Appendix B
Well Purging and Sampling Records – April 2010 Monthly Monitoring Event

WELL GAUGING DATA

Project # 100416-CD1 Date 04-16-10 Client KMEP

Site 15306 Norwalk Blvd. Norwalk

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
GMW-0-19	0715	4					25.30	40.05		
GMW-0-16	0805	4					25.20	48.85		
PZ-5	0840	4					25.12	38.15		
GMW-0-15	0938	4					23.10	45.55		*
GMW-0-18	1030	4					24.25	37.48		*
GMW-36	1105	4					26.90	49.95	TOC	*

* = Removed Extraction Pump Prior to gauging

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100446-01	Client: KMEP
Sampler: CJ	Start Date: 04-16-10
Well I.D.: GMW-0-15	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 45.55	Depth to Water: Pre: 23.10 Post: 24.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump

Sampling Method: ~~Dedicated Tubing~~ (New Tubing) Other ___

Flow Rate: 200 mL/min Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0945	22.4	7.3	2567	80	1.7	-107.9	600	odor/24.01
0948	22.4	7.3	2571	77	1.1	-135.8	1200	24.12
0951	22.7	7.3	2580	70	1.0	-160.9	1800	24.15
0954	22.8	7.3	2584	67	1.0	-162.1	2400	24.18
0957	22.8	7.3	2586	68	1.0	-167.3	3000	24.18

Did well dewater? Yes (No) Amount actually evacuated: 3L

Sampling Time: 1002 Sampling Date: 04-16-10

Sample I.D.: GMW-0-15 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100416-D1	Client: KMEP
Sampler: D	Start Date: 04-16-10
Well I.D.: GMW-O-16	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 48.85	Depth to Water: Pre: 25.20 Post: 25.47
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___
Flow Rate: 200 mL/Min Pump Depth: 43.85

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0810	20.3	7.4	1852	8	1.7	124.7	600	25.35
0813	21.0	7.4	1898	7	1.7	124.5	1200	25.40
0816	21.4	7.4	1898	7	1.5	123.5	1800	25.42
0819	21.5	7.4	1898	5	1.5	123.2	2400	25.43
0822	21.5	7.4	1899	6	1.4	122.8	3000	25.47

Did well dewater? Yes (No) Amount actually evacuated: 3L
Sampling Time: 0825 Sampling Date: 04-16-10
Sample I.D.: GMW-O-16 Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100416-CD1	Client: KMEP
Sampler: CD	Start Date: 04-16-10
Well I.D.: GMW-O-18	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 37,48	Depth to Water: Pre: 24.25 Post: 24,42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____
Flow Rate: 200 mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1038	20.3	7.3	2685	70	1,6	-75.4	600	24,40
1041	20.5	7,3	2648	63	1,4	-83.9	1200	24,42
1044	21.0	7,3	2600	61	1,2	-97,3	1800	24,42
1047	21.0	7.3	2596	60	1.1	-98.3	2400	24,42
1050	21,1	7,3	2589	64	1,1	-100.4	3000	24,42

Did well dewater? Yes (No) Amount actually evacuated: 3L
Sampling Time: 1055 Sampling Date: 04-16-10
Sample I.D.: GMW-O-18 Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C
Equipment Blank I.D.: @ Time Duplicate I.D.: DUP-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100416-CD1	Client: KMEP
Sampler: CD	Start Date: 04.16.10
Well I.D.: GMW-O-19	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 40.05	Depth to Water: Pre: 25.30 Post: 25.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other____
Flow Rate: 200 mL/min Pump Depth: 35.05

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0740	20.1	7.1	1561	16	3.1	148.7	600	25.60
0743	20.6	7.2	1710	2	2.4	148.5	1200	25.66
0746	21.6	7.2	1806	2	2.0	143.5	1800	25.62
0749	21.9	7.3	1810	2	2.0	140.9	2400	25.62
0752	22.0	7.3	1812	1	2.0	140.3	3000	25.62

Did well dewater? Yes (No) Amount actually evacuated: 3L
Sampling Time: 0755 Sampling Date: 04-16-10
Sample I.D.: GMW-O-19 Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100416-01	Client: KMEP
Sampler: CD	Start Date: 04-16-10
Well I.D.: GMW-36	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 49.95	Depth to Water: Pre: 26.90 Post: 26.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ____
Flow Rate: 200 mL/min Pump Depth: 44.95

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1115	23.1	7.3	2732	46	1.2	-125.7	600	26.90
1118	23.2	7.3	2733	44	1.2	-130.6	1200	26.90
1121	23.3	7.3	2738	39	1.2	-134.2	1800	26.90
1124	23.3	7.3	2745	37	1.2	-139.3	2400	26.90
1127	23.3	7.3	2750	37	1.1	-141.6	3000	26.90

Did well dewater? Yes (No) Amount actually evacuated: 3L
Sampling Time: 1130 Sampling Date: 04-16-10
Sample I.D.: GMW-36 Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C
Equipment Blank I.D.: @ Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100416-Q1	Client: KMEP
Sampler: CD	Start Date: 04-16-10
Well I.D.: PZ-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 38.15	Depth to Water: Pre: 25.12 Post: 26.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: (2" Grundfos Pump) Peristaltic Pump Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Flow Rate: ____ Pump Depth: 33'

Time	Temp. (°C or °F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to water
0847	20.2	7.1	2586	5	2.2	14.2	600	25.62
0850	20.6	7.2	2646	4	1.7	-37.9	1200	25.84
0853	21.0	7.2	2659	4	1.5	-52.9	1800	25.96
0856	21.2	7.2	2686	3	1.5	-57.8	2400	26.12
0859	21.4	7.2	2690	3	1.5	-66.7	3000	26.21
0902	21.5	7.2	26.98	3	1.5	-64.2	3600	26.30

Did well dewater? Yes (No) Amount actually evacuated: 3.6L

Sampling Time: 0905 Sampling Date: 04-16-10

Sample I.D.: PZ-5 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C.O.C

Equipment Blank I.D.: @ Time Duplicate I.D.:

BLAINE TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY

CLIENT: Kinder Morgan

SITE: DFSP Norwalk
15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

LAB: Alpha Analytical COC 1 of 1

Billing Information:
Kinder Morgan
1100 Town and CountryRd.
Orange CA 95112

Kinder Morgan Norwalk
Report to:
Thandat Phyu and Shiow-Whei Chou
AMEC Geomatrix, Inc.
510 Superior Ave. Suite 200
Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX (AQ= Water)	CONTAINERS #	Preservation	Type	TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Selenium By EPA 6020	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-O-15	04-16-10	1002	AQ	6	HCL	VOA	X	X					
MW-O-16		0825					X	X					
MW-O-18		1055					X	X					
MW-O-A		0755					X	X					
MW-36		1130					X	X					
DUP-5		0705					X	X					
EB-1		0715					X	X					
DUP-1				4			X	X					
TB-1		0700		2			X	X					

SAMPLING COMPLETED: DATE 04-16-10 TIME 1130

SAMPLING PERFORMED BY: Chris Davis

RESULTS NEEDED NO LATER THAN: Standard

		TIME		DATE	TIME
RELEASED BY		1300	RECEIVED BY: Anthony Stark	4-16-10	1600
RELEASED BY: Anthony Stark	4-16-10	1600	RECEIVED BY		
RELEASED BY			RECEIVED BY		

SHIPPED VIA	TIME SENT	COOLER #	

WELLHEAD INSPECTION CHECKLIST

Page ____ of ____

Client KMEP Date 04-16-10

Site Address 15306 Norwalk Blvd. Norwalk

Job Number 100416-01 Technician CD

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
GMW-O-19	X	X	X							
GMW-O-16	X	X	X							
PZ-5	X	X	X							
GMW-O-15	X	X	X							
GMW-O-18	X	X	X							
GMW-36	X	X	X							

NOTES: _____

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME DFSP NORWALK				PROJECT NUMBER 100416-C01			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI 556	06F2009 AC	4-16-10 0630	7.0 pH 10.0	7.02 10.10	7.00 10.00	19.7	CD
			4.0 Spec Cond 3.9	3.98 3.933	4.00 3.900	20.1	CD
			D.O % ORP 237@20°C	101.3% 240.3	100.0% 237 mV	20.4	CD