



Transmittal

Sent Via: Messenger U.S. Mail Overnight Mail

Date: October 15, 2010 **From:** Vladimir Carino
To: Mr. Paul Cho CH2M HILL
California Regional Water Quality 6 Hutton Centre Drive, Suite 700
Control Board – Los Angeles Santa Ana, CA 92707
Region (RWQCB)
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Remediation System Operational Status, September 2010
Project Name: Defense Fuel Support Point (DFSP) Norwalk

Item	Description
1	Table 1 – Remediation Well Construction and Status

Remarks

On behalf of SFPP, L.P., an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), CH2M HILL is transmitting this monthly remediation system operational status for September 2010. As requested in the RWQCB's July 20, 2010 e-mail, this status report includes the following:

1. Groundwater and soil vapor extracted from individual wells for treatment
2. Treated groundwater discharged under NPDES
3. System down time, wells affected, and reason for downtime.

A summary of remediation wells in the south-central, southeastern, and West Side Barrier areas is presented in Table 1. Table 1 includes well identifications, well construction details, well use, and operational status at the end of September 2010. Operational status and maintenance of the system is briefly discussed below.

Tasks performed for operation and maintenance of the remediation systems during the reporting period included:

- Weekly maintenance and monitoring of the south-central and southeastern SVE, TFE/GWE, and soil vapor and groundwater treatment systems (collectively referred to as remediation systems);
- Inspection of groundwater extraction pumps;
- Collection and analysis of treatment system influent soil vapor and groundwater samples;
- Collection and analysis of treatment system effluent soil vapor and water samples; and
- Troubleshooting of the SVE system.

During the reporting period, remediation system inspections were performed on a weekly basis and volumes of extracted groundwater, hours of operation, and other system parameters were

recorded on an approximately weekly basis during system operation.

Soil Vapor Extraction and Treatment System

The SVE system was operational for approximately 376 hours (58% uptime) during September 2010. The SVE system was down for part of September due to multiple high temperature alarms. KMEP technicians and the remediation system contractor will continue to troubleshoot this issue until it is resolved. Repairs to the SVE dilution and process valves were conducted on September 7 and September 21, 2010. In addition, the catalytic oxidizer beds were cleaned to increase overall destruction efficiency of the SVE system.

Total Fluids and Groundwater Extraction and Treatment System

TFE/GWE wells that were in operation during September 2010 include GMW-O-11, GMW-22, MW-O-2, MW-SF-11, MW-SF-12, MW-SF-13, MW-SF-14, MW-SF-15, and MW-SF-16 in the south-central area; and wells GMW-O-15, GMW-O-18, and GMW-36 in the southeastern area. Additional TFE/GWE wells will be brought online as needed.

Groundwater extracted, treated, and discharged under the NPDES permit in September 2010 was as follows:

- Groundwater extracted from the south-central area wells: 207,418 gallons
- Groundwater extracted from the southeastern area wells: 272,694 gallons
- Treated groundwater discharged under NPDES: 480,112 gallons

The TFE/GWE and SVE wells were shut down from September 27, 2010 through September 30, 2010 to allow groundwater levels to reach static conditions prior to the Second Semiannual Groundwater Sampling Event, scheduled for early October 2010.

Please contact Vladimir Carino at 714.435.6017 if you have any questions.

Distribution List

Mr. Steve Defibaugh, KMEP
Commander, DESC Americas West, DESC
Mr. Kola Olowu, DESC
Mr. Redwan Hassan, Parsons
Ms. Mary Lucas, Parsons
Ms. Mary Jane McIntosh, RAB
Dr. Eugene Garcia, RAB
Mr. Bob Hoskins, RAB
Ms. Tracy Winkler, RAB

Ms. Nancy Matsumoto, WRD
Ms. Minxia Dong, Norwalk Regional Library
Ms. Adriana Figueroa, City of Norwalk
Mr. Norman Dupont, Richards/Watson/Gershon
Mr. Charles Emig, City of Cerritos
Office of Congresswoman Grace F. Napolitano
Mr. Tim Whyte, URS
Mr. Mark Wuttig, CH2M HILL

**TABLE 1
REMEDIATION WELL CONSTRUCTION AND STATUS**

SFPP, L.P.
Defense Fuel Support Point Norwalk
Norwalk, California

Remediation Area	Remediation Well ID	Installation Date	Top of Well Casing Elevation (ft msl)	Well Screen Interval (ft bgs)	Remediation Well Function	Well Operation Status on September 21, 2010 ¹
South-Central	MW-SF-1	6/18/1990	78.93	25 - 40	SVE	OFF
	MW-SF-2	6/18/1990	78.53	25 - 40	SVE; TFE	OFF; OFF
	MW-SF-3	6/18/1990	78.12	25 - 40	SVE; TFE	ON; OFF
	MW-SF-4	6/19/1990	79.38	25 - 40	SVE	OFF
	MW-SF-5	9/19/1990	79.74	23 - 38	SVE	OFF
	MW-SF-6	9/19/1990	76.80	25 - 40	SVE; TFE	OFF; OFF
	MW-SF-9	6/15/1995	74.10	--	SVE	OFF
	MW-SF-10	9/23/2003	76.53	10 - 30	SVE	ON
	MW-SF-11	6/19/2007	78.56	20 - 40	SVE; TFE	OFF; ON
	MW-SF-12	6/18/2007	78.07	20 - 40	SVE; TFE	ON; ON
	MW-SF-13	6/19/2007	73.40	20 - 40	SVE; TFE	OFF; ON
	MW-SF-14	6/21/2007	78.16	20 - 40	SVE; TFE	OFF; ON
	MW-SF-15	6/21/2007	78.27	20 - 40	SVE; TFE	ON; ON
	MW-SF-16	6/20/2007	78.21	20 - 40	SVE; TFE	ON; ON
	GMW-9	7/8/1991	74.44	20 - 50	SVE; TFE	OFF; OFF
	GMW-10	7/8/1991	74.67	25 - 50	SVE	OFF
	GMW-22	8/2/1991	74.17	25 - 60	SVE; TFE	OFF; ON
	GMW-24	8/5/1991	74.04	25 - 60	SVE; TFE	OFF; OFF
	GMW-25	1/10/1992	74.29	20 - 50	SVE; GWE	OFF; OFF
	GWR-3	1/10/1992	74.93	20 - 50	SVE; GWE	ON; OFF
	VEW-1	--	--	--	SVE	ON
	VEW-2	--	--	--	SVE	ON
	MW-O-1	1/22/1991	75.48	25 - 40	SVE; TFE	ON; OFF
	MW-O-2	1/23/1991	71.90	25 - 40	SVE; TFE	ON; ON
	GMW-O-11	5/20/1992	74.17	20 - 50	SVE; TFE	ON; ON
	GMW-O-12	5/21/1992	73.49	20 - 50	SVE	ON
GMW-O-20	6/15/1995	73.32	--	SVE; TFE	ON; OFF	
GMW-O-21	10/1/1997	71.43	26 - 46	TFE	OFF	
GMW-O-23	6/25/2007	73.63	20 - 40	SVE; TFE	ON; OFF	
MW-18 (MID)	6/10/1991	75.67	50 - 60	SVE	OFF	
HW-2	--	--	--	SVE	OFF	
Southeastern	GMW-O-15	4/19/1994	74.23	20 - 50	SVE; TFE	ON; ON
	GMW-O-18	7/25/1994	74.36	21 - 40	SVE; TFE	ON; ON
	GMW-36	4/11/1994	74.53	20 - 50	TFE	ON
	GMW-SF-9	4/1/2003	73.00	37 - 46	GWE	OFF
	GMW-SF-10	4/2/2003	75.77	37 - 46	GWE	OFF
West Side Barrier	BW-2	5/20/1996	73.57	27 - 47	GWE	OFF
	BW-3	5/17/1996	74.16	31 - 50	GWE	OFF
	BW-4	5/20/1996	74.61	28 - 47	GWE	OFF
	BW-5	5/23/1996	73.59	27 - 46	GWE	OFF
	BW-6	5/22/1996	73.48	28 - 47	GWE	OFF
	BW-7	5/22/1996	74.65	27 - 46	GWE	OFF
	BW-8	5/21/1996	75.08	27 - 46	GWE	OFF
	BW-9	5/21/1996	76.19	27 - 46	GWE	OFF

Notes

1. The well operations listed correspond to the well functions indicated in the previous column. Based on information provided by SFPP, L.P.

Abbreviations

-- = information not available
ft msl = feet above mean sea level based on the National Geodetic Vertical Datum of 1929.
ft bgs = feet below ground surface
GWE = groundwater extraction
SVE = soil vapor extraction
TFE = total fluids extraction