Williams Petroleum Services, LLC
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April 27, 2007

Mr. Kenneth Herstowski
Environmental Protection Agency
901 N. Fifth Street
Kansas City, Kansas 66101

Re: Quarterly Update – 1st Quarter 2007
Former Augusta Refinery (FAR) RCRA Facility Investigation (RFI)
Williams Petroleum Services, LLC
Augusta Kansas – KSD007235138

Dear Mr. Herstowski:

This letter is offered as the report of investigation activities at the Former Augusta Refinery in accordance with Section X, "Reporting," of the Administrative Order on Consent dated October 24, 2003, Docket No. RCRA-07-2004-0009. This report addresses activities occurring during the period of January 1 through March 31, 2007.

Description of Activities

The following field activities were completed in accordance with respective Sampling and Analysis Plans (SAPs):

- February 6 through March 6, completed soil sampling and installation of temporary monitor wells at Areas of Concern (AOCs) A (Oil Collection Pond), C (Former Pond Areas), E (Sludge Pond), F (Surface Staining), and G (Liquid Fuel Burning Facility Area).
- March 2 through March 9, completed installation, well development, and sampling of temporary monitor wells at Solid Waste Management Units (SWMUs) 10 (Effluent Oxidation Pond), 11 (Rainfall Runoff Storage Pond), and 13 (Oil Skimming Pond).
- On March 21, initiated surface soil (composite screening) sampling of AOC 5 (Leaded Tank Bottom Disposal Areas).

Summary of All Findings

An investigation progress summary for SWMU 10 (Effluent Oxidation Pond), SWMU 11 (Rainfall Runoff Storage Pond), SWMU 13 (Oil Skimming Pond), and SWMU 14 (Levee Pond); and AOCs A, C, E, F, and G is included as ***Table 1***.

Summaries of All EPA Approved Changes

None

Summaries of All Contacts

- On January 16, 2007, via e-mail EPA indicated no objection to the implementation of the SAP for AOCs A, C, E, F, and G.
- On January 31, 2006 the quarterly update for the 4th quarter of 2006 was submitted to EPA.
- On February 13, 2007, the SAP for AOC 5 was submitted to EPA for review and approval.
- On February 26, 2007, via e-mail EPA approved implementation of the AOC 5 SAP.

A meeting was held at the offices of EPA Region 7 on March 27, 2007 to discuss the current status of field activities at the FAR. Attendees included representatives of Williams and Exxon-Mobil. A RCRA Facility Investigation Update was presented to summarize data obtained during investigations at AOC 1 (Surface Water Drainage Ditches); Process Areas 1, 2, and 3; SWMUs 3 (West Landfarm), 4 (East Landfarm); SWMU 10 (Effluent Oxidation Pond), SWMU 11 Rainfall Runoff Storage Pond); SWMU 12 (API Separator), SWMU 13 (Oil Skimming Pond), SWMU 14 (Levee Pond), and SWMU 16 (Oily Water Sewer System); along with the additional sampling data collected at SWMU 4, AOC 4 (Spills at Truck and Rail Loading Racks), and AOC 6 (Tetra-ethyl Lead Storage Tanks). Discussions also included the RFI schedule, Human Health Risk Assessment planning, reporting, and EPA's Environmental Indicators.

Summaries of Problems Encountered

None

Actions to Rectify Problems

None

Changes in key project entities

None

Projected Work for the Next Reporting Period

SAPs for the following units will be developed during the second quarter of 2007 for subsequent submittal to EPA:

- AOC B – Former Landfill North of Effluent Oxidation Pond
- AOC D – Asphaltic Material Disposal Area
- Addendum to SAP for SWMU 8, 9, and 17.
- Groundwater – Site-wide

Field investigations for the following units will be performed or initiated during the next reporting period:

- SWMU 17 – Asphalt Landfill
- SWMUs 8 and 9 – East Landfill and Industrial Landfill
- AOC B – Former Landfill North of Effluent Oxidation Pond

- AOC D – Asphaltic Material Disposal Area.

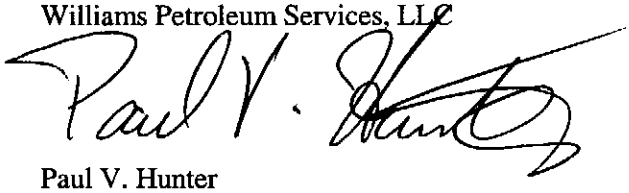
Other Relevant Documentation

None

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to evaluate the information submitted. I certify that the information contained in or accompanying this submittal is true, accurate, and complete. As to those identified portion(s) of this submittal for which I cannot personally verify the accuracy, I certify that this submittal and all attachments were prepared in accordance with the procedures designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, or the immediate supervisor of such person(s), 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.

Please provide all written correspondence regarding this Quarterly Update directly to Mr. Phil Roberts with Williams Petroleum Services, LLC. If you have any questions, do not hesitate to contact Mr. Roberts at (918) 573-0757.

Sincerely,
Williams Petroleum Services, LLC



Paul V. Hunter
Vice President
Williams Petroleum Services, LLC

Enclosures

c: Mark deLorimier, Shaw Environmental, Inc.
David Way, Shaw Environmental, Inc.

Table 1
FAR Facility Investigation Progress Summary
Former Augusta Refinery, Augusta, Kansas
Quarterly Status Report: 1st Quarter 2007

AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
AOC A	02/06/07 - 03/06/07	▪ **Arsenic** concentrations in ten surface soil samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in three surface soil samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 6.9 to 10.8 mg/kg. A statistic evaluatioin of Arsenic concentrations in surface soil is in progress and will include a geochemical evaluation if needed.	▪ **Benzene** concentrations in five subsurface soil samples were greater than the Region 9 PRG DAF 1 [(1)] (0.002 mg/kg), ranging from 0.0031 to 0.427 mg/kg.	**TBD**	▪ **Benzene** will be retained as a COPC for subsurface soil in this Unit for leaching to groundwater.
Total samples collected: ten surface samples, ten subsurface samples, and three groundwater samples. **Complete results of groundwater sample analyses are not yet available for AOC A.**					

[(1)] Benzene was detected in the groundwater at AOC A above the Region 9 PRG for tap water value and therefore benzene concentrations in surface and subsurface soil were also screened against the Region 9 PRG DAF1 values.

Table 1
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Former Augusta Refinery, Augusta, Kansas
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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
AOC C	02/06/07 - 03/06/07	▪ **Organic lead** concentrations in two surface soil samples were greater than the Region 9 PRG direct soil exposure (0.062 mg/kg), with results of 0.064 and 0.065 mg/kg.	▪ **Benzene** concentrations in five subsurface soil samples were greater than the Region 9 PRG DAF 1 [(1)] (0.002 mg/kg), ranging from 0.0138 to 59.1 mg/kg.	▪ **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 µg/L) in groundwater samples from all three temporary wells in AOC C, ranging from 23.7 to 56.0 µg/L.	▪ Additional sampling for **organic lead** in surface soil will be completed for extent determination.
Total samples collected: ten surface samples, ten subsurface samples, and three groundwater samples.		▪ **Arsenic** concentrations in all ten surface samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in five surface samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 6.1 to 13.0 mg/kg. A statistic evaluatioin of Arsenic concentrations in surface soil is in progress and will include a geochemical evaluation if needed.	▪ **Xylene** concentrations in two subsurface soil samples were greater than the Region 9 PRG DAF 1 [(1)] (10 mg/kg), with reported results of 11.6 and 460 mg/kg.	▪ **Benzene** concentrations were greater than Region 9 PRG for tap water value (0.35 µg/L) in groundwater samples from three of the temporary wells in AOC C with reported results ranging from 41.2 to 194 µg/L.	▪ **Benzene, xylene, ethyl benzene, and toluene** will be retained as a COPC for subsurface soil in this Unit for leaching to groundwater.
			▪ **Ethyl benzene** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 20 (13 mg/kg) at a reported concentration of 83.2 mg/kg.	▪ **Xylene** concentration was greater than Region 9 PRG for tap water value (210 µg/L) in a groundwater sample from one of the temporary wells in AOC C with a reported result of 296 µg/L.	▪ **Arsenic, benzene, xylene, and napthalene** will be retained as COPC for groundwater in this Unit.
			▪ **Toluene** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 20 (12 mg/kg) at a reported concentration of 386 mg/kg.	▪ **Naphthalene** concentrations were greater than Region 9 PRG for tap water value (6.2 µg/L) in groundwater samples from three of the temporary wells in AOC C with reported results ranging from 11.3 to 21.0 µg/L.	▪ Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.

[(1)] Benzene, xylene, and naphthalene were detected in the groundwater at AOC C above the Region 9 PRG for tap water value and therefore benzene, xylene, and naphthalene concentrations in surface and subsurface soil were also screened against the Region 9 PRG DAF1 values.

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
AOC E	02/06/07 - 03/06/07	• **Organic lead** concentrations in four surface soil samples were greater than Region 9 PRG direct soil exposure PRG (0.062 mg/kg) with reported results ranging from 0.110 to 0.190 mg/kg.	• **Benzene** concentrations in five subsurface soil samples were greater than the Region 9 PRG DAF 1 [(1)] (0.002 mg/kg), ranging from 0.0053 to 4.92 mg/kg.	• **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 µg/L) in groundwater samples from all three temporary wells in AOC E, ranging from 29.2 to 82.4 µg/L.	• Additional sampling for **organic lead** in surface soil will be completed for extent determination.
Total samples collected: ten surface samples, ten subsurface samples, and three groundwater samples.		• **Arsenic** concentrations in all ten surface samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in six surface soil samples were greater than the 95 percent UCL of the mean background concentration (6.05 mg/kg) with reported results ranging from 6.3 to 11.4 mg/kg. A statistic evaluatioin of Arsenic concentrations in surface soil is in progress and will include a geochemical evaluation if needed.	• **Naphthalene** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 1 [(1)] (4.0 mg/kg) at a reported concentration of 5.29 mg/kg.	• **Benzene** concentrations were greater than Region 9 PRG for tap water value (0.35 µg/L) in groundwater samples from two of the temporary wells in AOC E with reported results of 505 and 1,910 µg/L.	• **Benzene and naphthalene** will be retained as a COPC for subsurface soil in this Unit for leaching to groundwater.
				• **Xylene** concentrations were greater than Region 9 PRG for tap water value (210 µg/L) in groundwater samples from two of the temporary wells in AOC E with reported results of 314 and 416 µg/L.	• **Arsenic, benzene, xylene, and napthalene** will be retained as COPC for groundwater in this Unit.
				• **Naphthalene** concentrations were greater than Region 9 PRG for tap water value (6.2 µg/L) in groundwater samples from three of the temporary wells in AOC E with reported results ranging from 10 to 156 µg/L.	• Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.

[(1)] Benzene, xylene, and naphthalene were detected in the groundwater at AOC E above the Region 9 PRG for tap water value and therefore benzene, xylene, and naphthalene concentrations in surface and subsurface soil were also screened against the Region 9 PRG DAF1 values.

Table 1
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Former Augusta Refinery, Augusta, Kansas
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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	**Subsurface Soil**	**Groundwater**	
AOC F	02/06/07 - 03/06/07	▪ **Organic lead** concentrations in two surface soil samples were greater than Region 9 PRG direct soil exposure (0.062 mg/kg) with reported results of 0.510 and 0.790 mg/kg.	▪ **Benzene** concentrations in seven subsurface soil samples were greater than Region 9 PRG DAF1[(1)] (0.002 mg/kg) ranging from 0.0076 to 0.729 mg/kg.	▪ **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 µg/L) in groundwater samples from all three temporary wells in AOC F, ranging from 7.3 to 72.2 µg/L.	▪ Additional sampling for **organic lead** and **2-methyl naphthalene** in surface soil will be completed for extent determination.
Total samples collected: ten surface samples, ten subsurface samples, and three groundwater samples.		▪ **Arsenic** concentrations in all ten surface soil samples were greater than Region 9 direct soil exposure PRG. **Arsenic** concentrations in four surface soil samples were also greater than the 95 percent UCL of the mean background concentration (6.05 mg/kg), ranging from 6.1 to 7.4 mg/kg. A statistic evaluatioin of Arsenic concentrations in surface soil is in progress and will include a geochemical evaluation if needed.	▪ **2-Methyl naphthalene** concentrations in two subsurface soil samples were greater than Region 9 PRG DAF1[(1)] (3.9 mg/kg) at reported concentrations of 8.90 and 39.4 mg/kg.	▪ **Benzene** concentrations were greater than Region 9 PRG for tap water value (0.35 µg/L) in groundwater samples from all three temporary wells in AOC F, ranging from 0.69 to 910 µg/L.	▪ **Benzene, 2-methyl naphthalene, and naphthalene** will be retained as COPC's for subsurface soil in this Unit for leaching to groundwater.
		▪ **2-Methyl naphthalene** concentration in one surface soil sample was greater than Region 9 PRG DAF1[(1)] (3.9 mg/kg) at reported concentration of 5.35 mg/kg.	▪ **Naphthalene** concentrations in two subsurface soil samples were greater than Region 9 PRG DAF1 [(1)] (4.0 mg/kg) at a reported concentrations of 6.14 and 35.5 mg/kg.	▪ **Vinyl chloride** concentration was greater than Region 9 PRG for tap water value (0.02 µg/L) in a groundwater sample from one of the temporary wells in AOC F with a reported result of 1.3 µg/L.	▪ **Arsenic, benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene** will be retained as COPC for groundwater in this Unit.
				▪ **2-Methyl naphthalene** concentrations were greater than Region 9 PRG for tap water value (150 µg/L) in groundwater samples from two of the temporary wells in AOC F with reported concentrations of 201 and 707 µg/L.	▪ Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
				• **Naphthalene** concentrations were greater than Region 9 PRG for tap water value (6.2 µg/L) in groundwater samples from all three of the temporary wells in AOC F, ranging from 13.0 to 601 µg/L.	

[1] Benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene were detected in the groundwater at AOC F above the Region 9 PRG for tap water value and therefore benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene concentrations in surface and subsurface soil were also screened against the Region 9 PRG DAF1 values.

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
AOC G	02/06/07 - 03/06/07	▪ **Organic lead** concentrations in four surface soil samples were greater than Region 9 PRG direct soil exposure (0.062 mg/kg) with reported results ranging from 0.110 to 0.960 mg/kg.	▪ **Benzene** concentrations in seven subsurface soil samples were greater than Region 9 PRG DAF1[(1)] (0.002 mg/kg) ranging from 0.0027 to 0.600 mg/kg.	▪ **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 µg/L) in groundwater samples in the two temporary wells in AOC G, with reported results of 9.9 and 63.9 µg/L.	▪ Additional sampling for **organic lead** and **2-methyl naphthalene** in surface soil will be completed for extent determination.
Total samples collected: ten surface samples, ten subsurface samples, and two groundwater samples. One of the temporary monitoring wells was not sampled because it contained 0.01 feet of separate phase hydrocarbons.		▪ **Arsenic** concentrations in all ten surface soil samples were greater than Region 9 direct soil exposure PRG. **Arsenic** concentrations in six surface soil samples were also greater than the 95 percent UCL of the mean background concentration (6.05 mg/kg), ranging from 6.1 to 13.2 mg/kg. A statistic evaluatioin of Arsenic concentrations in surface soil is in progress and will include a geochemical evaluation if needed.	▪ **Vinyl chloride** concentration in one subsurface soil sample was greater than Region 9 PRG DAF1 [(1)] (0.0007 mg/kg) at a reported concentration of 0.151 mg/kg.	▪ **Benzene** concentrations were greater than Region 9 PRG for tap water value (0.35 µg/L) in groundwater samples in the two temporary wells in AOC G, with reported results of 18.1 and 247 µg/L.	▪ **Benzene, vinyl chloride, 2-methyl naphthalene, naphthalene, 1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethylene** will be retained as COPC's for subsurface soil in this Unit for leaching to groundwater.
		▪ **2-Methyl naphthalene** concentration in one surface soil sample was greater than Region 9 PRG DAF1[(1)] (3.9 mg/kg) at reported concentration of 6.81 mg/kg.	▪ **2-Methyl naphthalene** concentrations in three subsurface soil samples were greater than Region 9 PRG DAF1[(1)] (3.9 mg/kg) ranging from 5.17 to 45.2 mg/kg.	▪ **Vinyl chloride** concentration was greater than Region 9 PRG for tap water value (0.02 µg/L) in a groundwater sample from one of the temporary wells in AOC G with a reported result of 0.49 µg/L.	▪ **Arsenic, benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene** will be retained as COPC's for groundwater in this Unit.
			▪ **Naphthalene** concentrations in two subsurface soil samples were greater than Region 9 PRG DAF1 [(1)] (4.0 mg/kg) at a reported concentrations of 4.98 and 5.85 mg/kg.	▪ **2-Methyl naphthalene** concentration was greater than Region 9 PRG for tap water value (150 µg/L) in a groundwater sample from one of the temporary wells in AOC G with a reported result of 199 µg/L.	▪ Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Surface Soil	Subsurface Soil	Groundwater	
			• **1,1,1-trichloroethane** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 20 (2.0 mg/kg) at a reported concentrationof 131 mg/kg.	• **Naphthalene** concentration was greater than Region 9 PRG for tap water value (6.2 µg/L) in a groundwater sample from one of the temporary wells in AOC G with a reported result of 223 µg/L.	
			• **1,1-Dichloroethane** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 20 (23 mg/kg) at a reported concentration of 24.4 mg/kg.		
			• **1,1-Dichlroethylene** concentration in one subsurface soil sample was greater than the Region 9 PRG DAF 20 (0.06 mg/kg) at a reported concentration of 14.4 mg/kg.		

(1) Benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene were detected in the groundwater at AOC G above the Region 9 PRG for tap water value and therefore benzene, vinyl chloride, 2-methyl naphthalene, and naphthalene concentrations in surface and subsurface soil were also screened against the Region 9 PRG DAF1 values.

Table 1
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Former Augusta Refinery, Augusta, Kansas
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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Sediment	Surface Water	Groundwater	
SWMU 10	12/12/06 - 03/09/07	• **Arsenic** concentrations in ten sediment samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in eight sediment samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 7.9 to 50.8 mg/kg. A statistic evaluatioin of Arsenic concentrations in sediment is in progress and will include a geochemical evaluation if needed.	• **Total arsenic** concentrations were less than EPA MCL value (10 ug/L) in surface water samples from all ten samples collected in SWMU 10, ranging from 3.9 to 7.8 ug/L.	• **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 ug/L) in groundwater samples from the three temporary wells sampled, ranging from 7.4 to 11.1 ug/L. The fourth temporary well was dry.	• Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.
Total samples collected: Ten sediment samples, ten surface water samples. Four temporary monitoring wells were installed around SWMUs 10, 11, and 13.				• **Benzene** concentration was greater than Region 9 PRG for tap water value (0.35 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 82.5 ug/L.	
				• **Naphthalene** concentration was greater than Region 9 PRG for tap water value (6.2 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 58.5 ug/L.	

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Sediment	Surface Water	Groundwater	
SWMU 11	12/12/06 - 03/09/07	▪ **Arsenic** concentrations in ten sediment samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in three sediment samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 6.6 to 7.4 mg/kg. A statistic evaluatioin of **Arsenic** concentrations in sediment is in progress and will include a geochemical evaluation if needed.	▪ **Total arsenic** concentrations were less than EPA MCL value (10 ug/L) in surface water samples from all ten samples collected in SWMU 11, ranging from 2.5 to 4.2 ug/L.	▪ **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 ug/L) in groundwater samples from the three temporary wells sampled, ranging from 7.4 to 11.1 ug/L. The fourth temporary well was dry.	▪ Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.
Total samples collected: Ten sediment samples, ten surface water samples. Four temporary monitoring wells were installed around SWMUs 10, 11, and 13.				▪ **Benzene** concentration was greater than Region 9 PRG for tap water value (0.35 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 82.5 ug/L.	
				▪ **Naphthalene** concentration was greater than Region 9 PRG for tap water value (6.2 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 58.5 ug/L.	

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Sediment	Surface Water	Groundwater	
SWMU 13	12/12/06 - 03/09/07	▪ **Arsenic** concentrations in ten sediment samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in eight sediment samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 6.3 to 13.2 mg/kg. A statistic evaluatioin of **Arsenic** concentrations in sediment is in progress and will include a geochemical evaluation if needed.	▪ **Total arsenic** concentrations were less than EPA MCL value (10 ug/L) in surface water samples from all ten samples collected in SWMU 13, ranging from 3.5 to 6.2 ug/L.	▪ **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 ug/L) in groundwater samples from the three temporary wells sampled, ranging from 7.4 to 11.1 ug/L. The fourth temporary well was dry.	▪ **Benzene** and **naphthalene**, will be retained as COPC's for groundwater in SWMU 13.
Total samples collected: Ten sediment samples, ten surface water samples. Four temporary monitoring wells were installed around SWMUs 10, 11, and 13.				▪ **Benzene** concentration was greater than Region 9 PRG for tap water value (0.35 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 82.5 ug/L.	▪ Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.
				▪ **Naphthalene** concentration was greater than Region 9 PRG for tap water value (6.2 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 58.5 ug/L.	

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AOC / SWMU ID	Investigation Dates	Results			Actions Planned
		Sediment	Surface Water	Groundwater	
SWMU 14	12/12/06 - 03/09/07	• **Arsenic** concentrations in ten sediment samples were greater than Region 9 direct soil exposure PRG (1.6 mg/kg). **Arsenic** concentrations in eight sediment samples were also greater than the 95 percent UCL of the mean background concentration for **arsenic** (6.05 mg/kg), ranging from 9.4 to 16.1 mg/kg. A statistic evaluatioin of **Arsenic** concentrations in sediment is in progress and will include a geochemical evaluation if needed	• **Total arsenic** concentrations were less than EPA MCL value (10 ug/L) in surface water samples from all ten samples collected in SWMU 14, ranging from 3.2 to 4.6 ug/L.	• **Dissolved arsenic** concentrations were greater than Region 9 PRG for tap water value (0.045 ug/L) in groundwater samples from the three temporary wells sampled, ranging from 7.4 to 11.1 ug/L. The fourth temporary well was dry.	• Groundwater data will be used for consideration of additional well placement when the groundwater is investigated site wide.
Total samples collected: Ten sediment samples, ten surface water samples. Four temporary monitoring wells were installed around SWMUs 10, 11, and 13.				• **Benzene** concentration was greater than Region 9 PRG for tap water value (0.35 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 82.5 ug/L.	
				• **Naphthalene** concentration was greater than Region 9 PRG for tap water value (6.2 ug/L) in a groundwater sample from one of the temporary wells (SWMU 13-A) at a reported concentration of 58.5 ug/L.	