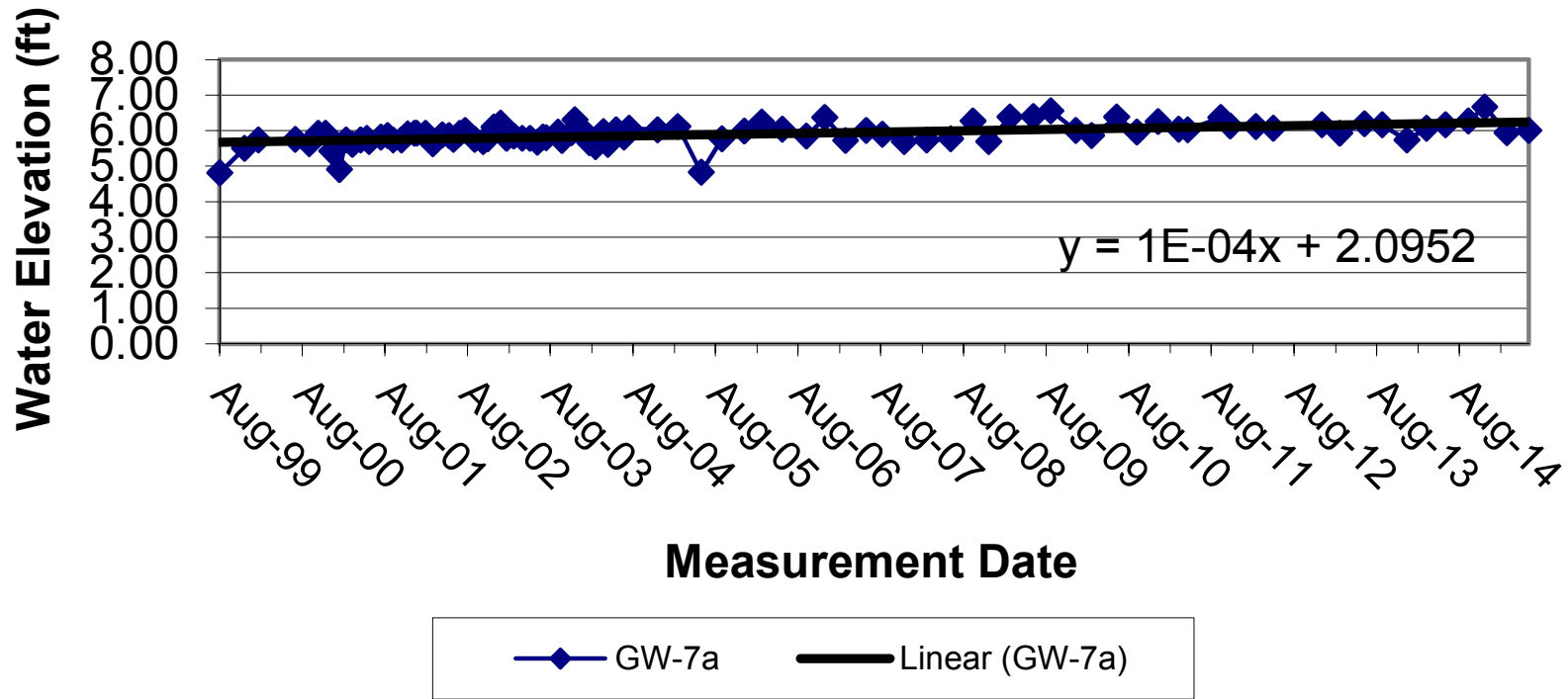


Figure 6f. Hydrograph for Well GW-6a



### Figure 6g. Hydrograph for Well GW-7a



### Figure 6h. Hydrograph for Well GW-8c

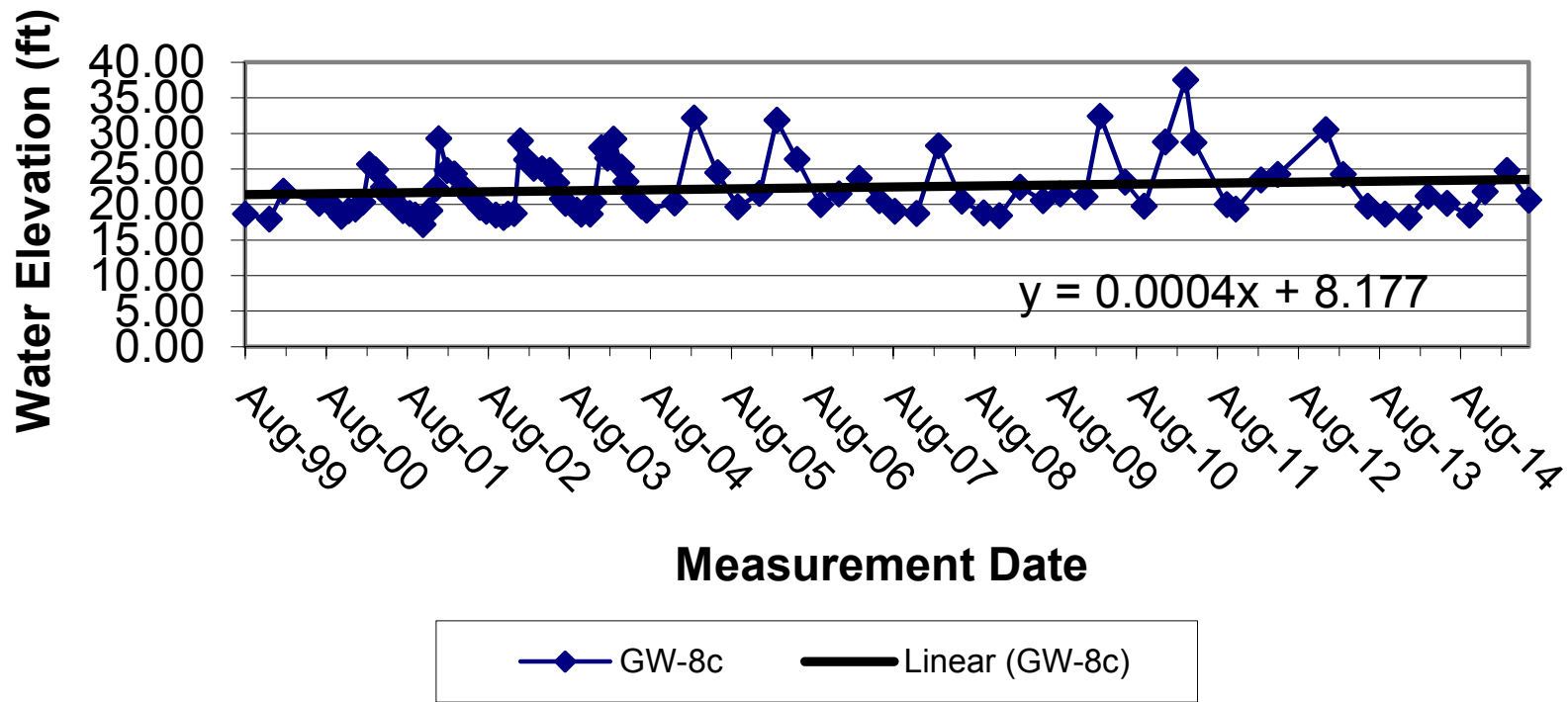
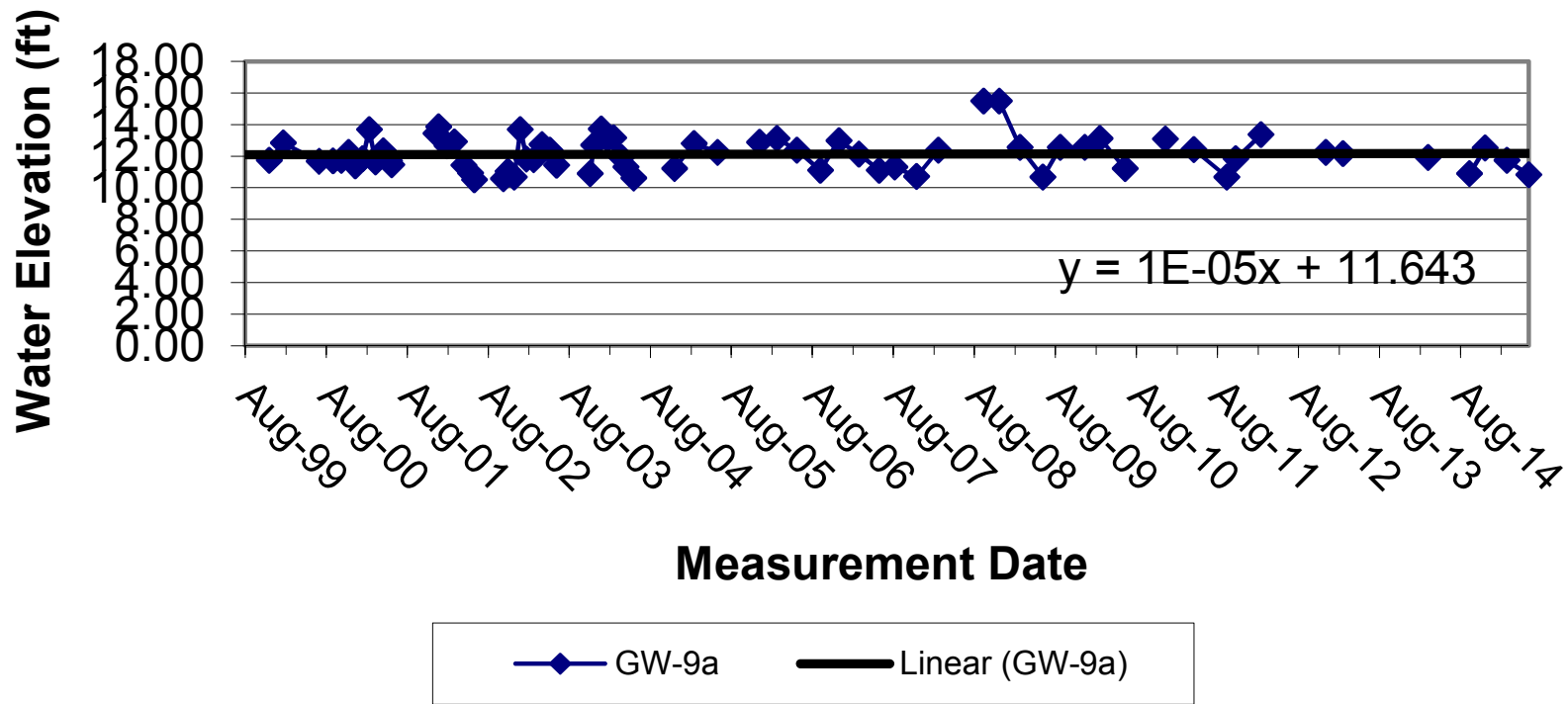
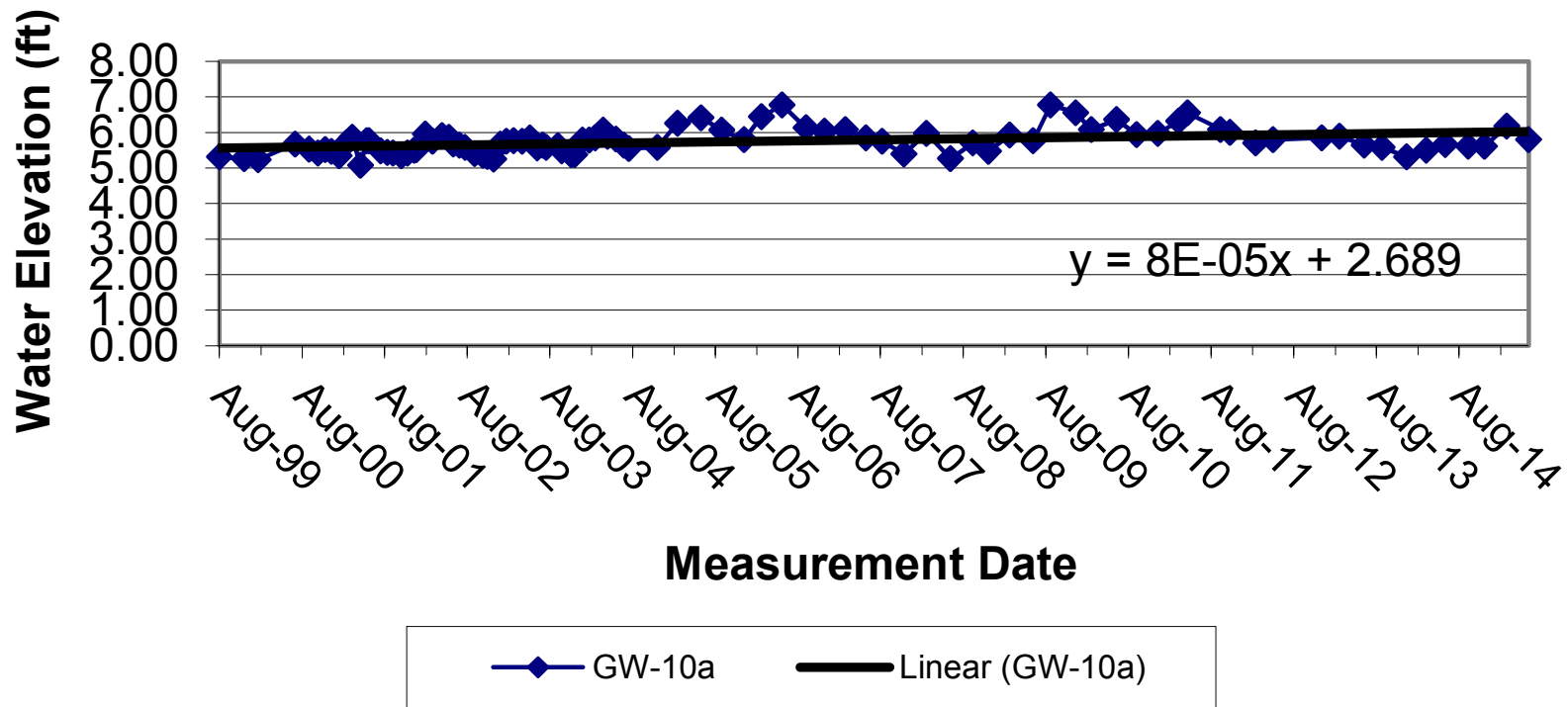


Figure 6i. Hydrograph for Well GW-9a

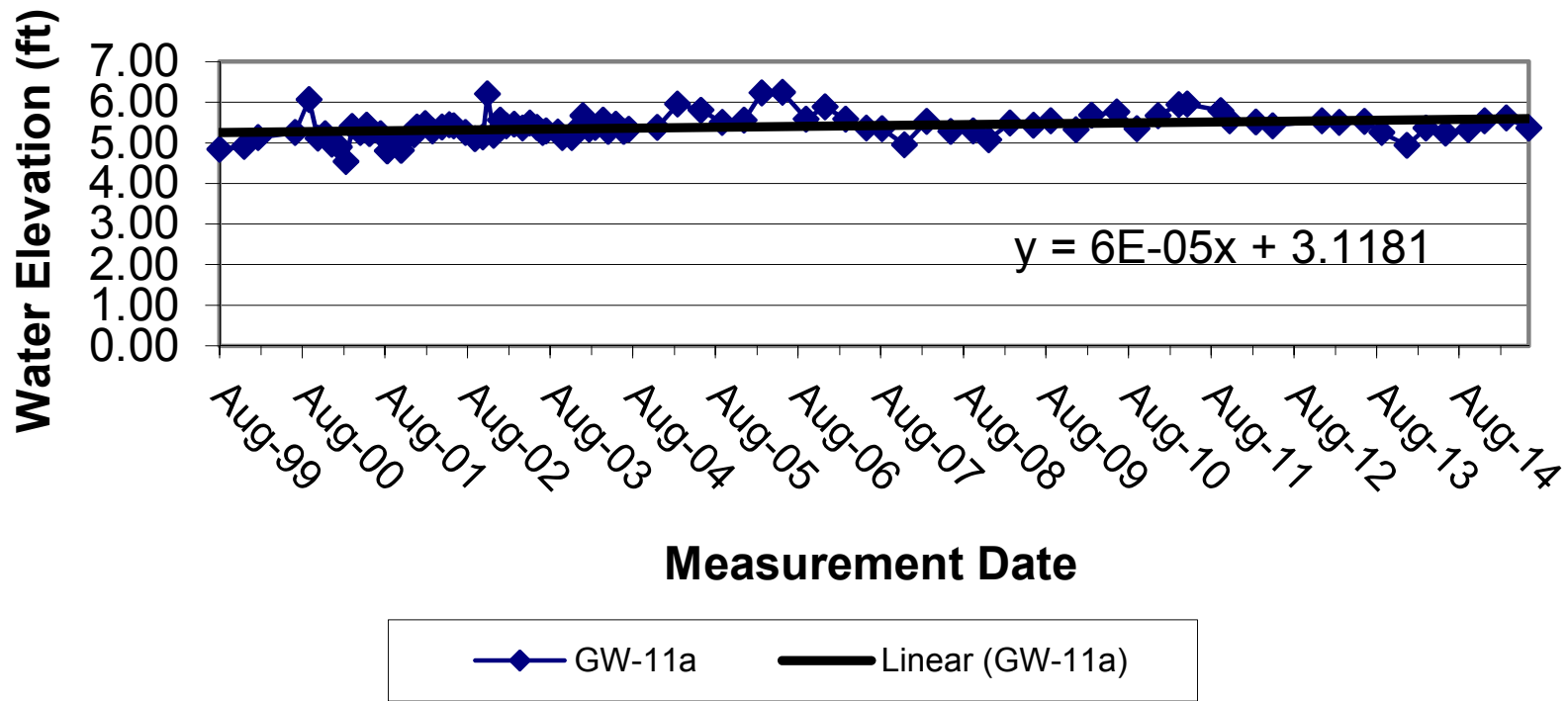




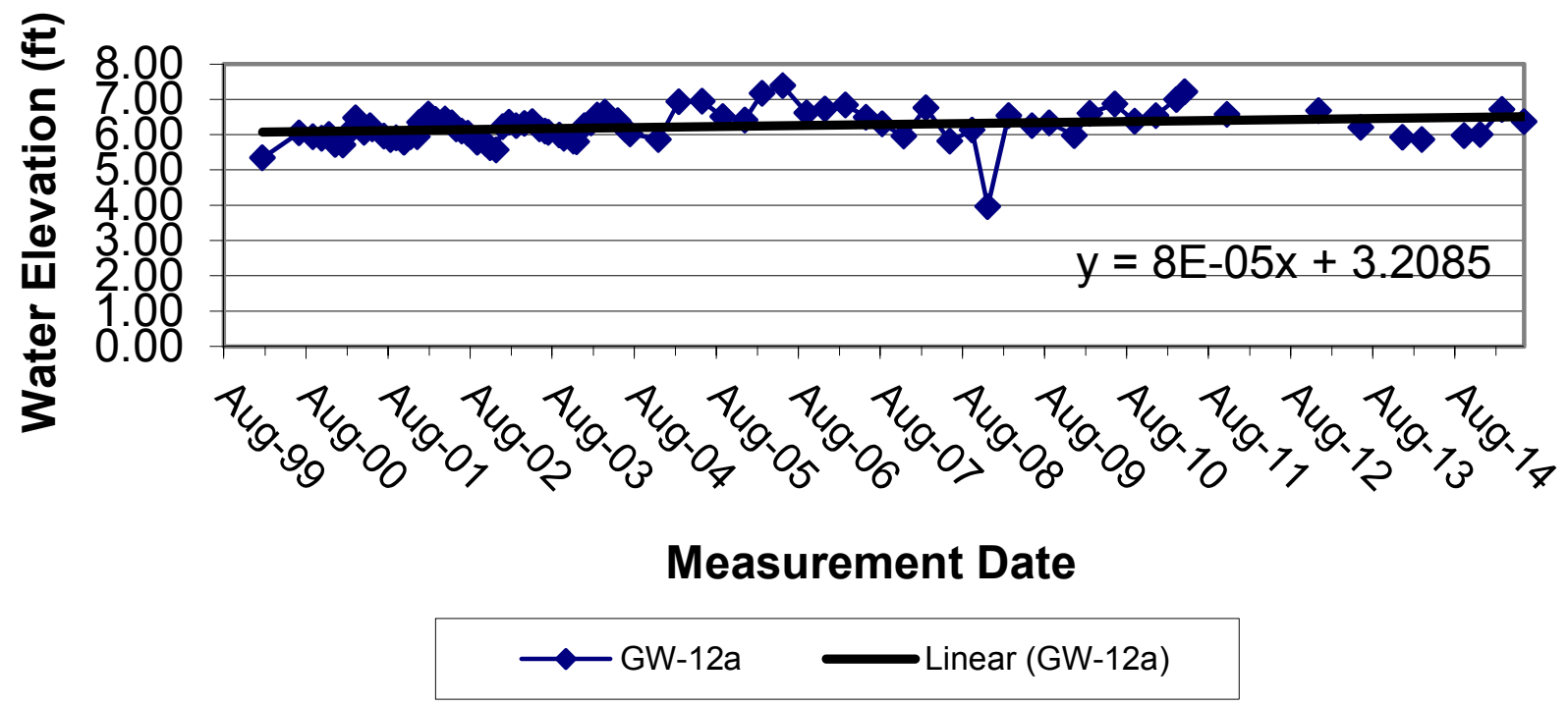
### Figure 6j. Hydrograph for Well GW-10a



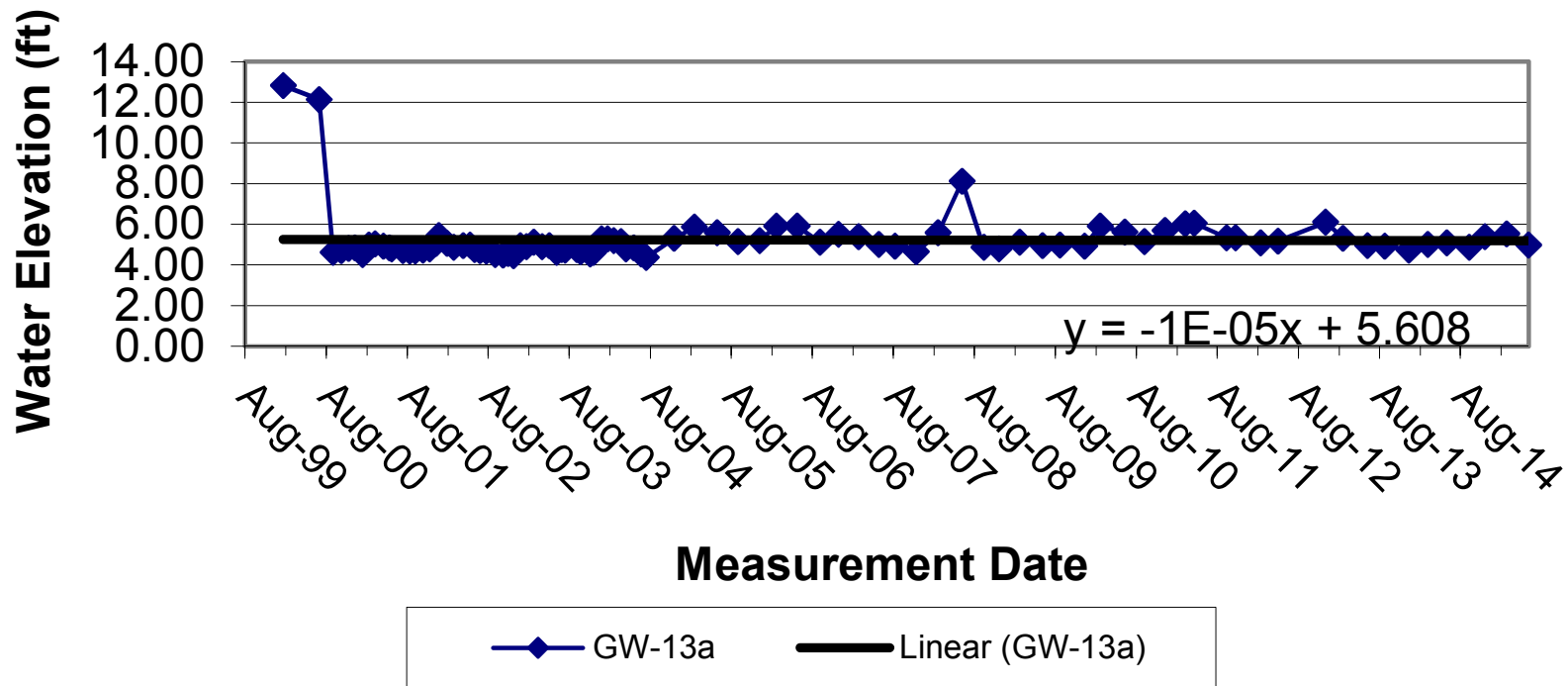
### Figure 6k. Hydrograph for Well GW-11a



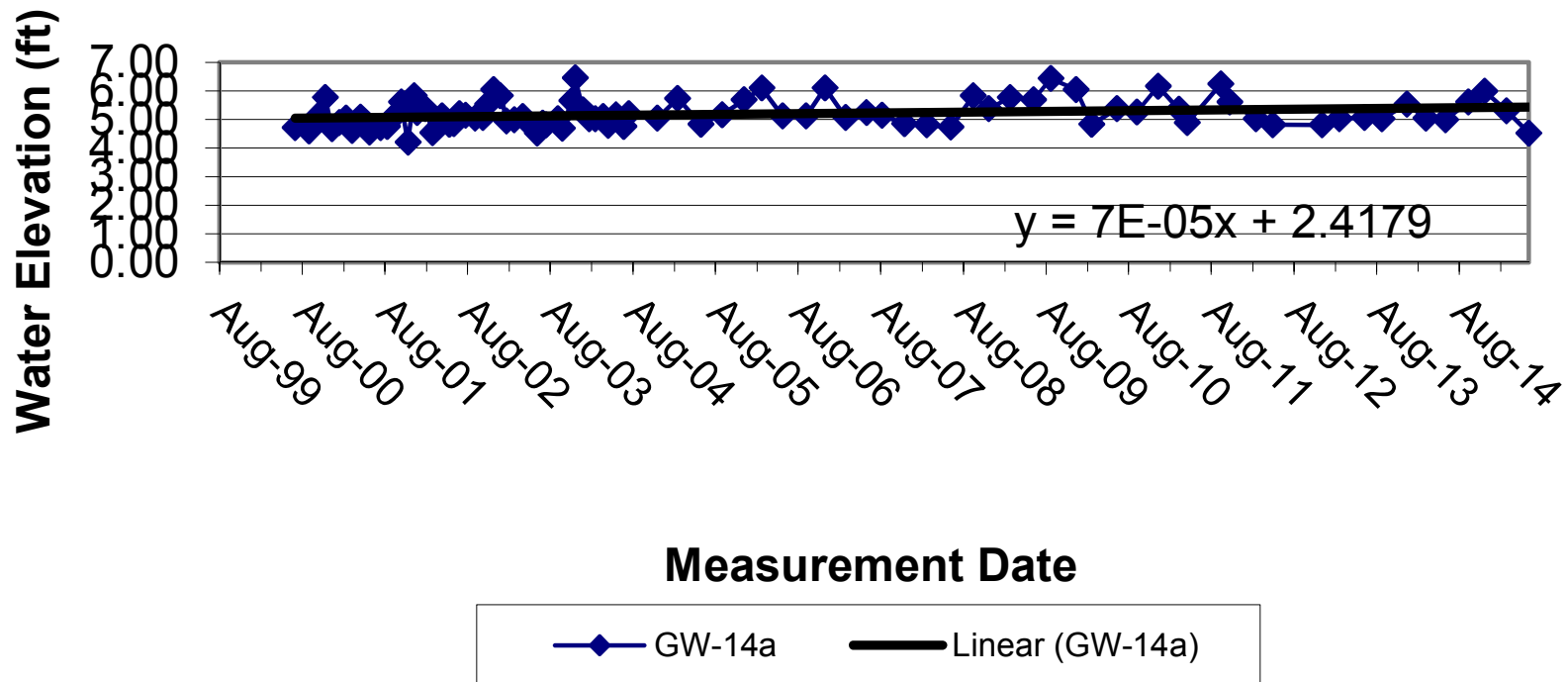
### Figure 6I. Hydrograph for Well GW-12a



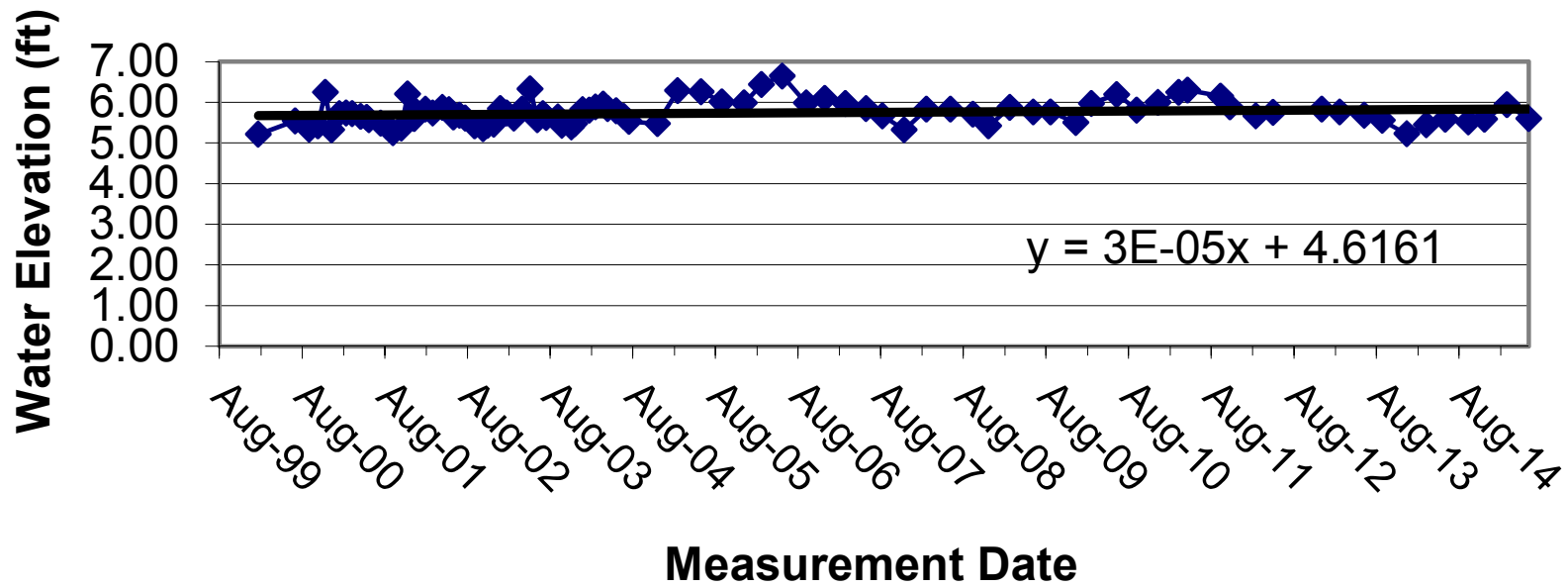
### Figure 6m. Hydrograph for Well GW-13a



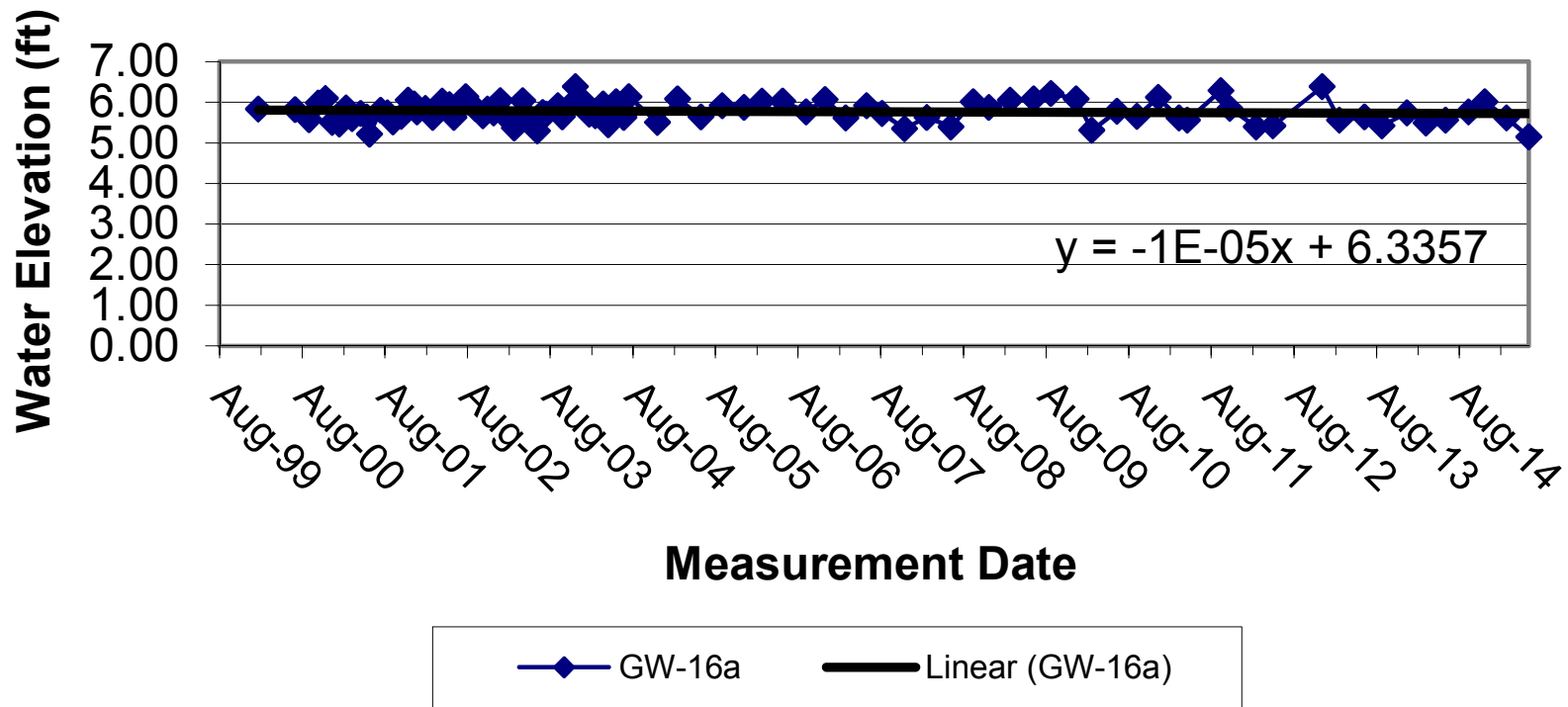
### Figure 6n. Hydrograph for Well GW-14a



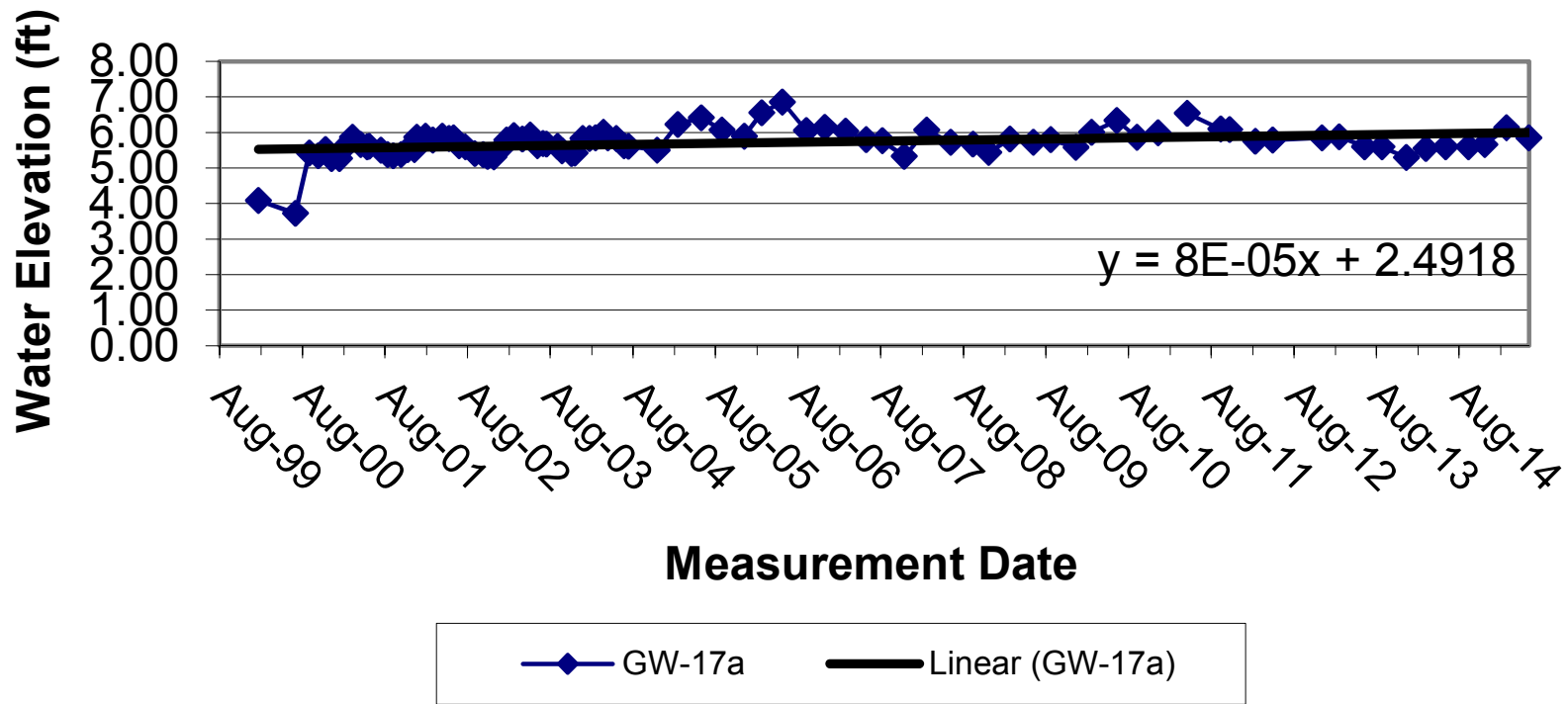
### Figure 6o. Hydrograph for Well GW-15a



### Figure 6p. Hydrograph for Well GW-16a

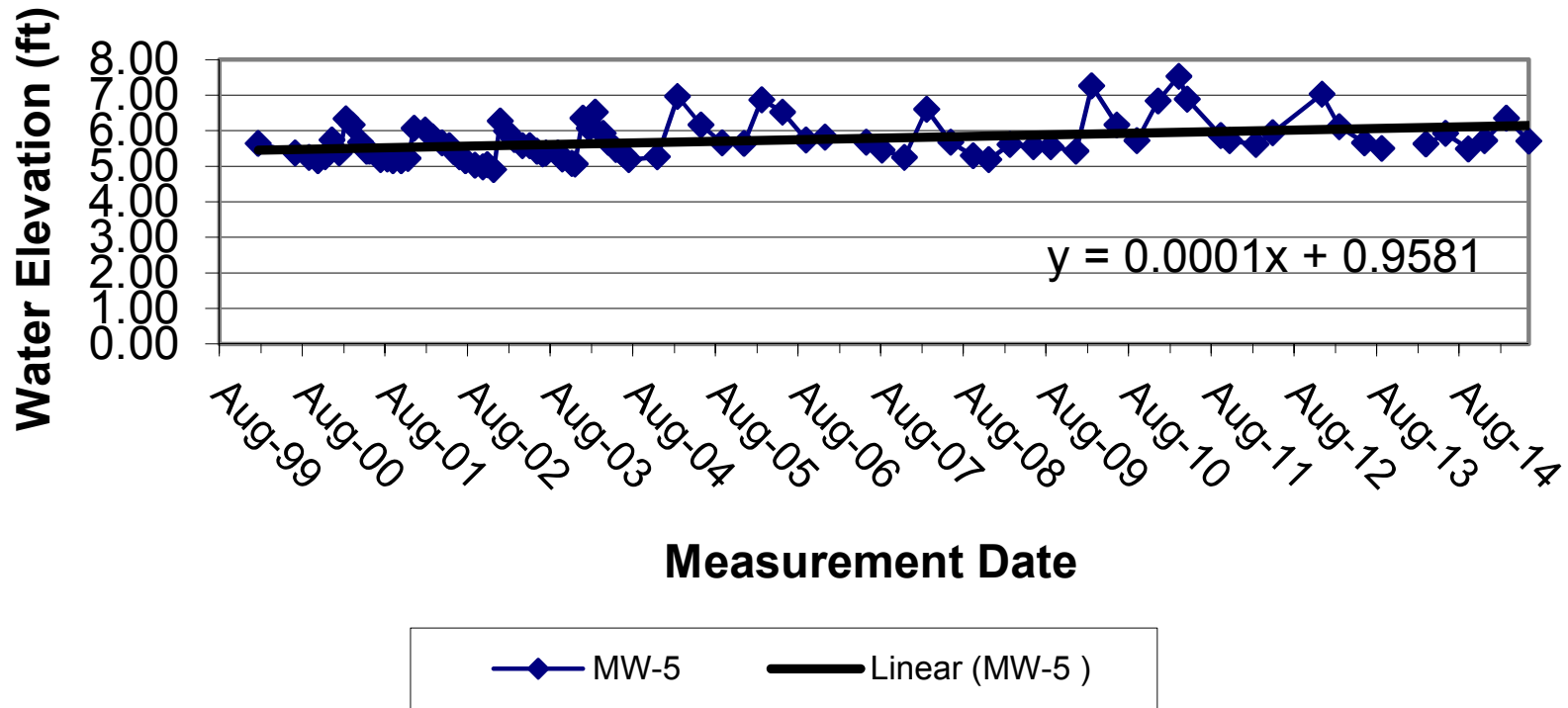


### Figure 6q. Hydrograph for Well GW-17a





### Figure 6r. Hydrograph for Well MW-5



# APPENDIX A

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

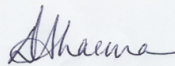
## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Pleasanton  
1220 Quarry Lane  
Pleasanton, CA 94566  
Tel: (925)484-1919

TestAmerica Job ID: 720-65644-1  
Client Project/Site: Oyster Pt. Landfill-6551

For:  
CSS Environmental Services Inc  
100 Galli Drive  
Suite 1  
Novato, California 94949

Attn: Mr. Aaron Stessman



Authorized for release by:  
6/30/2015 3:08:14 PM

Dimple Sharma, Senior Project Manager  
(925)484-1919  
[dimple.sharma@testamericainc.com](mailto:dimple.sharma@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Definitions/Glossary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

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**Job ID: 720-65644-1**

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**Laboratory: TestAmerica Pleasanton**

## Narrative

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### Job Narrative 720-65644-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/24/2015 3:49 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

#### GC/MS VOA

Method 8260B: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory : GW-2B (720-65644-1), GW-5A (720-65644-3), GW-6A (720-65644-4), GW-11A (720-65644-6), GW-15A (720-65644-8), GW-16A (720-65644-9), (720-65593-B-1), (720-65593-B-1 MS) and (720-65593-B-1 MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Client Sample ID: GW-2B

Lab Sample ID: 720-65644-1

No Detections.

## Client Sample ID: GW-4A

Lab Sample ID: 720-65644-2

No Detections.

## Client Sample ID: GW-5A

Lab Sample ID: 720-65644-3

No Detections.

## Client Sample ID: GW-6A

Lab Sample ID: 720-65644-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	30		1.0		ug/L	2		8260B	Total/NA
Ethylbenzene	78		1.0		ug/L	2		8260B	Total/NA
Chlorobenzene	62		1.0		ug/L	2		8260B	Total/NA
Xylenes, Total	29		2.0		ug/L	2		8260B	Total/NA
Naphthalene	4.7		2.0		ug/L	2		8260B	Total/NA

## Client Sample ID: GW-7A

Lab Sample ID: 720-65644-5

No Detections.

## Client Sample ID: GW-11A

Lab Sample ID: 720-65644-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.4		0.50		ug/L	1		8260B	Total/NA
Chlorobenzene	40		0.50		ug/L	1		8260B	Total/NA
Xylenes, Total	1.0		1.0		ug/L	1		8260B	Total/NA
Naphthalene	2.6		1.0		ug/L	1		8260B	Total/NA

## Client Sample ID: GW-14A

Lab Sample ID: 720-65644-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	14		0.50		ug/L	1		8260B	Total/NA

## Client Sample ID: GW-15A

Lab Sample ID: 720-65644-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		0.50		ug/L	1		8260B	Total/NA
Chlorobenzene	26		0.50		ug/L	1		8260B	Total/NA

## Client Sample ID: GW-16A

Lab Sample ID: 720-65644-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.50		ug/L	1		8260B	Total/NA
Chlorobenzene	6.4		0.50		ug/L	1		8260B	Total/NA

## Client Sample ID: TRIP BLANK

Lab Sample ID: 720-65644-10

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

# Detection Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: EQUIP BLANK**

**Lab Sample ID: 720-65644-11**

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton



# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-2B**

**Date Collected: 06/22/15 12:11**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-1**

**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 19:57	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 19:57	1
Chlorobenzene	ND		0.50		ug/L			06/25/15 19:57	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 19:57	1
Naphthalene	ND		1.0		ug/L			06/25/15 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130		06/25/15 19:57	1
1,2-Dichloroethane-d4 (Surr)	100		72 - 130		06/25/15 19:57	1
Toluene-d8 (Surr)	102		70 - 130		06/25/15 19:57	1



# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-4A**

**Date Collected: 06/23/15 13:40**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-2**

**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 20:30	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 20:30	1
Chlorobenzene	ND		0.50		ug/L			06/25/15 20:30	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 20:30	1
Naphthalene	ND		1.0		ug/L			06/25/15 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		67 - 130		06/25/15 20:30	1
1,2-Dichloroethane-d4 (Surr)	101		72 - 130		06/25/15 20:30	1
Toluene-d8 (Surr)	103		70 - 130		06/25/15 20:30	1

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-5A**

**Date Collected: 06/23/15 14:10**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-3**

**Matrix: Water**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 21:03	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 21:03	1
Chlorobenzene	ND		0.50		ug/L			06/25/15 21:03	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 21:03	1
Naphthalene	ND		1.0		ug/L			06/25/15 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130					06/25/15 21:03	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 130					06/25/15 21:03	1
Toluene-d8 (Surr)	104		70 - 130					06/25/15 21:03	1

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-6A**

**Date Collected: 06/22/15 13:48**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-4**

**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	30		1.0		ug/L			06/29/15 16:29	2
Ethylbenzene	78		1.0		ug/L			06/29/15 16:29	2
Chlorobenzene	62		1.0		ug/L			06/29/15 16:29	2
Xylenes, Total	29		2.0		ug/L			06/29/15 16:29	2
Naphthalene	4.7		2.0		ug/L			06/29/15 16:29	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130					06/29/15 16:29	2
1,2-Dichloroethane-d4 (Surr)	91		72 - 130					06/29/15 16:29	2
Toluene-d8 (Surr)	105		70 - 130					06/29/15 16:29	2

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-7A**

**Date Collected: 06/22/15 11:30**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-5**

**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 21:36	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 21:36	1
Chlorobenzene	ND		0.50		ug/L			06/25/15 21:36	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 21:36	1
Naphthalene	ND		1.0		ug/L			06/25/15 21:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130		06/25/15 21:36	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 130		06/25/15 21:36	1
Toluene-d8 (Surr)	103		70 - 130		06/25/15 21:36	1

# Client Sample Results

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-11A**

**Lab Sample ID: 720-65644-6**

**Date Collected: 06/22/15 15:30**

**Matrix: Water**

**Date Received: 06/24/15 15:49**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1.4</b>		0.50		ug/L			06/25/15 22:09	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 22:09	1
<b>Chlorobenzene</b>	<b>40</b>		0.50		ug/L			06/25/15 22:09	1
<b>Xylenes, Total</b>	<b>1.0</b>		1.0		ug/L			06/25/15 22:09	1
<b>Naphthalene</b>	<b>2.6</b>		1.0		ug/L			06/25/15 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130					06/25/15 22:09	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 130					06/25/15 22:09	1
Toluene-d8 (Surr)	104		70 - 130					06/25/15 22:09	1

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-14A**

**Date Collected: 06/23/15 11:35**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-7**

**Matrix: Water**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 22:43	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 22:43	1
<b>Chlorobenzene</b>	<b>14</b>		0.50		ug/L			06/25/15 22:43	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 22:43	1
Naphthalene	ND		1.0		ug/L			06/25/15 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		06/25/15 22:43	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 130		06/25/15 22:43	1
Toluene-d8 (Surr)	101		70 - 130		06/25/15 22:43	1



# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-15A**

**Lab Sample ID: 720-65644-8**

**Date Collected: 06/22/15 12:10**

**Matrix: Water**

**Date Received: 06/24/15 15:49**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1.8</b>		0.50		ug/L			06/25/15 23:16	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 23:16	1
<b>Chlorobenzene</b>	<b>26</b>		0.50		ug/L			06/25/15 23:16	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 23:16	1
Naphthalene	ND		1.0		ug/L			06/25/15 23:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130					06/25/15 23:16	1
1,2-Dichloroethane-d4 (Surr)	101		72 - 130					06/25/15 23:16	1
Toluene-d8 (Surr)	102		70 - 130					06/25/15 23:16	1



# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-16A**

**Lab Sample ID: 720-65644-9**

**Date Collected: 06/23/15 11:50**

**Matrix: Water**

**Date Received: 06/24/15 15:49**

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>1.1</b>		0.50		ug/L			06/25/15 23:49	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 23:49	1
<b>Chlorobenzene</b>	<b>6.4</b>		0.50		ug/L			06/25/15 23:49	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 23:49	1
Naphthalene	ND		1.0		ug/L			06/25/15 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		06/25/15 23:49	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 130		06/25/15 23:49	1
Toluene-d8 (Surr)	102		70 - 130		06/25/15 23:49	1

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 720-65644-10**

**Date Collected: 06/22/15 09:00**

**Matrix: Water**

**Date Received: 06/24/15 15:49**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/26/15 00:22	1
Ethylbenzene	ND		0.50		ug/L			06/26/15 00:22	1
Chlorobenzene	ND		0.50		ug/L			06/26/15 00:22	1
Xylenes, Total	ND		1.0		ug/L			06/26/15 00:22	1
Naphthalene	ND		1.0		ug/L			06/26/15 00:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130		06/26/15 00:22	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 130		06/26/15 00:22	1
Toluene-d8 (Surr)	104		70 - 130		06/26/15 00:22	1

# Client Sample Results

Client: CSS Environmental Services Inc  
 Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: EQUIP BLANK**

**Lab Sample ID: 720-65644-11**

**Date Collected: 06/23/15 10:10**

**Matrix: Water**

**Date Received: 06/24/15 15:49**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/26/15 00:55	1
Ethylbenzene	ND		0.50		ug/L			06/26/15 00:55	1
Chlorobenzene	ND		0.50		ug/L			06/26/15 00:55	1
Xylenes, Total	ND		1.0		ug/L			06/26/15 00:55	1
Naphthalene	ND		1.0		ug/L			06/26/15 00:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130		06/26/15 00:55	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 130		06/26/15 00:55	1
Toluene-d8 (Surr)	103		70 - 130		06/26/15 00:55	1



# Surrogate Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (67-130)	12DCE (72-130)	TOL (70-130)
720-65644-1	GW-2B	96	100	102
720-65644-2	GW-4A	98	101	103
720-65644-3	GW-5A	96	99	104
720-65644-4	GW-6A	105	91	105
720-65644-5	GW-7A	96	98	103
720-65644-6	GW-11A	97	96	104
720-65644-7	GW-14A	97	97	101
720-65644-8	GW-15A	97	101	102
720-65644-9	GW-16A	97	99	102
720-65644-10	TRIP BLANK	97	97	104
720-65644-11	EQUIP BLANK	96	96	103
LCS 720-184248/6	Lab Control Sample	96	102	103
LCS 720-184371/6	Lab Control Sample	97	86	102
LCSD 720-184248/7	Lab Control Sample Dup	93	102	105
LCSD 720-184371/7	Lab Control Sample Dup	97	83	101
MB 720-184248/5	Method Blank	96	104	97
MB 720-184371/5	Method Blank	100	91	100

#### Surrogate Legend

BFB = 4-Bromofluorobenzene

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 720-184248/5**

**Matrix: Water**

**Analysis Batch: 184248**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/25/15 16:36	1
Ethylbenzene	ND		0.50		ug/L			06/25/15 16:36	1
Chlorobenzene	ND		0.50		ug/L			06/25/15 16:36	1
Xylenes, Total	ND		1.0		ug/L			06/25/15 16:36	1
Naphthalene	ND		1.0		ug/L			06/25/15 16:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130		06/25/15 16:36	1
1,2-Dichloroethane-d4 (Surr)	104		72 - 130		06/25/15 16:36	1
Toluene-d8 (Surr)	97		70 - 130		06/25/15 16:36	1

**Lab Sample ID: LCS 720-184248/6**

**Matrix: Water**

**Analysis Batch: 184248**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	27.2		ug/L		109	79 - 130
Ethylbenzene	25.0	25.7		ug/L		103	80 - 120
m-Xylene & p-Xylene	25.0	25.2		ug/L		101	70 - 142
Chlorobenzene	25.0	24.9		ug/L		100	70 - 130
Naphthalene	25.0	25.4		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	96		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		72 - 130
Toluene-d8 (Surr)	103		70 - 130

**Lab Sample ID: LCSD 720-184248/7**

**Matrix: Water**

**Analysis Batch: 184248**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	25.0	26.8		ug/L		107	79 - 130	1	20
Ethylbenzene	25.0	24.4		ug/L		98	80 - 120	5	20
m-Xylene & p-Xylene	25.0	24.1		ug/L		96	70 - 142	5	20
Chlorobenzene	25.0	24.2		ug/L		97	70 - 130	3	20
Naphthalene	25.0	24.7		ug/L		99	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	93		67 - 130
1,2-Dichloroethane-d4 (Surr)	102		72 - 130
Toluene-d8 (Surr)	105		70 - 130

TestAmerica Pleasanton

# QC Sample Results

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 720-184371/5**

**Matrix: Water**

**Analysis Batch: 184371**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50		ug/L			06/29/15 08:43	1
Ethylbenzene	ND		0.50		ug/L			06/29/15 08:43	1
Chlorobenzene	ND		0.50		ug/L			06/29/15 08:43	1
Xylenes, Total	ND		1.0		ug/L			06/29/15 08:43	1
Naphthalene	ND		1.0		ug/L			06/29/15 08:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		67 - 130		06/29/15 08:43	1
1,2-Dichloroethane-d4 (Surr)	91		72 - 130		06/29/15 08:43	1
Toluene-d8 (Surr)	100		70 - 130		06/29/15 08:43	1

**Lab Sample ID: LCS 720-184371/6**

**Matrix: Water**

**Analysis Batch: 184371**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.8		ug/L		99	79 - 130
Ethylbenzene	25.0	24.3		ug/L		97	80 - 120
m-Xylene & p-Xylene	25.0	24.1		ug/L		96	70 - 142
Chlorobenzene	25.0	24.6		ug/L		99	70 - 130
Naphthalene	25.0	22.8		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	86		72 - 130
Toluene-d8 (Surr)	102		70 - 130

**Lab Sample ID: LCSD 720-184371/7**

**Matrix: Water**

**Analysis Batch: 184371**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	25.0	24.7		ug/L		99	79 - 130	0	20
Ethylbenzene	25.0	24.8		ug/L		99	80 - 120	2	20
m-Xylene & p-Xylene	25.0	24.5		ug/L		98	70 - 142	2	20
Chlorobenzene	25.0	24.7		ug/L		99	70 - 130	0	20
Naphthalene	25.0	22.8		ug/L		91	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
1,2-Dichloroethane-d4 (Surr)	83		72 - 130
Toluene-d8 (Surr)	101		70 - 130

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# QC Association Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## GC/MS VOA

### Analysis Batch: 184248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-65644-1	GW-2B	Total/NA	Water	8260B	
720-65644-2	GW-4A	Total/NA	Water	8260B	
720-65644-3	GW-5A	Total/NA	Water	8260B	
720-65644-5	GW-7A	Total/NA	Water	8260B	
720-65644-6	GW-11A	Total/NA	Water	8260B	
720-65644-7	GW-14A	Total/NA	Water	8260B	
720-65644-8	GW-15A	Total/NA	Water	8260B	
720-65644-9	GW-16A	Total/NA	Water	8260B	
720-65644-10	TRIP BLANK	Total/NA	Water	8260B	
720-65644-11	EQUIP BLANK	Total/NA	Water	8260B	
LCS 720-184248/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-184248/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-184248/5	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 184371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-65644-4	GW-6A	Total/NA	Water	8260B	
LCS 720-184371/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 720-184371/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 720-184371/5	Method Blank	Total/NA	Water	8260B	

# Lab Chronicle

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-2B**

**Date Collected: 06/22/15 12:11**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 19:57	PRD	TAL PLS

**Client Sample ID: GW-4A**

**Date Collected: 06/23/15 13:40**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 20:30	PRD	TAL PLS

**Client Sample ID: GW-5A**

**Date Collected: 06/23/15 14:10**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 21:03	PRD	TAL PLS

**Client Sample ID: GW-6A**

**Date Collected: 06/22/15 13:48**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	184371	06/29/15 16:29	PRD	TAL PLS

**Client Sample ID: GW-7A**

**Date Collected: 06/22/15 11:30**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 21:36	PRD	TAL PLS

**Client Sample ID: GW-11A**

**Date Collected: 06/22/15 15:30**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 22:09	PRD	TAL PLS

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# Lab Chronicle

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

**Client Sample ID: GW-14A**

**Date Collected: 06/23/15 11:35**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 22:43	PRD	TAL PLS

**Client Sample ID: GW-15A**

**Date Collected: 06/22/15 12:10**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 23:16	PRD	TAL PLS

**Client Sample ID: GW-16A**

**Date Collected: 06/23/15 11:50**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-9**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/25/15 23:49	PRD	TAL PLS

**Client Sample ID: TRIP BLANK**

**Date Collected: 06/22/15 09:00**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-10**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/26/15 00:22	PRD	TAL PLS

**Client Sample ID: EQUIP BLANK**

**Date Collected: 06/23/15 10:10**

**Date Received: 06/24/15 15:49**

**Lab Sample ID: 720-65644-11**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	184248	06/26/15 00:55	PRD	TAL PLS

## Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TestAmerica Pleasanton

# Certification Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

## Laboratory: TestAmerica Pleasanton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

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# Method Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



# Sample Summary

Client: CSS Environmental Services Inc  
Project/Site: Oyster Pt. Landfill-6551

TestAmerica Job ID: 720-65644-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-65644-1	GW-2B	Water	06/22/15 12:11	06/24/15 15:49
720-65644-2	GW-4A	Water	06/23/15 13:40	06/24/15 15:49
720-65644-3	GW-5A	Water	06/23/15 14:10	06/24/15 15:49
720-65644-4	GW-6A	Water	06/22/15 13:48	06/24/15 15:49
720-65644-5	GW-7A	Water	06/22/15 11:30	06/24/15 15:49
720-65644-6	GW-11A	Water	06/22/15 15:30	06/24/15 15:49
720-65644-7	GW-14A	Water	06/23/15 11:35	06/24/15 15:49
720-65644-8	GW-15A	Water	06/22/15 12:10	06/24/15 15:49
720-65644-9	GW-16A	Water	06/23/15 11:50	06/24/15 15:49
720-65644-10	TRIP BLANK	Water	06/22/15 09:00	06/24/15 15:49
720-65644-11	EQUIP BLANK	Water	06/23/15 10:10	06/24/15 15:49





# Login Sample Receipt Checklist

Client: CSS Environmental Services Inc

Job Number: 720-65644-1

**Login Number: 65644**

**List Source: TestAmerica Pleasanton**

**List Number: 1**

**Creator: Gonzales, Justinn**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# APPENDIX B

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**Table B1**  
**Water Quality Sample Analytical Results - Volatile Organic Compounds**  
**2008 Semi-Annual Monitoring Report**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Designation	Date Collected	Benzene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chlorobenzene (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	MTBE (µg/L)	Isopropylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Propylbenzene (µg/L)	Sec-Butylbenzene (µg/L)	N-Butylbenzene (µg/L)	Chloroform (µg/L)	Tert-Butylbenzene (µg/L)	2-Chlorotoluene (µg/L)	
GW-1a	7/21/1999	20.6	313	573.8	138	77	<10.0	NA	14.6	43.8	246	19.4	<10.0	<10	32.4	<10	<10	<10	<10	<10.0	<10.0	
	12/27/2000	52.1	<10.0	<10.0	<10.0	62.5	<10.0	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
	3/29/2001	56.9	108	424.9	87.1	66.4	<10.0	NA	11.0	10.9	122	<10.0	<10.0	<10.0	20.5	20.7	<10.0	<10.0	<10.0	<10.0	<10.0	
	6/11/2001	39.7	124	405.5	90.2	50.0	<10.0	NA	<10.0	10.8	88.5	<10.0	<10.0	<10.0	<10	14.8	<10.0	<10.0	<10.0	<10.0	<10.0	
	9/24/2001	50.7	133	537	115	66.0	<10.0	NA	15.0	11.8	146	<10.0	<10.0	<10.0	24	25.9	<10.0	<10.0	<10.0	<10.0	<10.0	
	12/26/2001	48	79	330	87	68	<5.0	9.1	11	7.6	100	<5.0	<5.0	<5.0	19	19	<5.0	5.1	<5.0	<5.0	<5.0	
	6/19/2002	49	46	356	90	73	<5.0	12	11	8.8	95	<5.0	<5.0	<5.0	6	20	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	54	41	291	86	84	<5.0	18	10	9.3	95	<5.0	<5.0	<5.0	21	20	<5.0	6.6	<5.0	<5.0	<5.0	
	6/24/2003	44	37	331	95	93	<5.0	12	11	7.7	98	<5.0	<5.0	<5.0	22	20	<5.0	5.9	<5.0	<5.0	<5.0	
	12/18/2003	51	38	281	90	80	1.4	15	13	6.7	93	3.4	2.1	1.2	22	22	3.8	5.9	<0.5	<0.5	<0.5	
	6/21/2004	47	25	244	78	90	1.1	17	11	8.3	78	3.1	2.1	1.2	23	20	4.0	5.9	<0.5	<0.5	<0.5	
	12/16/2004	48	23	76	70	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/2005	44	21	234	77	96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2006	52	18	248	83	96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2007	55	6.1	153	67	79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	GW-2b (Point of Compliance)	7/27/1999	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	24.9	<0.500	<0.500
		12/27/2000	0.820	<0.500	0.590	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.02	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
3/28/2001		<0.500	<0.500	0.520	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	0.710	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
6/11/2001		0.58	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
9/24/2001		<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
12/26/2001		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.720	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
3/18/2002		<5.0	<5.0	26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
6/19/2002		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9/25/2002		<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12/13/2002		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
3/13/2003		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
6/24/2003		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
9/22/2003		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
12/18/2003		<0.5	<0.5	0.7	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
3/23/2004		<0.5	<0.5	0.8	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
6/21/2004		<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
9/23/04 ***		<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12/16/2004		<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/2005		<0.5	<0.5	<0.5	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/28/2005		<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2006		<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/1/2006		<0.5	<0.5	0.7	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/18/2007		<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/5/2007	<0.5	0.8	3.2	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
6/24/2008	<0.5	<0.5	<1.0	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GW-3a	7/21/1999	48	566	2770	207	423	1900	NA	129	130	468	44.8	<40.0	<40	<40	<40	<40	<40	<40	<40	<40	
	12/27/2000	64.0	580	3018	211	130	1260	NA	23	97.9	383	29.6	<20.0	<20.0	<20.0	42.7	<20.0	<20.0	<20.0	<20.0	<20.0	
	3/29/2001	<50.0	517	2224	88.7	<100	174	NA	<50.0	57.9	214	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	
	6/11/2001	63.5	600	2883	209	134	1550	NA	<50.0	104	402	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	
	9/24/2001	56	624	3045	202	133	854	NA	<40	112	443	44.4	<40	<40	<40	<40	<40	<40	<40	<40	<40	
	12/26/2001	45	410	2160	170	100	380	<31	<31	82	310	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	
	6/19/2002	39	570	3800	150	80	150	<31	<31	93	260	<31	<31	<31	<31	<31	<31	<31	<31	<31	<31	
	12/13/2002	41	420	2780	150	99	200	<36	<36	92	310	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	
	6/24/2003	42	580	2580	160	140	220	<36	<36	84	340	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	
	12/18/2003	53	350	2540	190	130	370	<3.1	4.8	110	400	27	3.8	<3.1	12	3.4	<3.1	9.6	<3.1	<3.1	<3.1	
	6/21/2004	55	360	2610	190	140	400	<5.0	8.0	110	390	23	<5.0	<5.0	12	8.4	<5.0	10	<5.0	<5.0	<5.0	
	12/16/2004	<71	130	2140	190	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/2005	50	440	2000	210	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2006	70	510	2																		



**Table B1**  
**Water Quality Sample Analytical Results - Volatile Organic Compounds**  
**2008 Semi-Annual Monitoring Report**  
**Former Oyster Point Landfill**  
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Well Designation	Date Collected	Benzene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chlorobenzene (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	MTBE (µg/L)	Isopropylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Propylbenzene (µg/L)	Sec-Butylbenzene (µg/L)	N-Butylbenzene (µg/L)	Chloroform (µg/L)	Tert-Butylbenzene (µg/L)	2-Chlorotoluene (µg/L)		
GW-7a (Point of Compliance)	7/21/1999	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/27/2000	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	3/28/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	6/11/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	9/24/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/23/2005	<0.5	<0.5	<0.5	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/28/2005	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/28/2006	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/2006	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/18/2007	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2007	<0.5	<0.5	<1.0	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/24/2008	<0.5	<0.5	<1.0	<0.5	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GW-8c	7/27/1999	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/27/2000	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	3/28/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	6/11/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	9/24/2001	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	12/18/2003	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
6/21/2004	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
GW-9a	7/21/1999	1.64	<1.00	<1.00	44.5	<2.0	<1.00	NA	<1.00	<1.00	<1.00	<1.00	4.76	<1.00	5.18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
	12/27/2000	1.35	<1.00	<1.00	83.7	<2.0	<1.00	NA	<1.00	<1.00	<1.00	<1.00	15.2	<1.00	19.4	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
	3/28/2001	<5.00	<5.00	<5.00	94.3	<10.0	<5.00	NA	<5.00	<5.00	<5.00	<5.00	8.99	<5.00	18.3	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
	6/11/2001	3.29	<1.00	<1.00	56.7	<2.00	<1.00	NA	<1.00	<1.00	<1.00	<1.00	8.71	<1.00	37.6	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
	12/26/2001	<5.0	<5.0	<5.0	110	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	9.5	<5.0	19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/18/2003	<0.5	<0.5	<0.5	59	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6.7	0.7	31	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	<0.5	
6/21/2004	Well Dry - Not Sampled																						
GW-10a	7/27/1999	46.3	33.3	56.8	126	<2.0	9.58	NA	13.4	7.38	17.8	39.6	2.7	1.02	5.56	6.66	1.56	1.16	<1.00	<1.00	<1.00		
	12/27/2000	33.6	23.0	28.3	89.1	2790	<20.0	NA	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0		
	3/29/2001	<50.0	<50.0	<50.0	83.9	2000	<50.0	NA	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0		
	6/11/2001	<50.0	<50.0	<50.0	<10.0	3370	<50.0	NA	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0		
	9/24/2001	47.8	60.6	<40.0	123	4690	<40.0	NA	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0		
	12/26/2001	31	19	26.7	95	1400	<5.0	11	<5.0	12	<5.0	<5.0	<5.0	<5.0	5.8	7.7	<5.0	<5.0	<5.0	<5.0	<5.0		
	6/19/2002	<50	<50	<50	94	1200	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50		
	12/13/2002	<50	<50	<50	93	1300	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50		
	6/24/2003	<36	<36	<36	94	480	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36	<36		
	12/18/2003	36	7.1	11.2	110	680	2.5	<2.5	12	<2.5	4.6	<2.5	<2.5	<2.5	5.8	8.9	<2.5	<2.5	<2.5	<2.5	<2.5		
	6/21/2004	29	5.6	8.9	94	470	<2.5	<2.5	11	<2.5	3.9	<2.5											

**Table B1**  
**Water Quality Sample Analytical Results - Volatile Organic Compounds**  
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**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Designation	Date Collected	Benzene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chlorobenzene (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	MTBE (µg/L)	Isopropylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Propylbenzene (µg/L)	Sec-Butylbenzene (µg/L)	N-Butylbenzene (µg/L)	Chloroform (µg/L)	Tert-Butylbenzene (µg/L)	2-Chlorotoluene (µg/L)	
GW-12a	2/7/2000	239	41.2	<20.0	765	174	<20.0	NA	47.2	<20.0	<20.0	93.6	<20.0	<20.0	20.4	88.8	<20	<20	<20	<20	<20	
	12/27/2000	62.6	<5.00	<5.00	84.7	24.1	<5.00	NA	5.32	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	7.14	<5.00	<5.00	<5.00	<5.00	<5.00	
	3/29/2001	84.6	<5.00	<5.00	146	23.5	<5.00	NA	7.07	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	9.41	<5.00	<5.00	<5.00	<5.00	<5.00	
	6/11/2001	67.7	<2.50	<2.50	106	20.7	<2.50	NA	6.00	<2.50	3.09	<2.50	<2.50	<2.50	<2.50	8.44	4.73	<2.50	<2.50	<2.50	<2.50	
	9/24/2001	166	<20.0	<20.0	223	106	<20.0	NA	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	
	12/26/2001	71	<5.0	<5.0	130	18	<5.0	<5.0	5.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.3	<5.0	<5.0	<5.0	<5.0	
	6/19/2002	86	<5.0	<5.0	150	23	<5.0	<5.0	5.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7.6	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	110	<5.0	<5.0	140	22	<5.0	<5.0	7.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	<5.0	<5.0	
	6/24/2003	81	<5.0	<5.0	96	26	<5.0	<5.0	8.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	11	<5.0	<5.0	<5.0	<5.0	
	12/18/2003	84	0.7	2.2	90	12	<0.5	<0.5	8.1	<0.5	<0.5	<0.5	0.6	0.6	4.8	6.0	2.9	1.1	<0.5	0.6	<0.5	
	6/21/2004	87	0.8	0.8	98	11	<0.5	<0.5	7.1	<0.5	<0.5	<0.5	<0.5	0.7	3.9	7.7	3.9	2.0	<0.5	0.7	<0.5	
	12/16/2004	70	<7.1	<7.1	100	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/28/2005	62	0.5	0.5	59	5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2006	77	0.6	1.6	100	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/5/2007	65	<1.0	<2.0	86	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	GW-13a	2/7/2000	22.4	0.740	2.77	97.9	7.74	<0.500	NA	1.81	1.47	5.21	8.04	0.520	0.860	5.42	2.31	1.71	2.10	<0.500	<0.500	<0.500
		12/27/2000	29.8	<5.00	<5.00	113	<10.0	<5.00	NA	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
3/28/2001		21.6	<5.00	<5.00	110	<10.0	<5.00	NA	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
6/11/2001		25.9	<2.50	<2.50	104	<5.00	<2.50	NA	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	<2.50	
9/24/2001		29.8	<10.0	<10.0	112	26.8	<10.0	NA	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	
12/26/2001		22	<5.0	<5.0	110	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
6/19/2002		29	<5.0	<5.0	120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
12/13/2002		34	<5.0	<5.0	120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
6/24/2003		30	<5.0	<5.0	120	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
12/18/2003		37	<0.5	0.5	130	<2.0	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	0.8	4.8	1.1	1.3	1.3	<0.5	<0.5	<0.5	
6/21/2004		38	<0.7	<0.7	110	<2.9	<0.7	<0.7	1.2	<0.7	<0.7	<0.7	<0.7	0.8	4.1	1.0	0.9	0.9	<0.7	<0.7	<0.7	
12/16/2004		31	<7.1	<7.1	110	<7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/28/2005		25	<0.7	<0.7	100	<7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/1/2006		32	<0.7	<0.7	120	<7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/5/2007		33	<1.0	<2.0	110	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
GW-14a (Point of Compliance)		2/7/2000	0.640	<0.500	<0.500	15.5	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	5.28	5.37	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
		12/27/2000	0.630	<0.500	<0.500	21.7	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	7.59	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500
	3/28/2001	0.500	<0.500	<0.500	11.7	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	3.71	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	6/11/2001	0.56	<0.500	<0.500	14.4	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	4.83	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	9/24/2001	0.54	<0.500	<0.500	17	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	5.54	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/26/2001	<5.0	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/19/2002	<5.0	<5.0	<5.0	12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	<5.0	<5.0	<5.0	9.4	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/24/03 *	<5.0	<5.0	<5.0	13	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/18/2003	<0.5	<0.5	<0.5	7.0	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	0.7	1.1	<0.5	<0.5	<0.5	
	6/21/2004**	<0.5	<0.5	<0.5	15	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
	12/16/2004	<5.0	<5.0	<5.0	11	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/23/2005	<0.5	<0.5	<0.5	12	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/28/2005	<0.5	<0.5	<0.5	11	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/28/2006	0.5	<0.5	<0.5	8.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2006	0.5	<0.5	<0.5	8.8	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/18/2007	0.5	<0.5	<0.5	5.7	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/5/2007	<0.5	<0.5	<1.0	8.2	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
6/24/2008	<1.0	<1.0	<1.0	7.6	<4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
GW-15a (Point of Compliance)	2/7/2000	6.32	<0.500	1.78	16.9	64.3	<0.500	NA	1.24	<0.500	1.53	2.25	<0.500	<0.500	1.75	0.94	<0.500	<0.500	<0.500	<0.500	<0.500	
	12/27/2000	1.91	2.29	11.94	11.3	13.5	3.43	NA	<0.500	<0.500	1.66	<0.500	<0.500	<0.500	0.860	<0.500	<0.500	<0.500	<0.500	<0.500		
	3/29/2001	3.49	<0.500	<0.500	11.4	19.6	<0.500	NA	0.560	<0.500	<0.500	<0.500	<0.500	<0.500	1.01	<0.500	<0.500	<0.500	<0.500	<0.500		
	6/11/2001	7.19	<1.00	<1.00	17.6	80.0	<1.00	NA	1.01	<1.00	<1.00	<1.00	<1.00	<1.00	1.79	<1.00	<1.00	<1.00	<1.00	<1.00		
	9/24/2001	3.93	<0.500	<0.500																		

**Table B1**  
**Water Quality Sample Analytical Results - Volatile Organic Compounds**  
**2008 Semi-Annual Monitoring Report**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Designation	Date Collected	Benzene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Chlorobenzene (µg/L)	Naphthalene (µg/L)	Toluene (µg/L)	MTBE (µg/L)	Isopropylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	4-Isopropyltoluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,3-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Propylbenzene (µg/L)	Sec-Butylbenzene (µg/L)	N-Butylbenzene (µg/L)	Chloroform (µg/L)	Tert-Butylbenzene (µg/L)	2-Chlorotoluene (µg/L)	
GW-16a (Point of Compliance)	2/7/2000	2.14	6.41	9.00	4.52	8.11	79.5	NA	1.55	2.44	7.78	1.67	<0.500	<0.500	<0.500	2.77	2.25	1.31	<0.500	<0.500	<0.500	
	12/27/2000	2.41	2.25	2.21	4.24	2.12	2.96	NA	0.990	0.560	1.92	<0.500	<0.500	<0.500	<0.500	0.990	0.920	<0.500	<0.500	<0.500	<0.500	
	3/29/2001	1.73	2.11	2.40	3.74	1.51	2.42	NA	0.720	0.500	1.78	0.670	<0.500	<0.500	<0.500	0.510	0.660	0.790	<0.500	<0.500	<0.500	
	6/11/2001	1.88	1.94	1.99	3.63	<1.00	1.38	NA	0.77	<0.500	1.35	<0.500	<0.500	<0.500	<0.500	0.51	0.66	0.71	<0.500	<0.500	<0.500	
	9/24/2001	2.75	2.64	2.97	4.45	1.33	1.68	NA	1.04	0.61	2.12	<0.500	<0.500	<0.500	<0.500	0.620	0.940	0.760	<0.500	<0.500	<0.500	
	12/26/2001	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	3/18/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	6/19/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	9/25/2002	2.24	1.76	2.54	3.73	<2.0	0.66	NA	0.78	<0.5	1.52	<0.5	<0.5	<0.5	<0.5	0.51	0.68	0.57	<0.5	<0.5	<0.5	
	12/13/2002	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/13/2003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/24/2003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/29/2003	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/18/2003	2.7	2.5	3.5	6.3	<2.0	0.6	<0.5	1.1	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	0.9	1.0	0.8	<0.5	<0.5	<0.5	
	3/23/2004	1.9	2.0	2.4	4.7	<2.0	<0.5	<0.5	0.8	<0.5	1.3	<0.5	<0.5	<0.5	<0.5	0.6	0.8	0.6	<0.5	<0.5	<0.5	
	6/21/2004	2.1	1.7	2.5	4.7	<2.0	<0.5	<0.5	0.8	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	0.6	0.7	0.8	<0.5	<0.5	<0.5	
	9/23/2004	2.5	2.0	2.5	4.7	<2.0	<0.5	<0.5	0.8	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	0.6	0.8	0.5	<0.5	<0.5	<0.5	
	12/16/2004	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/23/2005	2.0	2.4	2.7	5.1	<2.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/28/2005	1.2	1.4	2.3	5.8	<5.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/28/2006	1.9	1.7	2.5	4.8	<5.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/1/2006	1.9	1.5	2.9	4.4	<5.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/18/2007	1.9	2.4	2.8	5.1	<5.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/5/2007	1.2	<1.0	<2.0	3.4	<4.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
6/24/2008	1.7	1.6	1.8	3.8	<2.0	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
GW-17a	2/7/2000	14.9	<5.00	<5.00	34.1	37.3	<5.00	NA	<5.00	<5.00	<5.00	39.3	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
	12/27/2000	14.1	0.940	4.20	33.6	22.3	2.35	NA	1.81	<0.500	1.24	<0.500	2.11	<0.500	<0.500	2.05	0.720	0.530	<0.500	<0.500	<0.500	
	3/29/2001	8.74	<0.500	1.53	19.1	32.0	<0.500	NA	1.37	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.45	0.510	<0.500	<0.500	<0.500	<0.500	
	6/11/2001	10.6	0.53	1.08	27.8	40.2	0.51	NA	1.61	<0.500	<0.500	0.67	<0.500	<0.500	<0.500	2.62	<0.500	<0.500	<0.500	<0.500	<0.500	
	9/24/2001	10.8	0.52	1.76	26.3	34.3	0.52	NA	1.73	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1.86	0.60	0.64	<0.500	<0.500	<0.500	
	12/26/2001	9.0	<5.0	<5.0	23	32	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/19/2002	8.9	<5.0	<5.0	21	23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	13	<5.0	<5.0	26	24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/24/2003	11	<5.0	<5.0	28	30	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/18/2003	13	<0.5	1.3	27	21	<0.5	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	1.7	0.6	0.5	<0.5	<0.5	
	6/21/2004	12	<0.5	1.2	28	20	<0.5	<0.5	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	1.9	0.6	0.5	<0.5	<0.5	
MW-5	10/25/1999	2.52	<0.500	<0.500	23.3	<2.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	1.11	<0.500	5.76	<0.500	<0.500	2.78	<0.500	<0.500	<0.500	
	12/27/2000	2.26	<0.500	<0.500	23.8	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	0.860	<0.500	5.59	<0.500	<0.500	1.44	<0.500	0.510	<0.500	
	3/28/2001	1.79	<0.500	<0.500	22.0	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	0.870	<0.500	4.86	<0.500	<0.500	1.11	<0.500	<0.500	<0.500	
	6/11/2001	1.71	<0.500	<0.500	22.2	1.0	<0.500	NA	<0.500	<0.500	<0.500	<0.500	0.92	<0.500	5.45	<0.500	<0.500	1.67	<0.500	<0.500	<0.500	
	9/24/2001	1.79	<0.500	<0.500	25.7	1.11	<0.500	NA	<0.500	<0.500	<0.500	<0.500	0.93	<0.500	<0.500	<0.500	1.09	1.91	<0.500	<0.500	<0.500	
	12/26/2001	<5.0	<5.0	<5.0	21	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/19/2002	<5.0	<5.0	<5.0	24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/13/2002	<5.0	<5.0	<5.0	24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
6/24/2003	<5.0	<5.0	<5.0	25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0		
12/18/2003	1.1	<0.5	<0.5	24	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.2	<5.0	<5.0	<5.0	<5.0	<5.0		
6/21/2004	0.6	<0.5	<0.5	18	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.8	<0.5	1.1	2.0	<0.5	0.5		
6/21/2004	0.6	<0.5	<0.5	18	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4.4	<0.5	0.7	1.7	<0.5	0.7		
Surface Water																						
Surface Water Sample - Ditch	8/11/1999	<0.500	<0.500	<0.500	<0.500	<1.00	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	

**Notes:**  
µg/L = Micrograms per liter  
< = Compound not detected at or above the stated laboratory reporting limit  
Samples analyzed by EPA Test Method 8260  
MTBE= methyl tertiary-butyl ether  
NA= Not analyzed  
\* = Carbon disulfide was detected at a concentration of 14 micrograms per liter.  
\*\* = Carbon disulfide was detected at a concentration of 2.1 micrograms per liter.  
\*\*\* = Acetone was detected at a concentration of 54 micrograms per liter.  
(1) = Naphthalene was reported four days past the seven day hold time for unpreserved VOAs due to a naphthalene concentration in excess of the instrument's calibration range, which required a dilution.



**Table B2**  
**Water Quality Sample Analytical Results - Semivolatile Organic Compounds**  
**2008 Semi-Annual Monitoring Report**  
**Former Oyster Point Landfill**  
**South San Francisco, California**

Well Designation	Date Collected	Bis (2-Ethylhexyl) Phthalate (µg/L)	Phenanthrene (µg/L)	Acenaphthene (µg/L)	Anthracene (µg/L)	Benzyl Alcohol (µg/L)	Dibenzofuran (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Nitrobenzene (µg/L)	Pyrene (µg/L)	2,4-Dimethylphenol (µg/L)	Dimethylphthalate (µg/L)	Di-N-Butylphthalate (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Nitroso-Di-N-Propylamine (µg/L)	
GW-6a (Point of Compliance)	7/21/1999	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50.0	<50	<50	<50	<50	<50	<50	<50	
	12/27/2000	<10	12.9	19.3	<10	<10	10.8	<10	13.6	19.6	25.7	<10	<10	<20	<10	<10	<10	<10	
	3/29/2001	<10	19.5	30.5	<10	<10	15.3	<10	18.1	41.5	30.2	<10	<10	<20	<10	<10	<10	<10	
	6/11/2001	<10	19	<10	<10	<10	16.5	<10	19	38.5	30.2	<10	<10	<20	<10	<10	<10	<10	
	9/24/2001	<10	27.6	37.5	<10	<10	19.1	<10	23.1	36.6	22.8	<10	<10	<20	<10	<10	<10	<10	
	1/7/2002	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48
	3/18/2002	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49	<49
	6/19/2002	<9.5	14	20	<9.5	<9.5	10	<9.5	12	21	11	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
	12/13/2002	<10	15	22	<10	<10	10	<10	12	20	10	<10	<10	<10	<10	<10	<10	<10	<10
	6/24/03 (4)	<9.8	22	26	<9.8	<9.8	14	<9.8	16	26	13	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	12/18/2003	<9.9	15	20	<9.9	<9.9	10	<9.9	10	16	10	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	6/21/04 (5)	<10	18	22	<10	<10	12	<10	14	21	10	<10	<10	<10	<10	<10	<10	<10	<10
	GW-7a (Point of Compliance)	7/21/1999	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
		12/27/2000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
3/28/2001		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
6/11/2001		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
9/24/2001		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
1/7/2002		<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
6/19/2002		<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
12/13/2002		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
6/24/2003		<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5	<9.5
12/18/2003		<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
6/21/2004		<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
GW-8c		7/27/1999	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
		12/27/2000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
		3/28/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
	6/11/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
	9/24/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
	1/7/2002	12	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
	6/19/2002	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
	12/13/2002	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
	6/24/2003	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
	12/18/2003	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
	6/21/2004	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9	<9.9
	GW-9a	7/21/1999	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
		12/27/2000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	13.0	<10
		3/28/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	17.0	<10
1/7/2002		<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	13	<9.6	
12/18/2003		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	18	<10	
6/21/2004	Well Dry - Not Sampled																		
GW-10a	7/27/1999	<5.00	124	124	19.1	<5.00	82.9	22.7	84.6	322	1880	19.5	14.3	106	<5.00	<5.00	<5.00	<5.00	
	12/27/2000	<112	<112	<112	<112	<112	<112	<112	<112	<112	1700	<112	<112	<224	<112	<112	<112	<112	
	3/29/2001	<10	77.2	110	<10	<10	63.8	<10	69.9	163	706	<10	<10	<20	<10	<10	<10	<10	
	6/11/2001	<100	<100	<100	<100	<100	<100	<100	<100	<100	2130	<100	<100	<200	<100	<100	<100	<100	
	9/24/2001	<200	<200	<200	<200	<200	<200	<200	<200	<200	3220	<200	<200	<400	<200	<200	<200	<200	
	1/7/2002	<96	120	100	<96	<96	<96	<96	<96	<96	1500	<96	<96	<96	<96	<96	<96	<96	
	6/19/2002	<9.4	60	55	<9.4	<9.4	36	<9.4	37	77	580	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	
	12/13/2002	<9.7	66	60	<9.7	<9.7	35	<9.7	38	83	770	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	
	6/24/2003	<190	210	<190	<190	<190	<190	<190	<190	<190	1600	<190	<190	<190	<190	<190	<190	<190	
	12/18/2003	<12	70	57	<12	<12	35	<12	15	41	320	<12	<12	<12	<12	<12	<12	<12	
	6/21/2004	<20	65	52	<12	<12	31	<20	37	51	270	<20	<20	<20	<20	<20	<20	<20	
	GW-11a (Point of Compliance)	7/21/1999	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
		12/27/2000	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
		3/29/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10
6/11/2001		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
9/24/2001		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<20	<10	<10	<10	<10	
1/7/2002		<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6	<9.6
6/19/2002		<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4	<9.4
12/13/2002		<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
6/24/03 (2)		<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
12/18/2003		<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8
6/21/2004		<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7	<9.7
GW-12a		2/7/2000	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	<11.8	26.1	<11.8	<11.8	<23.6	<11.8	<11.8	<11.8	<11.8
		12/27/2000	<10	<10	<10	<10	<10	<10	<10	<10	<10	13.9	<10	<10	<20	<10	<10	<10	<10
		3/29/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	17.9	<10	<10	<20	<			





Table B2  
 Water Quality Sample Analytical Results - Semivolatile Organic Compounds  
 2008 Semi-Annual Monitoring Report  
 Former Oyster Point Landfill  
 South San Francisco, California

Well Designation	Date Collected	Bis (2-Ethylhexyl) Phthalate (µg/L)	Phenanthrene (µg/L)	Acenaphthene (µg/L)	Anthracene (µg/L)	Benzyl Alcohol (µg/L)	Dibenzofuran (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	2-Methylnaphthalene (µg/L)	Naphthalene (µg/L)	Nitrobenzene (µg/L)	Pyrene (µg/L)	2,4-Dimethylphenol (µg/L)	Dimethylphthalate (µg/L)	Di-N-Butylphthalate (µg/L)	1,4-Dichlorobenzene (µg/L)	N-Nitroso-Di-N-Propylamine (µg/L)
Surface Water																		
Surface Water Sample - Ditch	8/11/1999	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00

**Notes:**  
 µg/L = micrograms per liter  
 < = compound not detected at or above the stated laboratory reporting limit  
 Samples analyzed by EPA Test Method 8270  
 (1) = N-Nitrosodiphenylamine was detected at a concentration of 32 micrograms per liter.  
 (2) = N-Nitrosodiphenylamine was detected at a concentration of 14 micrograms per liter.  
 (3) = N-Nitrosodiphenylamine was detected at a concentration of 13 micrograms per liter.  
 (4) = N-Nitrosodiphenylamine was detected at a concentration of 11 micrograms per liter.  
 (5) = 4-Chloro-3-methylphenol, 2,4,5-trichlorophenol, 3-nitroaniline, 4-nitrophenol, and pentachlorophenol were detected at concentrations of 11, 10, 22, 37, and 30 micrograms per liter, respectively.

# APPENDIX C

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State of California  
STATE WATER RESOURCES CONTROL BOARD

2014-2015  
**ANNUAL REPORT**  
FOR  
STORM WATER DISCHARGES ASSOCIATED  
WITH INDUSTRIAL ACTIVITIES

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Reporting Period July 1, 2014 through June 30, 2015

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

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

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

**GENERAL INFORMATION:**

**A. Facility Information:**

Facility Business Name: Oyster Point Marina and Park  
Physical Address: Oyster Point Blvd at Marina Blvd  
City: South San Francisco  
Standard Industrial Classification (SIC) Code(s): 4953

**Facility WDID No:** WDED241SO16184

Contact Person: Mr. Robert Hahn  
e-mail: robert.hahn@ssf.net  
**CA** Zip: 94080 Phone: 650-829-6660

**B. Facility Operator Information:**

Operator Name: City of South San Francisco  
Mailing Address: 550 N Canal Street  
City: South San Francisco

Contact Person: Mr. Robert Hahn  
e-mail: robert.hahn.ssf.net  
State: CA Zip: 94080 Phone: 650-829-6660

**C. Facility Billing Information:**

Operator Name: City of South San Francisco  
Mailing Address: 550 N Canal Street  
City: South San Francisco

Contact Person: Mr. Robert Hahn  
e-mail: robert.hahn.ssf.net  
State: CA Zip: 94080 Phone: 650-829-6660

2014-2015  
**ANNUAL REPORT**

**SPECIFIC INFORMATION**

**MONITORING AND REPORTING PROGRAM**

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

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

**YES** Go to Item D.2

**NO** Go to Section E

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

i.  Participating in an Approved Group Monitoring Plan **Group Name:** \_\_\_\_\_  
\_\_\_\_\_

ii.  Submitted **No Exposure Certification (NEC)** Date Submitted: \_\_\_\_\_

Re-evaluation Date: \_\_\_\_\_

Does facility continue to satisfy NEC conditions?  YES  NO

iii.  Submitted **Sampling Reduction Certification (SRC)** Date Submitted: \_\_\_\_\_

Re-evaluation Date: \_\_\_\_\_

Does facility continue to satisfy SRC conditions?  YES  NO

iv.  Received Regional Board Certification Certification Date: \_\_\_\_\_

v.  Received Local Agency Certification Certification Date: \_\_\_\_\_

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

**YES** Go to Section E

**NO** Go to Section F

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

E. SAMPLING AND ANALYSIS RESULTS

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

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

**YES**

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

3. How many storm water discharge locations are at your facility? 37

4. For each storm event sampled, did you collect and analyze a sample from each of the facility's storm water discharge locations?  YES, go to Item E.6  NO
5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit?  YES  NO, **attach explanation**
- If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.
- Date facility's drainage areas were last evaluated Dec 2000
6. Were all samples collected during the first hour of discharge?  YES  NO, **attach explanation**
7. Was all storm water sampling preceded by three (3) working days without a storm water discharge?  YES  NO, **attach explanation**
8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond)  YES  NO, go to Item E.10
9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above)  YES  NO, **attach explanation**
10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.
- a. Does Table D contain any additional parameters related to your facility's SIC code(s)?  YES  NO, Go to Item E.11
- b. Did you analyze all storm water samples for the applicable parameters listed in Table D?  YES  NO
- c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:
- In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**
- The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**
- Other. **Attach explanation**
11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:
- Date and time of sample collection
  - Name and title of sampler.
  - Parameters tested.
  - Name of analytical testing laboratory.
  - Discharge location identification.
  - Testing results.
  - Test methods used.
  - Test detection limits.
  - Date of testing.
  - Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

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

YES  NO Go to Item F.2

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

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

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

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

2. **Unauthorized Non-Storm Water Discharges**

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

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

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

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

YES  NO Go to item F.2.d

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

YES  NO **Attach explanation**

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

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

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

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

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

	YES	NO		YES	NO
October	<input checked="" type="checkbox"/>	<input type="checkbox"/>	February	<input type="checkbox"/>	<input checked="" type="checkbox"/>
November	<input checked="" type="checkbox"/>	<input type="checkbox"/>	March	<input type="checkbox"/>	<input checked="" type="checkbox"/>
December	<input checked="" type="checkbox"/>	<input type="checkbox"/>	April	<input checked="" type="checkbox"/>	<input type="checkbox"/>
January	<input type="checkbox"/>	<input checked="" type="checkbox"/>	May	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Report monthly wet season visual observations using **Form 4** or provide the following information.
  - a. date, time, and location of observation
  - b. name and title of observer
  - c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
  - d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

**ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)**

H. ACSCE CHECKLIST

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

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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• areas where spills and leaks have occurred during the last year.</li> <li>• outdoor wash and rinse areas.</li> <li>• process/manufacturing areas.</li> <li>• loading, unloading, and transfer areas.</li> <li>• waste storage/disposal areas.</li> <li>• dust/particulate generating areas.</li> <li>• erosion areas.</li> </ul> | <ul style="list-style-type: none"> <li>• building repair, remodeling, and construction</li> <li>• material storage areas</li> <li>• vehicle/equipment storage areas</li> <li>• truck parking and access areas</li> <li>• rooftop equipment areas</li> <li>• vehicle fueling/maintenance areas</li> <li>• non-storm water discharge generating areas</li> </ul> |
|---|--|

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

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

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• facility boundaries</li> <li>• outline of all storm water drainage areas</li> <li>• areas impacted by run-on</li> </ul> | <ul style="list-style-type: none"> <li>• storm water discharges locations</li> <li>• storm water collection and conveyance system</li> <li>• structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.</li> </ul> |
|--|--|

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

The following records should be reviewed:

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

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

The following SWPPP items should be reviewed:

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

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

The following BMP categories should be reviewed:

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

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

I. ACSCE EVALUATION REPORT

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

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

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

J. ACSCE CERTIFICATION

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

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

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



**ATTACHMENT SUMMARY**

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

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

**ANNUAL REPORT CERTIFICATION**

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

Printed Name: Robert T. Hahn  
Signature: *Robert T. Hahn* Date: 6/30/15  
Title: Senior Civil Engineer

2014-2015  
**ANNUAL REPORT**

***DESCRIPTION OF BASIC ANALYTICAL PARAMETERS***

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC), and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

**pH** is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

**Total Suspended Solids (TSS)** is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

**Specific Conductance (SC)** is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

**Total Organic Carbon (TOC)** is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

**Oil and Grease (O&G)** is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at <http://www.swrcb.ca.gov>. It is contained in the Sampling and Analysis Reduction Certification.

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See Storm Water Contacts at

[http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/contact.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml)

**State of California  
State Water Resources Control Board  
Annual Report for Storm Water Discharges  
Oyster Point Marina  
South San Francisco, California**

**FORM 1-SAMPLING & ANALYSIS RESULTS**

**SAMPLING RESULTS FOR FIRST STORM EVENT**

Date of Sample: December 2, 2014  
 Time Discharge Started: 12:01 AM  
 Name of Person Collecting Sample(s): A. Stessman  
 Title: Sr Env Technician - CSS Environmental Services, Inc.  
 Analytical Laboratory: Test America

Constituent	Outfall Points								Units	Test Method Used	Laboratory Reporting Limit
	2	3	9	24	27	28	29	30			
Laboratory Composite Designation	COMPOSITE 2-3			COMPOSITE 28-29			COMPOSITE 30-34				
<b>Wet Chemistry and Stormwater Panels</b>											
pH	7.56	7.55		7.61	7.45	7.50	pH units	EPA 9040B	0.10		
Specific Conductance	280	680		650	550	790	µmhos/cm	EPA 120.1	1.0		
Total Dissolved Solids	190	430		460	220	370	mg/L	EPA 160.1	10		
Total Suspended Solids	15	29		15	11	34	mg/L	EPA 160.2	5.0		
Total Organic Carbon	6.7/3.4	8.3		17	4.4/26	10/18	mg/L	EPA 415.2	1.0		
Chemical Oxygen Demand	24	30		68	57	57	mg/L	EPA 410.4	10		
<b>Anions</b>											
Chloride	73	200		120	63	130	mg/L	EPA 300	10		
Sulfate	18	24		81	23	35	mg/L	EPA 300	1.0-10		
Nitrate Nitrogen	1.2	1.3		4.2	2.0	2.3	mg/L	EPA 300	1.0		
Ammonia	ND	ND		0.23	0.21	0.22	mg/L	EPA 350.2	0.20		
<b>Trace Metals (A)</b>											
Aluminum	540	810		430	570	1,200	µg/l	EPA 6010B	200		
Antimony	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Arsenic	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Barium	16	39		27	16	22	µg/l	EPA 6010B	5.0		
Beryllium	ND	ND		ND	ND	ND	µg/l	EPA 6010B	2.0		
Cadmium	ND	ND		ND	ND	ND	µg/l	EPA 6010B	2.5		
Chromium	ND	ND		ND	ND	14.0	µg/l	EPA 6010B	10		
Cobalt	ND	ND		ND	ND	ND	µg/l	EPA 6010B	2.0		
Copper	ND	ND		ND	ND	ND	µg/l	EPA 6010B	20		
Iron	700	1,200		760	740	1,700	µg/l	EPA 6010B	200		
Lead	ND	ND		ND	ND	ND	µg/l	EPA 6010B	5.0		
Mercury	ND	ND		ND	ND	ND	µg/l	EPA 7470A	0.20		
Molybdenum	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Nickel	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Selenium	ND	ND		ND	ND	ND	µg/l	EPA 6010B	20		
Silver	ND	ND		ND	ND	ND	µg/l	EPA 6010B	5.0		
Thallium	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Vanadium	ND	ND		ND	ND	ND	µg/l	EPA 6010B	10		
Zinc	24	64		28	28	51	µg/l	EPA 6010B	10-20		
<b>Oil and Grease</b>											
Oil and Grease (HEM)	ND	ND		ND	ND	ND	mg/l	EPA 1664A	5.1		

**Notes:**

µg/l = Micrograms per liter  
 ND = None detected at or above the laboratory reporting limit  
 mg/l = Milligrams per liter  
 µmhos/cm = Micro mhos per centimeter  
 (A)= See attached laboratory report for list of analytes  
 NS = Not sampled

**State of California  
State Water Resources Control Board  
Annual Report for Storm Water Discharges  
Oyster Point Marina  
South San Francisco, California**

**FORM 1-SAMPLING & ANALYSIS RESULTS**

**SAMPLING RESULTS FOR FIRST STORM EVENT**

Date of Sample: April 7, 2015  
 Time Discharge Started: 12:01 AM  
 Name of Person Collecting Sample(s): A. Stessman  
 Title: Sr Env Technician - CSS Environmental Services, Inc.  
 Analytical Laboratory: Test America

Constituent	2	3	9	24	27	28	29	30	34	Units	Test Method Used	Laboratory Reporting Limit
Laboratory Composite Designation						COMPOSITE 28-29		COMPOSITE 30-34				
<b>Wet Chemistry and Stormwater Panels</b>												
pH		7.17	7.23		7.47	7.88		7.43		pH units	EPA 9040B	0.10
Specific Conductance		930	100		660	720		3,700		µmhos/cm	EPA 120.1	1.0
Total Dissolved Solids		490	76		430	440		2,100		mg/L	EPA 160.1	10
Total Suspended Solids		6.5	6.0		8.0	ND		48		mg/L	EPA 160.2	5.0
Total Organic Carbon		11	5.7		10	10/23		8.5/11		mg/L	EPA 415.2	1.0
Chemical Oxygen Demand		43	28		37	47		84		mg/L	EPA 410.4	10-20
<b>Anions</b>												
Chloride		230	15		77	230		1,200		mg/L	EPA 300	1.0-100
Sulfate		51	3.2		120	61		200		mg/L	EPA 300	1.0-100
Nitrate Nitrogen		1.2	ND		3.3	4.4		ND		mg/L	EPA 300	1.0
Ammonia		ND	ND		ND	ND		0.55		mg/L	EPA 350.2	0.20
<b>Trace Metals (A)</b>												
Aluminum		760	430		560	ND		1,500		µg/l	EPA 6010B	200
Antimony		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Arsenic		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Barium		21	13		20	44		37		µg/l	EPA 6010B	10
Beryllium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	2.0
Cadmium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	2.5
Chromium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Cobalt		ND	ND		ND	ND		ND		µg/l	EPA 6010B	2.0
Copper		ND	ND		ND	ND		ND		µg/l	EPA 6010B	20
Iron		770	360		640	210		1,900		µg/l	EPA 6010B	200
Lead		ND	ND		ND	ND		ND		µg/l	EPA 6010B	5.0
Mercury		ND	ND		ND	ND		ND		µg/l	EPA 7470A	0.20
Molybdenum		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Nickel		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Selenium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	20
Silver		ND	ND		ND	ND		ND		µg/l	EPA 6010B	5.0
Thallium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Vanadium		ND	ND		ND	ND		ND		µg/l	EPA 6010B	10
Zinc		43	43		24	57		49		µg/l	EPA 6010B	20
<b>Oil and Grease</b>												
Oil and Grease (HEM)		ND	ND		ND	ND		ND		mg/l	EPA 1664A	5.1

**Notes:**

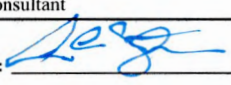
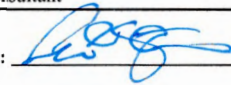
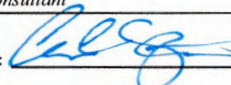
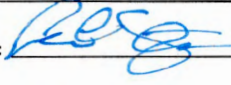
µg/l = Micrograms per liter  
 ND = None detected at or above the laboratory reporting limit  
 mg/l = Milligrams per liter  
 µmhos/cm = Micro mhos per centimeter  
 (A)= See attached laboratory report for list of analytes  
 NS = Not sampled

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SIDE A

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

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

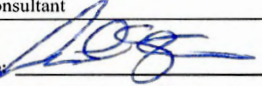
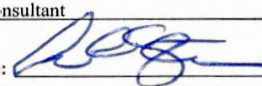
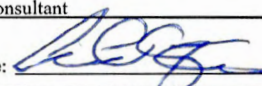
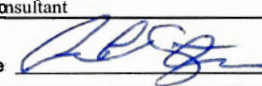
<p>QUARTER: <b>JULY-SEPT.</b></p> <p>DATE: <u>7/8/14</u></p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?</p> <p><input type="checkbox"/> YES if YES, complete reverse side of this form.</p> <p><input checked="" type="checkbox"/> NO</p>
<p>QUARTER: <b>OCT.-DEC.</b></p> <p>DATE: <u>12/2/14</u></p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?</p> <p><input type="checkbox"/> YES if YES, complete reverse side of this form.</p> <p><input checked="" type="checkbox"/> NO</p>
<p>QUARTER: <b>JAN.-MARCH</b></p> <p>DATE: <u>2/9/15</u></p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?</p> <p><input type="checkbox"/> YES if YES, complete reverse side of this form.</p> <p><input checked="" type="checkbox"/> NO</p>
<p>QUARTER: <b>APRIL-JUNE</b></p> <p>DATE: <u>4/7/15</u></p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?</p> <p><input type="checkbox"/> YES if YES, complete reverse side of this form.</p> <p><input checked="" type="checkbox"/> NO</p>

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SIDE A

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

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

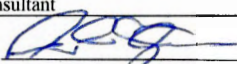
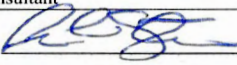
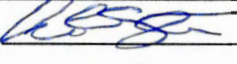
<p>QUARTER: JULY-SEPT.</p> <p>DATE/TIME OF OBSERVATIONS</p> <p>7/8/14 1000 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: OCT.-DEC.</p> <p>DATE/TIME OF OBSERVATIONS</p> <p>12/2/14 1030 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: JAN.-MARCH</p> <p>DATE/TIME OF OBSERVATIONS</p> <p>2/9/15 1500 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM</p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>
<p>QUARTER: APRIL-JUNE</p> <p>DATE/TIME OF OBSERVATIONS</p> <p>4/7/15 0830 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM</p>	<p>Observers Name: <u>Aaron Stessman</u></p> <p>Title: <u>Consultant</u></p> <p>Signature: </p>	<p>WERE UNAUTHORIZED NSWDs OBSERVED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p>If YES to either question, complete reverse side.</p>

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**FORM 4-MONTHLY VISUAL OBSERVATIONS OF**

**SIDE A**

**STORM WATER DISCHARGES**

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

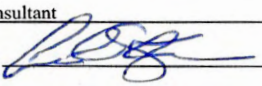
<b>Observation Date:</b> October <u>31</u> 2014		<b>#1</b>	<b>#2</b>	<b>#3</b>	<b>#4</b>
Observers Name: <u>Aaron Stessman</u>	Drainage Location Description	Southwest	Southeast	Northwest	Northeast
Title: <u>Consultant</u>	Observation Time	1205 <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> A.M.	1215 <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> A.M.	1225 <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> A.M.	1235 <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> A.M.
Signature: 	Time Discharge Began	11:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>Observation Date:</b> November <u>13</u> 2014		<b>#1</b>	<b>#2</b>	<b>#3</b>	<b>#4</b>
Observers Name: <u>Aaron Stessman</u>	Drainage Location Description	Southwest	Southeast	Northwest	Northeast
Title: <u>Consultant</u>	Observation Time	1000 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1010 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1020 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1030 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
Signature: 	Time Discharge Began	00:30 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	00:30 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	00:30 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	00:30 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>Observation Date:</b> December <u>2</u> 2014		<b>#1</b>	<b>#2</b>	<b>#3</b>	<b>#4</b>
Observers Name: <u>Aaron Stessman</u>	Drainage Location Description	Southwest	Southeast	Northwest	Northeast
Title: <u>Consultant</u>	Observation Time	1030 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1055 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1205 <input checked="" type="checkbox"/> P.M. <input type="checkbox"/> A.M.	1110 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
Signature: 	Time Discharge Began	11/30 09:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11/30 09:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11/30 09:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	11/30 09:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>Observation Date:</b> January ____ 2015		<b>#1</b>	<b>#2</b>	<b>#3</b>	<b>#4</b>
Observers Name: <u>No rain events</u>	Drainage Location Description	Southwest	Southeast	Northwest	Northeast
Title: _____	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
Signature: _____	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

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

**SIDE A**

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

<b>Observation Date:</b> February ____ 2015 <b>Observers Name:</b> <u>No rain until after hours</u> <b>Title:</b> _____ <b>Signature:</b> _____	Drainage Location Description	#1 Southwest	#2 Southeast	#3 Northwest	#4 Northeast
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
<b>Observation Date:</b> March ____ 2015 <b>Observers Name:</b> <u>No rain event</u> <b>Title:</b> _____ <b>Signature:</b> _____	Drainage Location Description	#1 Southwest	#2 Southeast	#3 Northwest	#4 Northeast
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>
<b>Observation Date:</b> April <u>7</u> 2015 <b>Observers Name:</b> <u>Aaron Stessman</u> <b>Title:</b> <u>Consultant</u> <b>Signature:</b> 	Drainage Location Description	#1 Southwest	#2 Southeast	#3 Northwest	#4 Northeast
	Observation Time	0830 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	0855 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	0925 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	1130 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
	Time Discharge Began	03:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	03:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	03:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.	03:00 <input type="checkbox"/> P.M. <input checked="" type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>Observation Date:</b> May ____ 2015 <b>Observers Name:</b> <u>No rain event</u> <b>Title:</b> _____ <b>Signature:</b> _____	Drainage Location Description	#1 Southwest	#2 Southeast	#3 Northwest	#4 Northeast
	Observation Time	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Time Discharge Began	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.	<input type="checkbox"/> P.M. <input type="checkbox"/> A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>



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SIDE A

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

EVALUATION DATE: 5/21/15 INSPECTOR NAME: Aaron Stessman TITLE: Consultant SIGNATURE: \_\_\_\_\_

<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Public Boatwash	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revised BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Waste Oil Collection	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revised BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Boat Storage and Maintenance	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revised BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Fuel Storage	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revised BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

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SIDE B

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

EVALUATION DATE: 5/21/15 INSPECTOR NAME: Aaron Stessman TITLE: Consultant SIGNATURE: \_\_\_\_\_

<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Sanitary Wastewater	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revise BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Equipment Maintenance	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revise BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Erosion Control	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revise BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
<b>POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA</b> (as identified in your SWPPP)  Hotel/Restaurant	<b>HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	If yes, to either question, complete the next two columns of this form	<b>Describe deficiencies in BMPs or BMP implementation</b>	<b>Describe additional/revise BMPs or corrective actions and their date(s) of implementation</b>
	<b>ARE ADDITIONAL/REVISED BMPs NECESSARY?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			

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Written Responses

**Item E. 2.** – No. The first rain event (September 25, 2014) occurred outside of facility operating hours. Many outfalls are ordinarily submerged and can only be sampled at low tide. Some analyses have short hold times and so samples cannot be collected on a Friday due to laboratory operating hours. Sampling events are performed at times when there is both discharge and low tide during facility operating hours and not on Fridays.

**Item E. 5.** – Yes. A field survey of storm water outfalls at the Oyster Point Marina and Park was completed in December 2000. There are a total of 37 surface water drainage outfalls at the former landfill, as shown on Figure 1. Of these, 10 are considered to be major outfalls because they drain relatively large areas. The 10 major outfalls are identified as numbers 2, 3, 9, 16, 24, 27, 28, 29, 30 and 34.

The 10 major outfalls drain six discrete areas of the former landfill: the west basin parking area, the east basin parking area, the maintenance yard parking area, the existing hotel and office complex, Marina Blvd., and undeveloped open space. Storm water from the 10 outfalls is composited into representative samples from these six areas as follows:

Outfalls 2 and 3	The east basin parking and maintenance yard areas
Outfall 9	The eastern portion of Marina Blvd.
Outfall 16	Undeveloped open space
Outfalls 24 and 27	The western portion of Marina Blvd.
Outfalls 28 and 29	Existing hotel and office complex
Outfalls 30 and 34	The west basin parking area

Outfall 16 drains a large grassy area on the southeastern end of the former landfill. Based on observations made, the area generates little to no runoff. In addition there are no industrial activities conducted in this portion of the former landfill. The area is open space and contaminants are not expected. Outfall 16 was therefore eliminated from the storm water sampling program as outlined in Addendum 1, dated August 2001, to the September 2000 Storm Water Pollution Prevention and Monitoring Plan.

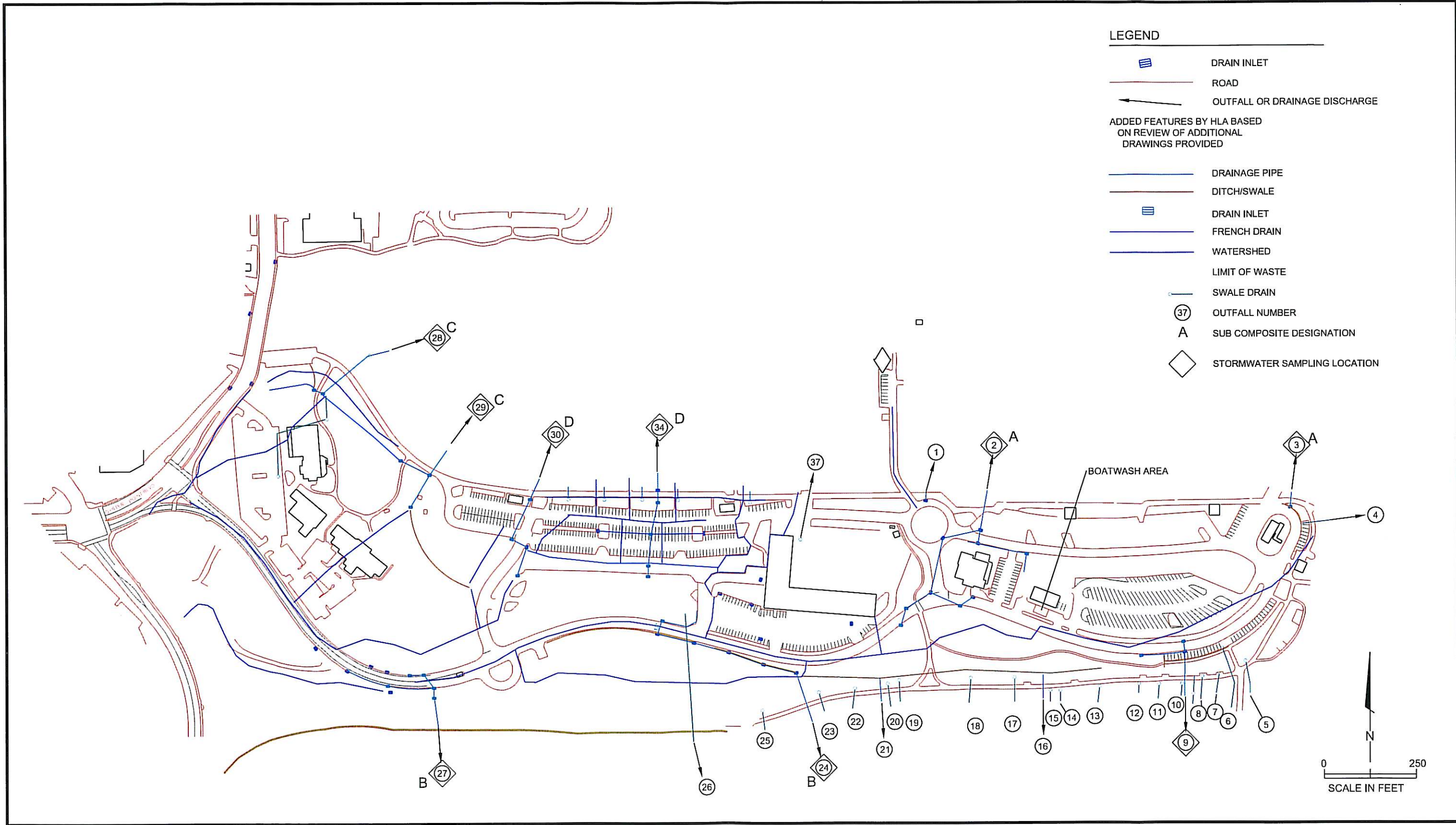
**Item E. 6.** – No. Sample collection activities were all started as soon as possible after the storm event began during facility operating hours; however, it takes several hours to collect all samples and most must be collected during low tide (see Item E. 2.).

**Item E. 7.** – No. The December 2 event storm began on Sunday November 30 (non-facility operating day) with little to no rain on Monday, December 1.

**Item E. 10.** – The analytical program includes constituents included in the General Permit, Table D and in RWQCB Order 00-046. All parameters listed in Table D for

landfills and water transportation facilities were analyzed. In 2004, the City eliminated analysis for SVOCs and VOCs, which are included in the Order, because they had historically not been detected or were not detected in over two years of monitoring storm water events. The SWPPP was modified to eliminate SVOCs and VOCs from the program.

**Item E. 11** The analytical results from the two stormwater sampling events are summarized on attached Form 1. Nitrate nitrogen was found at concentrations exceeding the EPA benchmark value of 0.75 mg/L in 8 of 10 samples. Chloride was found in 1 of 10 samples at a concentration above its benchmark of 860 mg/L. Aluminum was found in 4 of 10 samples at a concentration above its benchmark of 750 ug/L. Most monitored outfalls include at least some drainage from landscaped areas and the presence of nitrate nitrogen may be associated with fertilizers. The City has reported these detections with the Harbor District who maintains landscaping for their evaluation of the fertilizer application.



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**Stormwater Outfall Map**  
 Stormwater Annual Report 2007-2008  
 Oyster Point Landfill  
 South San Francisco, California

Figure  
**1**