# APPENDIX A

## WELL PURGING AND SAMPLING RECORDS

## FEBRUARY 2008 SENTRY EVENT

DFSP NORWALK
Quarterly GWM Feb. 2008



2/05/2008

GMW 61 : 27.17 DTW @ 11:05
GMW 60 : 27.92 DTW @ 11:10
MW 13 : 30.00 DTW @ 11:15
GMW 47 : 27.75 DTW @ 11:19
GMW 57 : 28.36 DTW @ 11:24
GMW 58 : 26.42 DTW @ 11:28
GMW 59 : 25.98 DTW @ 11:45 (Product odor)
MW 17 : 29.46 DTW @ 11:37
EXP-1 : 52.15 DTW @ 11:41
GMW 50 : 27.24 DTW @ 11:55
GMW 51 : 27.59 DTW @ 11:50
GMW 62 : 27.79 DTW @ 12:18
EXP 03 : 51.23 DTW @ 12:35
GMW 45 : 27.52 DTW @ 12:03
GMW 56 : 28.25 DTW @ 12:08
MW 14 : 30.24 DTW @ 12:42
TF 21 : 27.25 DTW @ 12:50 (Piezometer)
TP/DTW TF 20 : 27.47/28.65 @ 13:00 (absorbent sock replaced,
TP/DTW TF 17 : 25.98/28.18 @ 13:14 (absorbent sock replaced)
TF 18 : 25.49 DTW @ 13:21 (absorbent sock replaced)
↳ Product odor _ not measurable w/ I.P.
oduct odor PZ 03 : 27.84 DTW @ 13:35 (absorbent sock replaced)
oduct odor GMW 21 : 27.79 DTW @ 13:48 (absorbent sock replaced)
GMW 35 : 27.98 DTW @ 14:06
GMW 33 : 26.87 DTW @ 14:10
MW 16 : 28.88 DTW @ 14:15
GMW 32 : 25.93 DTW @ 14:21
GMW 52 : 26.71 DTW @ 14:25
GMW 53 : 26.25 DTW @ 14:28

DFSP NORWALK
Quarterly GWM Feb. 2008

02/05/2008



| | | | | |
|---|---|---|---|---|
| TF19 | 27.15 | DTW @ | 14:32 | (Piezometer) |
| MW29 | 29.91 | DTW @ | 14:36 | |
| TF16 | 27.94 | DTW @ | 14:40 | (Piezometer) |
| TF15 | 26.42 | DTW @ | 14:44 | (Piezometer) |
| TF14 | 26.95 | DTW @ | 14:47 | (Piezometer) |
| TF13 | 27.32 | DTW @ | 14:52 | (Piezometer) |
| GMW19 | 28.67 | DTW @ | 14:55 | |
| GMW09 | 27.61 | DTW @ | 14:58 | |
| TF11 | 27.15 | DTW @ | 15:05 | (Piezometer) |
| GMW17 | 26.25 | DTW @ | 15:07 | |
| TF09 | 26.88 | DTW @ | 15:11 | (Piezometer) |
| TF08 | 26.69 | DTW @ | 15:16 | (Piezometer) |
| TF10 | 25.11 | DTW @ | 15:22 | (Piezometer) |
| PZ04 | 27.42 | DTW @ | 15:26 | |
| TF25 | 27.71 | DTW @ | 15:30 | (Piezometer) |
| GMW06 | 29.32 | DTW @ | 15:35 | |
| GMW15 | 27.78 | DTW @ | 15:39 | |
| GMW05 | 28.93 | DTW @ | 15:44 | |
| GMW16 | 28.68 | DTW @ | 15:49 | |
| MW23 Mid | 31.91 | DTW @ | 15:52 | |
| GW08 | 28.62 | DTW @ | 16:00 | |
| MW10 | 30.90 | DTW @ | 16:04 | |
| TF26 | 28.11 | DTW @ | 16:10 | (Piezometer) |
| GMW18 | 26.73 | DTW @ | 16:17 | |
| TF22 | 26.87 | DTW @ | 16:25 | (Piezometer) |
| TF23 | 26.75 | DTW @ | 16:30 | |
| MW22 Mid | 32.51 | DTW @ | 16:42 | |

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW-61
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW61-0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 50 - DTW: 27.17 = 22.83 (Water Column) x Gallons linear ft = 15.07 (1 casing volume) x Casing volumes = 45 Calculated Purge

Actual purge (gals): 50
Date Purged: 02/06/08 Start (2400 hr): 08:49 End (2400 hr): 09:22
Date Sampled: 02/07/08 Time (2400 hr): 09:05

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 08:49 | 1 | 15.4 | 2.10 | 4.49 | clear | 3 | no | 7.23 | |
| 08:58 | 10 | 18.8 | 2.38 | 3.10 | clear | 2 | no | 7.60 | |
| 09:03 | 20 | 18.8 | 2.30 | 3.19 | clear | 0 | no | 7.66 | |
| 09:07 | 30 | 19.2 | 2.29 | 2.78 | clear | 0 | no | 7.67 | |
| 09:15 | 40 | 19.4 | 2.24 | 3.94 | clear | 0 | no | 7.73 | |
| 09:22 | 50 | 20.1 | 2.22 | 4.75 | clear | 0 | no | 7.72 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW-60
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW60-0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 50 - DTW: 27.92 = 22.08 (Water Column) x Gallons (linear ft) = 14.6 (1 casing volume) x Casing volumes = 44 Calculated Purge

Actual purge (gals): 50
Date Purged: 02/06/08 Start (2400 hr): 09:43 End (2400 hr): 10:31
Date Sampled: 02/07/08 Time (2400 hr): 09:32

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 09:43 | 1 | 18.1 | 1.87 | 4.26 | clear | 5 | no | 7.80 | |
| 09:52 | 10 | 19.6 | 1.82 | 3.54 | clear | 0 | no | 7.79 | |
| 10:01 | 20 | 20.3 | 1.84 | 3.24 | clear | 0 | no | 7.81 | |
| 10:11 | 30 | 20.8 | 1.86 | 3.53 | clear | 0 | no | 7.82 | |
| 10:21 | 40 | 21.0 | 1.88 | 3.89 | clear | 0 | no | 7.86 | |
| 10:31 | 50 | 21.1 | 1.84 | 4.19 | clear | 0 | no | 7.87 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW-47
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW47_0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 50.5 - DTW: 27.75 = 22.75 (Water Column) x Gallons (linear ft) = 15 (1 casing volume) x Casing volumes = 45 Calculated Purge

Actual purge (gals): 60
Date Purged: 02/06/08 Start (2400 hr): 10:58 End (2400 hr): 11:34
Date Sampled: 02/07/08 Time (2400 hr): 09:49

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 10:58 | 1 | 20.8 | 1.62 | 3.49 | clear | 4 | no | 7.47 | |
| 11:04 | 10 | 21.2 | 1.72 | 3.06 | clear | 4 | no | 7.59 | |
| 11:13 | 30 | 21.4 | 1.52 | 3.43 | clear | 0 | no | 7.67 | |
| 11:20 | 40 | 20.9 | 1.47 | 3.39 | clear | 0 | no | 7.71 | |
| 11:28 | 50 | 20.9 | 1.42 | 4.02 | clear | 0 | no | 7.72 | |
| 11:34 | 60 | 21.4 | 1.38 | 3.33 | clear | 0 | no | 7.68 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW-57
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW57-0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 55 - DTW: 28.36 = 26.64 (Water Column) x Gallons linear ft = 17.6 (1 casing volume) x Casing volumes = 53 Calculated Purge

Actual purge (gals): 55
Date Purged: 02/06/08 Start (2400 hr): 11:46 End (2400 hr): 12:09
Date Sampled: 02/07/08 Time (2400 hr): 10:30

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 11:46 | 1 | 19.9 | 1.65 | 4.55 | clear | 0 | no | 7.69 | |
| 11:51 | 10 | 21.3 | 1.86 | 3.47 | clear | 0 | no | 7.71 | |
| 11:55 | 20 | 21.1 | 1.91 | 3.60 | clear | 0 | no | 7.72 | |
| 11:59 | 30 | 21.0 | 1.95 | 3.82 | clear | 0 | no | 7.73 | |
| 12:03 | 40 | 21.6 | 1.97 | 3.91 | clear | 0 | no | 7.72 | |
| 12:09 | 55 | 20.9 | 1.98 | 3.89 | clear | 0 | no | 7.74 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D TRAN (print name) Signature: [signature]

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW.58
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW58_0208

### Equipment

Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

### Purging Information

Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 55 - DTW: 26.42 = 28.58 (Water Column) x Gallons/linear ft = 18.9 (1 casing volume) x Casing volumes = 57 Calculated Purge

Actual purge (gals): 60
Date Purged: 02/06/08 Start (2400 hr): 12:20 End (2400 hr): 12:52
Date Sampled: 02/07/08 Time (2400 hr): 10:52

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (µS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 12.20 | 1 | 20.5 | 1.30 | 3.36 | cloudy | 68 | no | 7.73 | |
| 12.32 | 10 | 20.5 | 1.55 | 3.49 | clear | 3 | no | 7.76 | |
| 12:36 | 20 | 20.9 | 1.61 | 3.26 | clear | 2 | no | 7.75 | |
| 12:40 | 30 | 21.2 | 1.63 | 3.29 | clear | 1 | no | 7.74 | |
| 12.44 | 40 | 21.4 | 1.63 | 3.29 | clear | 0 | no | 7.76 | |
| 12:49 | 50 | 20.8 | 1.65 | 3.48 | clear | 0 | no | 7.76 | |
| 12:52 | 60 | 20.8 | 1.64 | 3.54 | clear | 0 | no | 7.75 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature: D TRAN

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D T.
Date: 02/06/08

Well ID: GMW_59
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW59_0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 55 - DTW: 25.98 = 29.02 (Water Column) x Gallons/linear ft = 19.2 (1 casing volume) x Casing volumes = 58 Calculated Purge

Actual purge (gals): 60
Date Purged: 02/06/08 Start (2400 hr): 14:13 End (2400 hr): 14:40
Date Sampled: 02/07/08 Time (2400 hr): 11:10

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 14:13 | 1 | 21.5 | .731 | 2.69 | cloudy | 24 | ① | 7.44 | |
| 14:17 | 10 | 20.3 | .620 | 2.71 | cloudy | 21 | no | 7.69 | |
| 14:22 | 20 | 20.6 | .532 | 2.90 | clear | 14 | no | 7.65 | |
| 14:26 | 30 | 20.1 | .518 | 2.74 | clear | 10 | no | 7.56 | |
| 14:30 | 40 | 20.6 | .554 | 2.78 | clear | 8 | no | 7.54 | |
| 14:35 | 50 | 20.4 | .586 | 3.56 | clear | 6 | no | 7.51 | |
| 14:40 | 60 | 20.4 | .602 | 3.31 | clear | 5 | no | 7.54 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:
① Slight product odor

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: MW-14
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: MW14-0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 50 - DTW: 30.24 = 19.76 (Water Column) x Gallons/linear ft = 13 (1 casing volume) x Casing volumes = 40 Calculated Purge

Actual purge (gals): 40
Date Purged: 02/06/08 Start (2400 hr): 14:54 End (2400 hr): 15:10
Date Sampled: 02/07/08 Time (2400 hr): 12:35

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 14:54 | 1 | 21.6 | 1.79 | 2.38 | clear | 0 | no | 7.09 | |
| 14:58 | 10 | 21.4 | 1.79 | 3.34 | clear | 0 | no | 7.55 | |
| 15:02 | 20 | 21.4 | 1.83 | 3.29 | clear | 0 | no | 7.54 | |
| 15:06 | 30 | 21.0 | 1.83 | 3.39 | clear | 0 | no | 7.58 | |
| 15:10 | 40 | 21.4 | 1.83 | 3.41 | clear | 0 | no | 7.56 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: GMW-62
Location: Norwalk, CA.
Sample Collected by: D.T.
Sample No.: GMW62_0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 40 - DTW: 27.79 = 12.21 (Water Column) x Gallons/linear ft = 8.06 (1 casing volume) x Casing volumes = 25 Calculated Purge

Actual purge (gals): 25
Date Purged: 02/06/08 Start (2400 hr): 15:37 End (2400 hr): 15:56
Date Sampled: 02/07/08 Time (2400 hr): 13:48

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (uS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 15:39 | 1 | 20.6 | 2.26 | 3.58 | cloudy | 5 | no | 7.73 | |
| 15:42 | 5 | 19.9 | 2.32 | 3.15 | cloudy | 29 | no | 7.76 | |
| 15:47 | 10 | 19.8 | 2.33 | 2.89 | cloudy | 161 | no | 7.74 | |
| 15:50 | 15 | 19.8 | 2.28 | 3.09 | cloudy | 19 | no | 7.73 | |
| 15:53 | 20 | 19.5 | 2.25 | 3.31 | clear | 2 | no | 7.74 | |
| 15:56 | 25 | 19.4 | 2.24 | 3.82 | clear | 1 | no | 7.74 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**PARSONS**
100 W. Walnut St.
Pasadena, Ca. 91124

## WELL PURGING LOG

Project Name: DFSP Norwalk
Project Number: 743447-02000
Measured by: D.T.
Date: 02/06/08

Well ID: EXP-03
Location: Norwalk, CA.
Sample Collected by: D.T
Sample No.: EXP03-0208

**Equipment**
Purging Method/Equipment: Vacuum Truck
Sampling Equipment/IDNo.: Horiba U-10 and Disposable Bailer

**Purging Information**
Casing Diameter (inches): circle one

| 2 | 3 | 4 | 4.5 | 5 | 6 | 8 | 12 | other |
|---|---|---|---|---|---|---|---|---|
| 0.16 | 0.38 | 0.66 | 0.83 | 1.02 | 1.5 | 2.6 | 5.8 | other |

Gallons/linear foot

TD: 150 - DTW: 51.23 = 98.77 (Water Column) x Gallons/linear ft = 65.2 (1 casing volume) x Casing volumes = 196 Calculated Purge

Actual purge (gals): 200
Date Purged: 02/06/08 Start (2400 hr): 16:25 End (2400 hr): 17:16
Date Sampled: 02/07/08 Time (2400 hr): 13:00

| Time (2400 hr) | Volume Purged (gals.) | Temp. (deg. C or F) | Electrical Conductivity (µS/cm or mS/cm) | Dissolve Oxygen (mg/L) | Color (Clarity) | Turbidity (NTU) | Odor | pH | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 16:25 | 1 | 18.1 | .773 | 4.04 | clear | 0 | no | 7.92 | |
| 16.28 | 20 | 19.2 | .744 | 4.07 | clear | 0 | no | 7.76 | |
| 16.30 | 40 | 19.2 | .728 | 5.76 | clear | 0 | no | 7.74 | |
| 16:36 | 60 | 19.2 | .731 | 5.25 | clear | 0 | no | 7.72 | |
| 16:40 | 80 | 19.4 | .734 | 5.29 | clear | 0 | no | 7.69 | |
| 16.45 | 100 | 19.1 | .736 | 5.06 | clear | 0 | no | 7.71 | |
| 16:48 | 120 | 19.2 | .736 | 5.32 | clear | 0 | no | 7.68 | |
| 16:57 | 140 | 18.7 | .731 | 5.78 | clear | 0 | no | 7.69 | |
| 17.03 | 160 | 18.6 | .730 | 4.74 | clear | 0 | no | 7.68 | |
| 17:10 | 180 | 18.6 | .739 | 4.71 | clear | 0 | no | 7.68 | |
| 17:16 | 200 | 18.8 | .734 | 4.59 | clear | 0 | no | 7.68 | |
| | | | | | | | | | |

Comments:

Completed By: D. TRAN (print name) Signature:

**LABORATORIES, INC.**
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501


GID # SL204 DM2394

# CHAIN OF CUSTODY RECORD

Date 02/08/2008

Page 1 of 2

LABORATORY CLIENT: PARSONS

ADDRESS: 100 W. WALNUT ST.

CITY PASADENA STATE CA ZIP 91124

TEL: (626)440 6032 E-MAIL: MARY.LUCAS@PARSONS.COM

CLIENT PROJECT NAME / NUMBER: DFSPNORWALKGWM/743447

PROJECT CONTACT: MARY LUCAS

SAMPLER(S): (PRINT) D. TRAN

COELT LOG CODE

P.O. NO.:

LAB USE ONLY: 02-0666

COOLER RECEIPT TEMP = °C

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

**REQUESTED ANALYSES**

| LAB USE ONLY | SAMPLE ID | FIELD POINT NAME (FOR COELT EDF) | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | TPH (G) | TPH (D) or FP | BTEX / MTBE (8260B) or | OXYGENATES (8260B) | VOCs (8260B) | 5035 ENCORE PREP | SVOCs (8270C) | PEST (8081A) | PCBs (8082) | CAC, T22 METALS (6010B) / 747 | PNAs (8310) or (8270C) | VOCs (TO-14A) or (TO-15) | TPH(G) (TO-3M) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GMW61_0208 | | 02/07 | 09:05 | WG | 7 | X | X | | | X | | | | | | | | |
| 2 | GMW60_0208 | | 02/07 | 09:32 | WG | 7 | X | X | | | X | | | | | | | | |
| 3 | GMW47_0208 | | 02/07 | 09:49 | WG | 7 | X | X | | | X | | | | | | | | |
| 4 | GMW57_0208 | | 02/07 | 10:30 | WG | 7 | X | X | | | X | | | | | | | | |
| 5 | GMW58_0208 | | 02/07 | 10:52 | WG | 7 | X | X | | | X | | | | | | | | |
| 6 | GMW59_0208 | | 02/07 | 11:10 | WG | 7 | X | X | | | X | | | | | | | | |
| 7 | MW14_0208 | | 02/07 | 12:35 | WG | 7 | X | X | | | X | | | | | | | | |
| 8 | EXP3_0208 | | 02/07 | 13:00 | WG | 7 | X | X | | | X | | | | | | | | |
| 9 | GMW62_0208 | | 02/07 | 13:48 | WG | 7 | X | X | | | X | | | | | | | | |
| 10 | TRIP BLANK | | | | WQ | 3 | | | | | X | | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) David Clarke (CEL) | Date: 02-09-08 | Time: 11:05 |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) | Date: | Time: |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) | Date: | Time: |

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

CALSCIENCE ENVIRONMENTAL
**LABORATORIES, INC.**
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

GID # SL204 DM2394

# CHAIN OF CUSTODY RECORD

Date 02/08/2008

Page 2 of 2

LABORATORY CLIENT: PARSONS

ADDRESS: 100 W. WALNUT ST.

CITY: PASADENA STATE: CA ZIP: 91124

TEL: (626)440 6032 E-MAIL: MARY.LUCAS@PARSONS.COM

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ _____

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: DFSP NORWALK / 743447

P.O. NO.:

PROJECT CONTACT: MARY LUCAS

LAB USE ONLY ☐☐-☐☐☐☐

SAMPLER(S): (PRINT) D. TRAN

COELT LOG CODE ☐☐☐☐

COOLER RECEIPT TEMP = _____ °C

## REQUESTED ANALYSES

| LAB USE ONLY | SAMPLE ID | FIELD POINT NAME (FOR COELT EDF) | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | TPH (G) | TPH (D) or FP | BTEX / MTBE (8260B) or | OXYGENATES (8260B) | VOCs (8260B) | 5035 ENCORE PREP | SVOCs (8270C) | PEST (8081A) | PCBs (8082) | CAC, T22 METALS (6010B) / 747 | PNAs (8310) or (8270C) | VOCs (TO-14A) or (TO-15) | TPH(G) (TO-3M) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MW14DUP-020B | | 02/07 | 12:40 | WG | 7 | X | X | | | X | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) David Clark | Date: 02-09-08 | Time: 11:05 |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) | Date: | Time: |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) | Date: | Time: |

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

SECOR

SECOR
INTERNATIONAL
INCORPORATED

11085 Knott Avenue, Suite B
Cypress, California 90630
714.379.3366 TEL
714.379 3375 FAX

February 29, 2008

Ms. Shiow-Whei Chou
Geomatrix
510 Superior Avenue
Suite 200
Newport Beach, California 92663

**Re: Data Transmittal**
**First Quarter 2008 Groundwater Sampling Event**
**KMEP Norwalk Facility**
**15306 Norwalk Boulevard**
**Norwalk, California**

Dear Ms. Chou:

Please find attached copies of the field data sheets including the KMEP Hydrological and Well-Head Evaluation Form and groundwater sample field data sheets related to the First Quarter 2008 groundwater sampling event performed by SECOR International Incorporated at the referenced site. All samples were stored in a refrigerator set at 4°C before being shipped to the laboratory.

If you have any questions, please contact me at your earliest convenience at (714) 379-3366 or email at awagner@secor.com.

Sincerely,
**SECOR International Incorporated**

Angie Wagner
Project Geologist

Cc: Steve Osborn

1st 2008
~~3rd Quarter 2007~~

# KMEP HYDROLOGICAL AND WELL- HEAD EVALUATION FORM

DATE: 2/19/08
DAY OF WEEK: Tuesday

PROJECT No: 14IN.81204.01
FACILITY: Norwalk Terminal
LOCATION: 15306 Norwalk Blvd. Norwalk, CA
FIELD TECH: Pablo Cortez, Angie Wagner

| GTW ORDER | TIME | WELL ID | SURFACE SEAL | CONCRETE SEAL | LID SECURE | GASKET | CAP | LOCK | TOTAL DEPTH (FEET) | FIRST DEPTH TO WATER (FEET) | SECOND DEPTH TO WATER (FEET) | LPH DEPTH (FEET) | LPH (FEET) | PRV. QTRS LPH (FEET) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | | EXP-1 | G | G | Y | N/A | E | N | 128.50 | 51.63 | | | | | |
| 1 | | EXP-2 | G | G | Y | N/A | E | N | 128.00 | 51.49 | | | | | |
| 16 | | EXP-3 | G | G | Y | N/A | E | N | 123.95 | 50.70 | | | | | No bolts |
| 9 | | EXP-5 | G | G | N | G | E | Y | 120.00 | 45.90 | | | | | |
| 18 | | GMW-1 | G | G | Y | G | S | N | 49.60 | 25.20 | | | | | well box cover not over well; sitting on ground beside well |
| 13 | | GMW-36 | G | G | N | N/A | S | N | ~~50.05~~ | 25.50 | | | | | |
| 14 | | GMW-39 | G | G | Y | N/A | T | N | 50.05 | 25.91 | | | | | |
| 5 | | GMW-O-1 | G | G | Y | NR | E | Y | 49.13 | 27.25 | | | | | |
| 6 | | GMW-O-2 | G | G | Y | NR | E | Y | 49.25 | 23.39 | | | | | ~ 2" of water in well box |
| 7 | | GMW-O-3 | G | G | Y | NR | E | Y | 45.20 | 23.10 | | | | | No bolts |
| 8 | | GMW-O-14 | G | G | N | G | E | Y | 49.83 | 24.84 | | | | | No bolts |
| 11 | | GMW-O-16 | G | G | N | NR | E | Y | 47.38 | 24.69 | | | | | |
| 12 | | MW-8 | G | G | Y | N/A | S | N | 51.87 | 26.79 | | | | | |
| 20 | | MW-SF-4 | G | G | Y | G | S | N | 46.50 | 30.22 | | | | | J-plug disassembled; only 1/2 plug used to cap well |
| 17 | | MW-SF-1 | G | G | N | N/A | E | N | 50.65 | 29.50 | | | | | |

REVIEWED BY:

Notes: G - Good; P - Poor; N - None
NR - Needs Replacement or Repair; R - Item Replaced or Repaired; NM - Not Measured
E - Expanding Cap; S - Slip Cap; T - Threaded Cap
LPH - Liquid Phase Hydrocarbons

SECOR

1ST 2008
~~Third~~ Quarter ~~2007~~

# KMEP HYDROLOGICAL AND WELL- HEAD EVALUATION FORM

PROJECT No: 14IN.81204.01
FACILITY: Norwalk Terminal
LOCATION: 15306 Norwalk Blvd. Norwalk, CA
FIELD TECH: Pablo Cortez, Angie Wagner
DATE: 2/19/08
DAY OF WEEK: Tuesday

| DTW ORDER | TIME | WELL ID | SURFACE SEAL | CONCRETE SEAL | LID SECURE | GASKET | CAP | LOCK | TOTAL DEPTH (FEET) | FIRST DEPTH TO WATER (FEET) | SECOND DEPTH TO WATER (FEET) | LPH DEPTH (FEET) | LPH (feet) | PRV. QTRS LPH (FEET) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | WCW-3 | G | G | Y | NR | E | Y | 49.85 | 27.21 | | | | | |
| 4 | | WCW-7 | G | G | Y | NR | E | Y | 51.69 | 27.69 | | | | | |
| 3 | | WCW-13 | G | G | Y | NR | E | Y | 61.50 | 28.80 | | | | | |
| 10 | | PZ-5 | G | G | N | G | E | Y | 39.39 | 24.68 | | | | | ~~No bolts~~ bolts left inside well box |
| 19 | | PZ-10 | G | G | Y | G | E | Y | 37.90 | 25.16 | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Notes: G - Good; P - Poor; N - None; NR - Needs Replacement or Repair; R - Item Replaced or Repaired; NM - Not Measured; E - Expanding Cap; S - Slip Cap; T - Threaded Cap; LPH - Liquid Phase Hydrocarbons

REVIEWED BY: _____

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP - NORWALK
DATE: 2/19/08
OWNER/CONTACT: STEVE OSBORN - KMEP
SAMPLING EVENT: (Circle Below)
PERSONNEL: Angie Wagner / Pablo Cortez
Qtr: (1st) 2nd 3rd 4th

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Well Number | GMW-O-16 | | | | | Well Number | GMW-36 | | | | | Well Number | MW-8 | | | | |
| Well Diameter | 4 | | | | | Well Diameter | 4 | | | | | Well Diameter | 4 | | | | |
| Well Condition | | | | | | Well Condition | | | | | | Well Condition | | | | | |
| Depth to NAPH | | | | | | Depth to NAPH | | | | | | Depth to NAPH | | | | | |
| Depth to Water | 24.69 | | | | | Depth to Water | 25.50 | | | | | Depth to Water | 26.79 | | | | |
| NAPH Thickness | | | | | | NAPH Thickness | | | | | | NAPH Thickness | | | | | |
| Total Well Depth | 47.38 | | | | | Total Well Depth | 49.85 | | | | | Total Well Depth | 51.87 | | | | |
| Gals Per Foot | | | | | | Gals Per Foot | | | | | | Gals Per Foot | | | | | |
| Well Casing Vol. | ~~4.5~~ (3) | | | | | Well Casing Vol. | 49 (3) | | | | | Well Casing Vol. | 50 (3) | | | | |
| Gallons Purged | 47 | | | | | Gallons Purged | 50 | | | | | Gallons Purged | 50 | | | | |
| Water Condition | | | | | | Water Condition | | | | | | Water Condition | | | | | |
| Recovery Rate | | | | | | Recovery Rate | | | | | | Recovery Rate | | | | | |
| Time | Gal | Temp | Ec | pH | Turb. | Time | Gal | Temp | Ec (mS) | pH | Turb. | Time | Gal | Temp | Ec | pH | Turb. |
| 1213 | START | | | | | 1311 | Start | | | | | 1344 | Start | | | | |
| 1224 | 10 | 20.0 | 1688 | 8.31 | sl. cloudy | 1314 | 10 | 20.7 | 2.14 | 8.13 | sl. cloudy | 1352 | 10 | 21.9 | 1826 | 8.25 | clear |
| 1234 | 20 | 20.6 | 1695 | 8.20 | clear | 1316 | 20 | 21.1 | 2.25 | 8.16 | clear | 1358 | 20 | 21.7 | 1,96 | 8.17 | clear |
| 1242 | 30 | 20.5 | 1700 | 8.18 | " | 1325 | 30 | 21.0 | 2.38 | 8.15 | clear | 1405 | 30 | 21.5 | 1863 | 8.13 | clear |
| 1253 | 40 | 20.6 | 1705 | 8.22 | ↓ | 1332 | 40 | 20.8 | 2.48 | 8.13 | clear | 1413 | 40 | 21.5 | 1853 | 8.20 | clear |
| 1257 | 47 | END | | | | 1336 | End | | | | | 1419 | 50 | End | | | |

| SAMPLE RECORD | | | PURGE RECORD | | SAMPLE RECORD | | | PURGE RECORD | | SAMPLE RECORD | | | PURGE RECORD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | | | | PUMP | ID | GMW-36 | | | PUMP | ID | MW-8 | | | PUMP |
| TIME | | | | BAILER | TIME | 1300 2/20/08 | | | BAILER | TIME | 1325 2/20/08 | | | BAILER |
| | BTEX 8020 | | | GRAP | | BTEX 8020 | | | GRAP | | BTEX 8020 | | | GRAP |
| | MTBE 8020 | | | HC ODOR | | MTBE 8020 | | | HC ODOR | | MTBE 8020 | | | HC ODOR |
| | TVPH 8015-M | | | NAPH SHEEN | | TVPH 8015-M | | | NAPH SHEEN | | TVPH 8015-M | | | NAPH SHEEN |
| | TEPH 8015-M | | | NAPH LAYER | | TEPH 8015-M | | | NAPH LAYER | | TEPH 8015-M | | | NAPH LAYER |
| | TRPH 418.1 | | MAINTENANCE | | | TRPH 418.1 | | MAINTENANCE | | | TRPH 418.1 | | MAINTENANCE | |
| | D.O. (mg/L) | | | NEW MWS | | D.O. (mg/L) | | | NEW MWS | | D.O. (mg/L) | | | NEW MWS |
| | | | | NEW LOCK | | | | | NEW LOCK | | | | | NEW LOCK |
| | | | ✓ | VAC TRUCK | ✓ | VAC TRUCK | | | | | | | ✓ | VAC TRUCK |

| Comments: | Comments: | Comments: |
|---|---|---|
| 80% Recharge = 29.23 | 80% Recharge = 30.37 | 80% Recharge = 31.81 |
| DTW @ SAMPLE = 24.48 | DTW @ SAMPLE = 25.02 | DTW @ SAMPLE = 26.56 |

EC = µS

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Angie Wagner PAGE 1 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Cortez

DATE: 2/19/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| | | | | | |
|---|---|---|---|---|---|
| Well Number | GMW-39 | Well Number | | Well Number | |
| Well Diameter | 4 | Well Diameter | | Well Diameter | |
| Well Condition | | Well Condition | | Well Condition | |
| Depth to NAPH | | Depth to NAPH | | Depth to NAPH | |
| Depth to Water | 25.91 | Depth to Water | | Depth to Water | |
| NAPH Thickness | | NAPH Thickness | | NAPH Thickness | |
| Total Well Depth | 50.05 | Total Well Depth | | Total Well Depth | |
| Gals Per Foot | | Gals Per Foot | | Gals Per Foot | |
| Well Casing Vol. | 48 (3) | Well Casing Vol. | | Well Casing Vol. | |
| Gallons Purged | 48 | Gallons Purged | | Gallons Purged | |
| Water Condition | | Water Condition | | Water Condition | |
| Recovery Rate | | Recovery Rate | | Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1428 | Start | | | | |
| 1430 | 10 | 21.1 | 1224 | 8.45 | clear |
| 1438 | 20 | 20.7 | 1217 | 8.37 | clear |
| 1443 | 30 | 20.6 | 1190 | 8.41 | clear |
| 1450 | 40 | 20.2 | 1111 | 8.35 | clear |
| 1456 | 48 | end | | | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| | | | | | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-39 | | PUMP |
| TIME | 1415 2/20/08 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VACTRUCK |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | | |

Comments:
80% Recharge = 30.74
DTW @ SAMPLE = 25.80

Comments:
80% Recharge =
DTW @ SAMPLE =

Comments:
80% Recharge =
DTW @ SAMPLE =

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Angie Wagner PAGE 2 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Carter 2/19 2/19 2/20

DATE: 2/19/08 - 2/20/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| Well Number | EXP-1 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 51.63 |
| NAPH Thickness | |
| Total Well Depth | 128.50 |
| Gals Per Foot | |
| Well Casing Vol. | 51.25 x 3 = 154 |
| Gallons Purged | 154 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1505 | Start | | | | |
| 1509 | 20 | 20.1 | 1151 | 8.20 | clear |
| 1512 | 40 | 20.6 | 1154 | 8.05 | clear |
| 1518 | 60 | 20.3 | 1164 | 8.08 | clear |
| 1522 | 80 | 20.4 | 1169 | 8.04 | clear |
| 1528 | 100 | 20.4 | 1166 | 8.05 | clear |
| 1531 | 120 | 20.6 | 1169 | 8.02 | clear |
| 1536 | 140 | 20.3 | 1165 | 8.06 | clear |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | EXP-1 | | PUMP |
| TIME | 1440 2/20/08 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 67.00
DTW @ SAMPLE = 51.42

| Well Number | EXP-1 |
|---|---|
| Well Diameter | |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | |
| NAPH Thickness | |
| Total Well Depth | |
| Gals Per Foot | |
| Well Casing Vol. | |
| Gallons Purged | |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1540 | 154 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |

Comments:
80% Recharge =
DTW @ SAMPLE =

| Well Number | PZ-5 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 24.68 |
| NAPH Thickness | |
| Total Well Depth | 39.39 |
| Gals Per Foot | |
| Well Casing Vol. | 29 |
| Gallons Purged | 30 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 739 | Start | | | | |
| 747 | 10 | 18.2 | 3.36 | 8.17 | clear |
| 758 | 20 | 17.7 | 3.65 | 8.14 | clear |
| 816 | 30 | 15.2 | 3.96 | 8.24 | clear |
| 816 | end | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | PZ-5 | | PUMP |
| TIME | 1600 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 27.62
DTW @ SAMPLE = 24.61
ZDS-2 = Duplicate

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Angie Wagner

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Carter

DATE: 2/20/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| Well Number | GMW-O-1 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 27.25 |
| NAPH Thickness | |
| Total Well Depth | 49.13 |
| Gals Per Foot | |
| Well Casing Vol. | 44 (3) |
| Gallons Purged | 44 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 849 | Start | | | | |
| 851 | 10 | 19.7 | 2.99 | 8.08 | clear |
| 856 | 20 | 19.9 | 3.00 | 8.10 | clear |
| 904 | 30 | 19.4 | 3.06 | 8.13 | clear |
| 914 | 44 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-O-1 | | PUMP |
| TIME | 1720 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC-TRUCK |

Comments:
80% Recharge = 31.63
DTW @ SAMPLE = 22.25

| Well Number | GMW-O-2 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 23.39 |
| NAPH Thickness | |
| Total Well Depth | 49.25 |
| Gals Per Foot | |
| Well Casing Vol. | 52 (3) |
| Gallons Purged | 52 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 930 | Start | | | | |
| 935 | 10 | 19.8 | 3.35 | 8.07 | clear |
| 939 | 20 | 19.9 | 3.09 | 8.11 | clear |
| 944 | 30 | 19.4 | 2.99 | 8.13 | clear |
| 950 | 40 | 19.5 | 3.19 | 8.16 | clear |
| 956 | 50 | 19.4 | 3.19 | 8.14 | clear |
| 1000 | 52 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-O-2 | | PUMP |
| TIME | 1700 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC-TRUCK |

Comments:
80% Recharge = 28.56
DTW @ SAMPLE = 23.34

| Well Number | GMW-O-3 |
|---|---|
| Well Diameter | |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 23.10 |
| NAPH Thickness | |
| Total Well Depth | 45.20 |
| Gals Per Foot | |
| Well Casing Vol. | 44 (3) |
| Gallons Purged | 44 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1011 | Start | | | | |
| 1023 | 10 | 20.0 | 2.35 | 8.20 | Slt. Cloudy |
| 1030 | 29 | 20.5 | 2.50 | 8.11 | Cloudy |
| 1046 | 30 | 20.4 | 2.53 | 8.14 | Cloudy |
| 1055 | 40 | 20.6 | 2.55 | 8.07 | Cloudy |
| 1058 | 44 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-O-3 | | PUMP |
| TIME | 1645 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC-TRUCK |

Comments:
80% Recharge = 27.52
DTW @ SAMPLE = 23.15

ANALYTICAL LABORATORY: Hydro Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Angie Wegner PAGE 4 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Cortez

DATE: 2/20/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| Well Number | GMW-O-14 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 24.84 |
| NAPH Thickness | |
| Total Well Depth | 49.83 |
| Gals Per Foot | |
| Well Casing Vol. | 50 (3) |
| Gallons Purged | 50 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1119 | Start | | | | |
| 1125 | 10 | 19.6 | 3.45 | 8.16 | Dark |
| 1134 | 20 | 19.9 | 2.55 | 8.18 | Dark |
| 1139 | 30 | 19.6 | 2.47 | 8.21 | Cloudy |
| 1145 | 40 | 20.2 | 2.27 | 8.21 | Sl. Cloudy |
| 1149 | 50 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-O-14 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 29.84
DTW @ SAMPLE = 24.45
duplicate = EDS-1

| Well Number | EXP-5 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 45.90 |
| NAPH Thickness | |
| Total Well Depth | 120.00 |
| Gals Per Foot | |
| Well Casing Vol. | 145 (3) |
| Gallons Purged | 150 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1250 | Start | | | | |
| 1258 | 20 | 20.0 | 1256 | 8.44 | clear |
| 1306 | 60 | 20.3 | 1197 | 8.11 | clear |
| 1309 | 80 | 20.2 | 1199 | 8.07 | clear |
| 1313 | 100 | 20.1 | 1201 | 8.11 | clear |
| 1316 | 120 | 20.1 | 1196 | 8.09 | clear |
| 1321 | 140 | 20.0 | 1206 | 8.10 | clear |
| 1324 | 150 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | EXP-5 | | PUMP |
| TIME | 1630 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC. TRUCK |

Comments:
80% Recharge = 60.72
DTW @ SAMPLE = 45.68

| Well Number | WCW-3 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 27.21 |
| NAPH Thickness | |
| Total Well Depth | 49.85 |
| Gals Per Foot | |
| Well Casing Vol. | 45 (3) |
| Gallons Purged | 45 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1342 | Start | | | | |
| 1347 | 10 | 21.2 | 3.44 | 7.98 | clear |
| 1352 | 20 | 20.9 | 3.49 | 8.00 | clear |
| 1356 | 30 | 21.3 | 3.47 | 8.00 | clear |
| 1401 | 40 | 21.4 | 3.48 | 7.90 | clear |
| 1403 | 45 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | WCW-3 | | PUMP |
| TIME | 2/21/08 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 31.74
DTW @ SAMPLE = 27.12

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Angie Wagner / Pablo Cortez PAGE 5 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Cortez

DATE: 2/20/08 - 2/21/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| | WCW-13 (2/20) | WCW-7 (2/20) | EXP-3 (2/21) |
|---|---|---|---|
| Well Number | WCW-13 | WCW-7 | EXP-3 |
| Well Diameter | 4 | 4 | 4 |
| Well Condition | | | |
| Depth to NAPH | | | |
| Depth to Water | 28.50 | 27.69 | 50.70 |
| NAPH Thickness | | | |
| Total Well Depth | 61.50 | 51.69 | 123.95 |
| Gals Per Foot | | | |
| Well Casing Vol. | 65 (3) | 46 (3) | 147 (3) |
| Gallons Purged | 65 | 46 | 150 |
| Water Condition | | | |
| Recovery Rate | | | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1418 | Start | | | | |
| 1427 | 10 | 19.5 | 2.51 | 8.37 | cloudy |
| 1432 | 20 | 20.2 | 2.36 | 8.17 | Sl. cloudy |
| 1437 | 30 | 20.3 | 2.45 | 8.20 | Sl. cloudy |
| 1441 | 40 | 19.9 | 2.51 | 8.15 | clear |
| 1446 | 50 | 20.4 | 2.55 | 8.10 | clear |
| 1450 | 60 | 20.0 | 2.58 | 8.17 | clear |
| 1452 | 65 | End | | | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1513 | Start | | | | |
| 1519 | 10 | 20.3 | 3.76 | 8.24 | Sl. cloudy |
| 1528 | 20 | 20.0 | 3.53 | 8.13 | Sl. cloudy |
| 1537 | 30 | 20.1 | 3.28 | 8.11 | cloudy |
| 1552 | 40 | 19.8 | 3.24 | 8.14 | cloudy |
| 1559 | 46 | End | | | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 752 | Start | | | | |
| 800 | 30 | 19.4 | 904 | 9.02 | Clear |
| 807 | 60 | 19.9 | 877 | 8.26 | clear |
| 814 | 90 | 20.3 | 877 | 8.23 | clear |
| 821 | 120 | 19.8 | 871 | 8.22 | clear |
| 827 | 150 | 19.8 | 873 | 8.21 | clear |
| 827 | 150 | End | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | WCW-13 | | PUMP |
| TIME | 2/20/08 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 39.94
DTW @ SAMPLE = 28.75

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | WCW-7 | | PUMP |
| TIME | 2/21/08 | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 32.49
DTW @ SAMPLE = 27.72

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | EXP-3 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 65.35
DTW @ SAMPLE = 50.62

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Pablo Cortez PAGE 6 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Cortez

DATE: 2/21/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| Well Number | MW-SF-4 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 30.22 |
| NAPH Thickness | |
| Total Well Depth | 46.50 |
| Gals Per Foot | |
| Well Casing Vol. | 32 (3) |
| Gallons Purged | 32 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 848 | Start | | | | |
| 851 | 10 | 20.4 | 1431 | 8.13 | clear |
| 855 | 20 | 21.4 | 1486 | 8.14 | clear |
| 900 | 30 | 21.4 | 1498 | 8.16 | clear |
| 903 | 32 | End | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | MW-SF-4 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 33.48
DTW @ SAMPLE = 30.13

| Well Number | GMW-1 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 25.20 |
| NAPH Thickness | |
| Total Well Depth | 49.60 |
| Gals Per Foot | |
| Well Casing Vol. | 49 (3) |
| Gallons Purged | 50 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 910 | Start | | | | |
| 915 | 10 | 21.8 | 1121 | 8.33 | clear |
| 919 | 20 | 22.7 | 1182 | 8.26 | clear |
| 925 | 30 | 22.7 | 1335 | 8.18 | clear |
| 932 | 40 | 22.6 | 1403 | 8.18 | clear |
| 936 | 50 | End | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | GMW-1 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 30.08
DTW @ SAMPLE = 25.53

| Well Number | PZ-10 |
|---|---|
| Well Diameter | 2 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 25.16 |
| NAPH Thickness | |
| Total Well Depth | 37.90 |
| Gals Per Foot | |
| Well Casing Vol. | 6 (3) |
| Gallons Purged | 8 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 941 | Start | | | | |
| 942 | 2 | 21.5 | 992 | 8.30 | cloudy |
| 945 | 4 | 22.4 | 1012 | 8.34 | clear |
| ~~946~~ | ~~6~~ | ~~17.2~~ | | ~~8.20~~ | ~~clear~~ |
| 946 | 6 | 22.6 | 1060 | 8.33 | clear |
| 948 | 8 | End | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | PZ-10 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 27.09
DTW @ SAMPLE = 25.06

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Pablo Cortez PAGE 7 OF 8

# KMEP, L.P. GROUNDWATER MONITORING PROGRAMS
## WATER SAMPLING FIELD DATA SHEET

SITE LOCATION: KMEP Norwalk
OWNER/CONTACT: Steve Osborn - KMEP
PERSONNEL: Pablo Cortez

DATE: 2/21/08
SAMPLING EVENT: (Circle Below)
Qtr: (1st) 2nd 3rd 4th

| Well Number | MW-SF-1 |
|---|---|
| Well Diameter | 6 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 29.50 |
| NAPH Thickness | |
| Total Well Depth | 50.65 |
| Gals Per Foot | |
| Well Casing Vol. | 93 (3) |
| Gallons Purged | 90 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1000 | Start | | | | |
| 1007 | 20 | 22.0 | 1611 | 8.11 | SI cloudy |
| 1017 | 40 | 22.7 | 1662 | 8.04 | clear |
| 1025 | 60 | 23.5 | 1643 | 8.07 | clear |
| 1035 | 80 | 23.7 | 1650 | 8.01 | clear |
| 1040 | 90 | End | | | |
| | | | | | |
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | MW-SF-1 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 33.73
DTW @ SAMPLE = 29.34

| Well Number | EXP-2 |
|---|---|
| Well Diameter | 4 |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | 51.49 |
| NAPH Thickness | |
| Total Well Depth | 128.00 |
| Gals Per Foot | |
| Well Casing Vol. | 153 (3) |
| Gallons Purged | 155 |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1053 | Start | | | | |
| 1058 | 20 | 20.6 | 1256 | 8.28 | clear |
| 1103 | 40 | 20.3 | 1251 | 8.22 | clear |
| 1110 | 60 | 20.8 | 1231 | 8.15 | clear |
| 1115 | 80 | 20.2 | 1226 | 8.13 | clear |
| 1121 | 100 | 20.8 | 1214 | 8.08 | clear |
| 1126 | 120 | 21.1 | 1211 | 8.05 | clear |
| 1132 | 140 | 20.6 | 1198 | 7.99 | clear |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | EXP-2 | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | ✓ | VAC TRUCK |

Comments:
80% Recharge = 66.79
DTW @ SAMPLE = 51.41

| Well Number | EXP-2 |
|---|---|
| Well Diameter | |
| Well Condition | |
| Depth to NAPH | |
| Depth to Water | |
| NAPH Thickness | |
| Total Well Depth | |
| Gals Per Foot | |
| Well Casing Vol. | |
| Gallons Purged | |
| Water Condition | |
| Recovery Rate | |

| Time | Gal | Temp | Ec | pH | Turb. |
|---|---|---|---|---|---|
| 1135 | 155 | End | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| SAMPLE RECORD | | PURGE RECORD | |
|---|---|---|---|
| ID | | | PUMP |
| TIME | | | BAILER |
| | BTEX 8020 | | GRAP |
| | MTBE 8020 | | HC ODOR |
| | TVPH 8015-M | | NAPH SHEEN |
| | TEPH 8015-M | | NAPH LAYER |
| | TRPH 418.1 | MAINTENANCE | |
| | D.O. (mg/L) | | NEW MWS |
| | | | NEW LOCK |
| | | | |

Comments:
80% Recharge =
DTW @ SAMPLE =

ANALYTICAL LABORATORY: Alpha Analytical
DATE SENT: 2/22/08 DELIVERY METHOD: FedEx
SAMPLES COLLECTED BY: Pablo Cortez PAGE 8 OF 8

**Billing Information:**
Name Kinder Morgan Energy Partners
Address 1100 Town and Country
City, State, Zip Orange, CA
Phone Number _____ Fax _____

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

**Samples Collected From Which State?**
AZ ___ CA ✓ NV ___ WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

10087

Client Name: SECOR Int. Inc.
Address: 11085 Knott Ave, Suite B
City, State, Zip: Cypress, CA 90630
P.O. #: KMEP - NORWALK
Job #:
EMail Address: awagner@secor.com
Phone #: 714) 379-3366
Fax #: 714) 379-3375
Report Attention: Shiow-Whei Chou egeoanalytic
Sampled by: Angie Wagner

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

Analyses Required

| Time Sampled | Date Sampled | Matrix* See Key Below | Office Use Only Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | VOCs w/MTBE (8260B) | TPHg (8015M) | TPHfp (8015M) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2/20/08 | AQ | | GMW-0-16 | N | No | 8 VOA | X | X | X | |
| 1300 | | | | GMW-36 | | | 8 VOA | X | X | X | |
| 1325 | | | | MW-8 | | | 8 VOA | X | X | X | |
| 1415 | | | | GMW-39 | | | 7 VOA | X | X | X | |
| 1440 | | | | EXP-1 | | | 8 VOA | X | X | X | |
| | | | | GMW-0-14 | | | | X | X | X | |
| 1600 | | | | PZ-5 | | | | X | X | X | |
| 1630 | | | | EXP-5 | | | | X | X | X | |
| 1645 | | | | GMW-0-3 | | | | X | X | X | |
| 1700 | | | | GMW-0-2 | | | | X | X | X | |
| 1720 | | | | GMW-0-1 | | | | X | X | X | |
| — | | | | ZDS-1 | | | | X | X | X | |
| — | | | | ZDS-2 | | | | X | X | X | |

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | Ang- Wag- | Angie Wagner | SECOR | 2/20/08 | 19:00 |
| Received by | Pablo Cortez | Pablo Cortez | SECOR | 2/20/08 | 19:00 |
| Relinquished by | Pablo Cortez | Pablo Cortez | SECOR | 2/21/08 | 19:00 |
| Received by | FEDEX AIR BILL NO. 8623 1059 9936 | | | | |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other

**: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analys

**Billing Information:**
Name Kinder Morgan Energy Partners
Address 1100 Town and Country
City, State, Zip Orange, CA
Phone Number _____ Fax _____

**Alpha Analytical, Inc.**
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

**Samples Collected From Which State?**
AZ ___ CA ✓ NV ___ WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

10087

Client Name: SECOR Int. Inc.
Address: 11085 Knott Ave. Suite B
City, State, Zip: Cypress, CA 90630
P.O. #: KMEP-Norwalk
Job #:
EMail Address: awagner@secor.com
Phone #: (714) 379-3366
Fax #: (714) 379-3375
Report Attention: Shiow-Whei Chow@ 925 matrix
Sampled by: Pablo Cortez

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

| Time Sampled | Date Sampled | Matrix* See Key Below | Office Use Only / Lab ID Number | Sample Description | TAT | Field Filtered | Total and type of containers ** See below | VOCs w/MTBE (8260B) | TPH g (8015M) | TPH D/P (8015M) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1652 | 2/21/08 | AQ | | WCW-13 | N | No | 8 VOA | X | X | X | |
| 1450 | | | | MW-SF-1 | N | No | | X | X | X | |
| 1415 | | | | PZ-10 | N | No | | X | X | X | |
| 1537 | | | | EXP-2 | N | No | | X | X | X | |
| 1723 | | | | WCW-7 | N | No | | X | X | X | |
| 1615 | | | | WCW-3 | N | No | | X | X | X | |
| 1215 | | | | EXP-3 | N | No | | X | X | X | |
| 1345 | | | | GMW-1 | N | No | | X | X | X | |
| 1315 | | | | MW-SF-4 | N | No | | X | X | X | |
| — | — | | | Trip Blank | N | No | 3 VOA | X | X | X | |

**ADDITIONAL INSTRUCTIONS:**

| | Signature | Print Name | Company | Date | Time |
|---|---|---|---|---|---|
| Relinquished by | Pablo Cortez | Pablo Cortez | SECOR | 2/21/08 | 19:00 |
| Received by | FEDEX Air Bill | No. 862310599936 | | | |
| Relinquished by | | | | | |
| Received by | | | | | |
| Relinquished by | | | | | |
| Received by | | | | | |

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other

**: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analys

# NIETO & SONS TRUCKING, INC.

License # 673912
1281 Brea Canyon Road • Brea, CA 92821
Mail Address: P.O. Box 760 • Yorba Linda, CA 92885-0760
(714) 990-6855 • FAX (714) 990-4862

DT 107050

JOB DATE 02 / 20 / 08

Su M Tu (W) Th F Sa

| COMPANY SOLD TO | ORDER DATE | ORDER TIME | P.O. NUMBER |
|---|---|---|---|
| BELSHIRE ENVIRONMENTAL SERVICES | / / | | 150134 |

ORDERED BY: LARRY/BRIAN
JOB SITE CONTACT: Secor
JOB SITE: Kinder Morgan
15306 Norwalk Blvd.
Norwalk

| DRIVER | HELPER | TRUCK NO. | TRAILER NO. | TRUCK NO. | START TIME |
|---|---|---|---|---|---|
| Richard Duran | ********** | 238 | ********** | ********** | 5:30 |

DESCRIPTION OF WORK REQUESTED

THERE AT: 7:00 a.m. Fluid from wells - Air Assist Required

Off Load All Fluid on Site - Day 2 of 2 onsite

HAZ/NON-HAZ TO On Site OFF LOAD ON SITE: [X] YES [ ] NO 70 BBL / 100 BBL

ESTIMATED WELLS: ± 5 WELL TRUCK [X] YES [ ] NO

**EQUIPMENT NEEDED:** 30 STINGERS AIR ASSIST REQUIRED: [X] YES [ ] NO

FEET OF EXTRA HOSE BIO-SLURP: [ ] YES [ ] NO

**DRIVER'S TIME REPORT**

| DATE | YARD DEPART | JOB ARRIVE | JOB DEPART | DUMP SITE ARRIVE | DUMP SITE DEPART | YARD ARRIVE | LUNCH | TOTAL HOURS |
|---|---|---|---|---|---|---|---|---|
| 02/20/08 | 5:30 AM | 6:40 AM | 4:30 PM | | | | / | |

WORK PERFORMED

MANIFEST #: ∅ # OF GALLONS: ∅ # OF WELLS: 9 # OF DRUMS: ∅ # OF TANKS: ∅

AIR ASSIST LINE INSTALLED TODAY: [ ] YES [ ] NO AIR ASSIST USED: [X] YES [ ] NO SOLIDS/SILT ∅ %

SPECIAL EQUIPMENT USED (HOSES, FITTINGS, STINGERS): water sample tube Dedicate stingers to wells used Air Assist for well and off load on site

**STINGERS USED** 50 FT

| DRIVER SIGNATURE | TRUCK NUMBER | CUSTOMER SIGNATURE | DATE |
|---|---|---|---|
| Richard Duran | 238 | X | 2/20/08 |

★★★ 24 HOUR SERVICE ★★★ CUSTOMER COPY

License # 673912
1281 Brea Canyon Road • Brea, CA 92821
Mail Address: P.O. Box 760 • Yorba Linda, CA 92885-0760
(714) 990-6855 • FAX (714) 990-4862

DT 107097

JOB DATE 02 / 21 / 08

Su M Tu W Th F Sa

| COMPANY SOLD TO | ORDER DATE | ORDER TIME | P.O. NUMBER |
|---|---|---|---|
| BELSHIRE ENVIRONMENTAL SERVICES | / / | | 150134 |
| ORDERED BY: LARRY/BRIAN | JOB SITE: Kinder Morgan | | |
| JOB SITE CONTACT: Secor | 15306 Norwalk Blvd. | | |
| | Norwalk | | |

| DRIVER | HELPER | TRUCK NO. | TRAILER NO. | TRUCK NO. | START TIME |
|---|---|---|---|---|---|
| Richard Duran | ********** | 238 | ********** | ******* | 530AM |

DESCRIPTION OF WORK REQUESTED

THERE AT: 7AM Fluid from wells - Air Assist Required

Off Load All Fluid on Site

HAZ/NON-HAZ TO On Site OFF LOAD ON SITE: ☒ YES ☐ NO 70 BBL / 100 BBL

ESTIMATED WELLS: ± 5 WELL TRUCK ☒ YES ☐ NO

**EQUIPMENT NEEDED:** 30 STINGERS AIR ASSIST REQUIRED: ☒ YES ☐ NO

_____ FEET OF EXTRA HOSE BIO-SLURP: ☐ YES ☐ NO

**DRIVER'S TIME REPORT**

| DATE | YARD DEPART | JOB ARRIVE | JOB DEPART | DUMP SITE ARRIVE | DUMP SITE DEPART | YARD ARRIVE | LUNCH | TOTAL HOURS |
|---|---|---|---|---|---|---|---|---|
| 02/21/08 | 5AM | 6 4½ AM | 12 PM | | | | / | |

WORK PERFORMED

MANIFEST #: 0 # OF GALLONS: 0 # OF WELLS: 6 # OF DRUMS: 0 # OF TANKS: 0

AIR ASSIST LINE INSTALLED TODAY: ☐ YES ☒ NO AIR ASSIST USED: ☒ YES ☐ NO SOLIDS/SILT 0 %

SPECIAL EQUIPMENT USED (HOSES, FITTINGS, STINGERS): WATER SAMPLE JOB

DEDICATE STINGERS TO 1 WELL & PURGE TWO WELLS WITH AIR ASSIST OFF LOAD ON SITE

**STINGERS USED** 50 FT

| DRIVER SIGNATURE | TRUCK NUMBER | CUSTOMER SIGNATURE | DATE |
|---|---|---|---|
| Richard Duran | 238 | X | 2/21/08 |

★★★ **24 HOUR SERVICE** ★★★ CUSTOMER COPY

FedEx. US Airbill
Express

FedEx Tracking Number 8623 1059 9936

SAC11

Form ID No. 0215

Sender's Copy

**1 From** *Please print and press hard.*

Date 2/22/08 Sender's FedEx Account Number 2344-5369-6

Sender's Name EDANA FRUCIANO Phone (916)730-6027

Company ALPHA ANALYTICAL INC

Address 9921 HORN RD STE B Dept./Floor/Suite/Room

City SACRAMENTO State CA ZIP 95827-1946

**2 Your Internal Billing Reference** First 24 characters will appear on invoice.

OPTIONAL

**3 To**

Recipient's Name SAMPLE CONTROL Phone (800)283-1183

Company ALPHA ANALYTICAL INC

Recipient's Address 255 GLENDALE AVE STE 21 Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City SPARKS State NV ZIP 89431-5778

0366580703

**Schedule a pickup at fedex.com**
**Simplify your shipping. Manage your account. Access all the tools you need.**

**4a Express Package Service** *Packages up to 150 lbs.*

- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

**4b Express Freight Service** *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation.

** To most locations.

**5 Packaging**

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

* Declared value limit $500.

**6 Special Handling** — Include FedEx address in Section 3.

- [x] **SATURDAY Delivery** NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] **HOLD Weekday at FedEx Location** NOT Available for FedEx First Overnight.
- [ ] **HOLD Saturday at FedEx Location** Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**Does this shipment contain dangerous goods?** One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

**7 Payment** *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. or Credit Card No. 1222-9931-7 Exp. Date

| Total Packages | Total Weight | Total Declared Value† |
|---|---|---|
| | | $ .00 |

†Our liability is limited to $100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

**8 Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.

- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

519

Rev. Date 10/06•Part #158279•©1994–2006 FedEx•PRINTED IN U.S.A.•SRF

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.