

Table 1: May – June 2023 – Sites 2/12 GWTP and SVTU Statistics

| Monthly Statistics | Volume Treated | Temporal Average Flow | Percent of Time Online | COC Mass Removed (pounds) |
|-----------------------------------|--------------------------|-----------------------|------------------------|---------------------------|
| May 2023 GWTP | 3,225,600 gal | 72 gpm | 52 | 0.09 |
| June 2023 GWTP | 1,986,480 gal | 46 gpm | 34 | 0.07 |
| <i>Total since April 1999</i> | <i>2.326 billion gal</i> | | | <i>496.9</i> |
| May 2023 SVTU | 21,053,700 scf | 745 scfm | 63 | 0.17 |
| June 2023 SVTU | 21,948,300 scf | 739 scfm | 69 | 0.18 |
| <i>Total since September 2015</i> | <i>1.497 billion scf</i> | | | <i>10.9</i> |

Notes:

- gpm: gallon(s) per minute
- gal: gallon(s)
- COC: chemical of concern
- NC: Not calculated
- scf: standard cubic foot or feet
- scfm: standard cubic feet per minute

Remedial Summary

- **8 COCs:** 1,1-DCE; 1,2-DCA; chloroform; cis-1,2-DCE; PCE; total 1,3-DCP; TCE; and VC.
- **Remediation:** Pump and treat with GAC in the unconfined Upper 180-Foot Aquifer since 1999. Extraction wells added in 2007 and 2015.
- **Monitoring:** Quarterly groundwater monitoring and reporting, including annual 3Q monitoring and reports. Described in the most recent Groundwater QAPP.

May – June 2023 Key Events

- May 8: GWTP shutdown due to high water alarm on effluent tank, restarted after 12 hours offline.
- May 8-12: Second Quarter 2023 SGMP event.
- May 12: SVTU restarted.
- May 15-19: Second Quarter 2023 GWMP event.
- June 6: GWTP shutdown due to high water alarm on effluent tank, restarted after 12 hours offline.
- June 9: GWTP shutdown due to faulty leak detector. Replaced and left offline for pulse pumping cycle.
- June 21: Shut down SVTU to evaluate for soil gas COC rebound.
- June 23: Baseline soil gas sampling at SG-12-04-10, -20, and -65 with SVTU offline.

Future Key Events

- Shea Homes or Monterey Motorsports may decommission EW-12-04-180U, EW-12-04-180M, and MW-12-05-180 (no date set).
- Shea Homes or The Brass Tap may decommission SG-12-18 (no date set).

May – July 2023 Sites 2/12 Treated Water at TS-212-INJ did not exceed discharge limits



Table 2. Sites 2/12 Groundwater Extraction/Monitoring Well PCE Data

| Well Identification ¹ | Select COC Concentrations (µg/L) ² | | | | | | | | | | |
|----------------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1Q2022 | 2Q2022 | 3Q2022 | 4Q2022 | 1Q2023 | 2Q2023 | | | | | |
| | PCE | | | | | | | | | | |
| ACL: | 5.0 | | | | | | | | | | |
| EW-12-03-180M | ND (0.25) | ND (0.25) | 0.39 J | ND (0.25) | ND (0.25) | ND (0.25) | | | | | |
| EW-12-05-180M | 0.48 J | 0.67 | 0.56 | ND (0.25) | 0.46 J | 0.44 J | | | | | |
| | | 0.50 | 0.50 | | | 0.49 J | | | | | |
| | | 0.61 | 0.52 | | | 0.50 | | | | | |
| | | | | | | 0.47 J | | | | | |
| EW-12-07-180M | ND (0.25) | 0.11 J | ND (0.25) | ND (0.25) | ND (0.25) | 0.13 J | | | | | |
| | | | | | | 4.5 | 5.1 | 9.6 | 9.1 | | |
| | | | | | | 5.4 | 5.2 | 10.8 | 8.7 | | |
| | | | | | | 6.9 | 4.7 | 3.3 | 4.7 | | |
| | | | | | | 7.1 | 5.8 | 3.1 | 4.2 J- | | |
| EW-12-08-180U | 4.0 | 3.3 J- | 4.5 | 5.1 | 9.6 | 9.1 | | | | | |
| | | | | | | 2.3 | 11.2 | 6.9 | 5.2 | 3.3 | 4.7 |
| | | | | | | 2.5 | 3.3 | 7.1 | 5.8 | 3.1 | 4.2 J- |
| | | | | | | 2.1 | 11.1 | 6.9 | 6.4 | 3.6 | 5.9 |
| MW-12-09R-180 | 0.20 J | 0.14 J | 0.65 | 0.16 J | 0.12 J | 0.14 J | | | | | |
| | | | | | | 0.20 J | 0.25 J | 0.27 J | 0.20 J | 0.20 J | 0.22 J |
| | | | | | | ND (0.25) | ND (0.25) | ND (0.25) | ND (0.25) | ND (0.25) | ND (0.25) |
| | | | | | | 0.51 | 0.70 J- | 1.0 | 0.73 | 0.68 | 6.2 |
| MW-12-20-180U | 0.51 | 0.70 J- | 1.0 | 0.73 | 0.68 | 2.8 | | | | | |
| | | | | | | 0.29 J | 0.27 J | 0.24 J | 0.30 J | 0.11 J | 0.17 J |
| MW-12-21-180U | 0.29 J | 0.27 J | 0.24 J | 0.30 J | 0.11 J | 0.17 J | | | | | |
| MW-12-24-180U | 0.40 J | 0.34 J | 0.56 | 0.39 J | 0.43 J | 0.47 J | | | | | |
| MW-12-28-180U | 0.19 J | NS | 0.33 J | NS | NS | NS | | | | | |
| MW-12-30-180U | 0.40 J | 0.40 J | 0.39 J | 0.33 J | 0.24 J | 0.18 J | | | | | |
| MW-12-32-180U | 0.38 J | 0.35 J | 0.37 J | 0.34 J | 0.28 J | 0.18 J | | | | | |

Notes:

¹ Extraction wells not listed have met the QAPP decision rules to no longer operate.

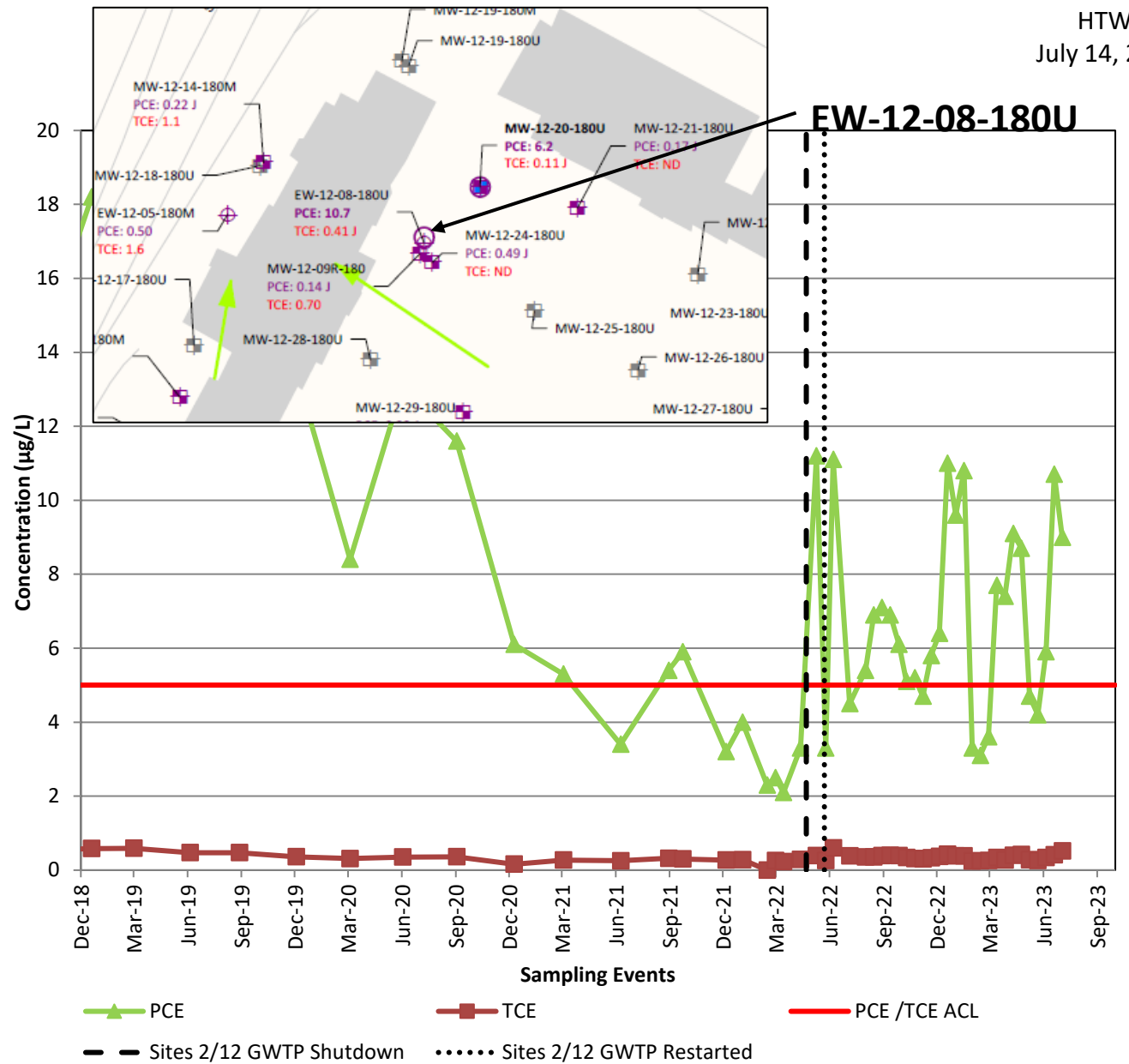
² Concentration in **bold** and shaded exceeds the Aquifer Cleanup Level (ACL). Concentrations in gray text are ND.

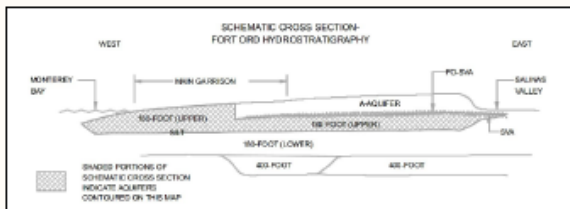
J: Estimated results below the limit of quantitation (LOQ)

ND: The analyte was not detected at or above the limit of detection (LOD)

COC: chemical of concern µg/L: micrograms per liter * Preliminary results

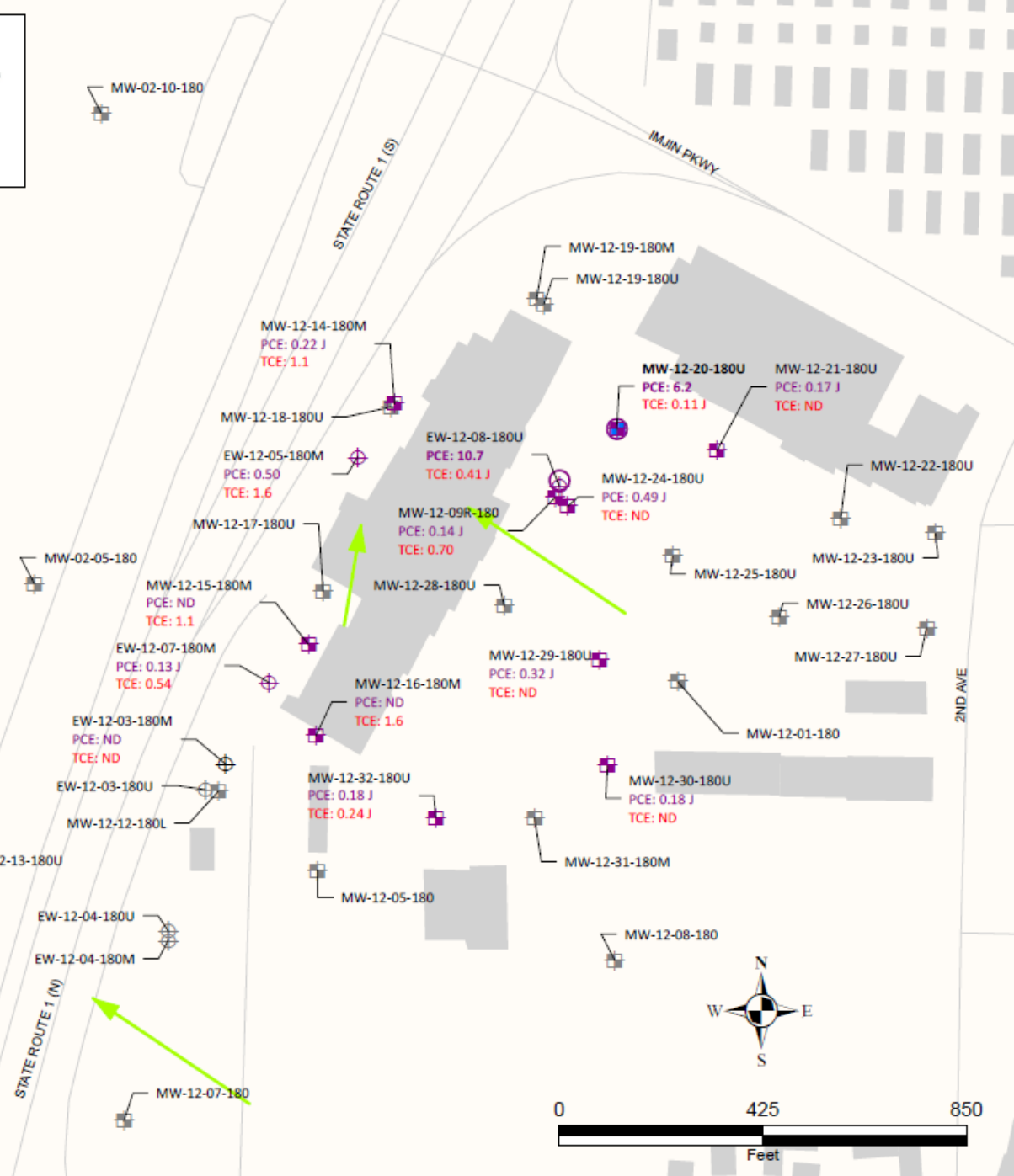
TCE concentrations less than ACL since first quarter 2018





EW-12-08-180U Samples for 2Q2023

| DATE | PCE | TCE |
|-----------|-------|--------|
| 4/10/2023 | 9.1 | 0.40 J |
| 4/24/2023 | 8.7 | 0.42 J |
| 5/8/2023 | 4.7 | 0.28 J |
| 5/22/2023 | 4.2 J | 0.26 J |
| 6/5/2023 | 5.9 | 0.34 J |
| 6/19/2023 | 10.7 | 0.41 J |



EXPLANATION

- Roads
- ➔ General groundwater flow direction
- ▒ Facilities
- Well Type and Tetrachloroethene (PCE)/ Trichloroethene (TCE) Detection**
- ⊕ Groundwater Extraction Well: PCE and TCE detection are below or equal to the ACL
- ⊖ Groundwater Extraction Well: PCE and TCE is non-detect
- ⊙ Groundwater Extraction Well: Well not sampled
- ⊕ Groundwater Monitoring Well: PCE detection is above the ACL and TCE is below or equal to the ACL
- ⊖ Groundwater Monitoring Well: PCE and TCE detection is less than or equal to ACL
- ⊙ Groundwater Monitoring Well: Well not sampled

- Chemicals of Concern (COC) Aquifer Cleanup Level (ACL) Exceedance Contour in µg/L**
- PCE
 - TCE - (no exceedance contour present in 2Q2023)
- 5
5
- ND Chemical of Concern (COC) is non-detect
 - Well ID - Sample Location and Probe Depth
 - EW-12-08-180U TCE and PCE concentration (µg/L) with validation/lab qualifier. Bold when exceeds the ACL.
 - PCE: 10.7
 - TCE: 0.41 J

- NOTES:**
- (1) Second quarter samples were collected between April 10, 2023 and June 22, 2023.
 - (2) EW-12-08-180U was sampled more frequently than quarterly during the reporting period. The highest concentration of COCs detected are presented in the figure, and all results are included in a table.
 - (3) Contour is based on one interpretation of the data that was available at the time this report was prepared; other interpretations may be possible.
 - (4) Contours based on highest value obtained from multiple bags where applicable.
 - (5) PCE and other COC ACL exceedance plumes are illustrated when present.

GROUNDWATER PCE/TCE CONCENTRATIONS
UPPER 180-FOOT AQUIFER WEST OF THE SVA
SECOND QUARTER 2023
Sites 2 and 12, Second Quarter 2023
Groundwater and Soil Gas Monitoring and Treatment
System Report, Former Fort Ord, California

DRAFT

SVETS Operation Summary

- Four SVE wells operated based on COC exceedance observed in soil gas probes
- SVTU discharge in compliance with Monterey Bay Air Resources District rules (COCs are not detected in the effluent)
- SVETS in operation 33 days before 1Q2023 samples were collected
- Rebound minimal following 2Q2023 sampling event. Restarted SVETS on May 12.
- SVETS shutdown June 21 and baseline sampling conducted June 23 (SG-12-04-10, -20, -and 65)
- Rebound to be assessed following 3Q2023 sampling event

Table 3. Sites 2/12 SVETS PCE and TCE Monitoring Results

| SVETS ID | 2Q23 | 2Q23 |
|----------|------|------|
| | PCE | TCE |
| VE-12-02 | ND | ND |
| VE-12-06 | 51 J | ND |
| VE-12-08 | 64 J | ND |
| VE-12-09 | 120 | ND |
| SVTU-INF | ND | ND |
| SVTU-EFF | ND | ND |

Notes:

*Preliminary results

J = estimated result below the limit of quantitation (LOQ)

ND = not detected above the limit of detection (LOD)

NS = not sampled

Concentrations in **bold** exceed the SGCL

Concentrations in *italics* exceed the SG-SL

Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

| | SGCL ($\mu\text{g}/\text{m}^3$) | SG-SL ($\mu\text{g}/\text{m}^3$) |
|-----|--------------------------------------|---------------------------------------|
| PCE | 1,800 | <i>603</i> |
| TCE | 1,000 | <i>888</i> |

Table 4. Sites 2/12 Soil Gas PCE and TCE Monitoring Results

| Soil Gas Probe ID | Schedule | 2Q22 | 3Q22 | 4Q22 | 1Q23 | 2Q23 |
|-------------------|----------------|------|--------------------|-------|------|------------|
| | | PCE | | | | |
| SG-12-01-65 | Q | NS | 550 [^] | 460 | NS | 350 |
| SG-12-02-10 | Q ¹ | 920 | 1,200 [^] | 1,100 | 580 | 700 |
| SG-12-02-20 | A | NS | 760 | NS | NS | NS |
| SG-12-02-30 | A | NS | 750 | NS | NS | NS |
| SG-12-02-40 | A | NS | 760 | NS | NS | NS |
| SG-12-02-50 | A | NS | 650 | NS | NS | NS |
| SG-12-02-57 | A | NS | 790 | NS | NS | NS |
| SG-12-02-65 | R | NS | NS | NS | NS | NS |
| SG-12-04-10 | Q ³ | 350 | 400 [^] | 480 | ND | 140 99* |
| SG-12-04-20 | Q ³ | 320 | 380 | 440 | 44 J | 110 98* |
| SG-12-04-40 | Q ³ | 260 | 390 | 410 | 68 | 110 |
| SG-12-04-50 | Q ³ | 260 | 330 | 380 | 69 J | 130 |
| SG-12-04-58 | Q ³ | 230 | 300 | 320 | 110 | 100 |
| SG-12-04-65 | Q ³ | 320 | 500 | 400 | 93 | 130 97* |
| SG-12-06-10 | Q ¹ | 260 | 290 | 340 | ND | 100 |
| SG-12-06-70 | Q ² | 310 | 330 | 420 | ND | 150 |
| SG-12-07-65 | Q | 670 | 750 | 660 | ND | 420 |
| SG-12-17-60 | Q | ND | ND | ND | ND | ND |
| SG-12-20-10 | A | NS | 1,400 | NS | NS | NS |
| SG-12-20-20 | A | NS | 1,000 | NS | NS | NS |
| SG-12-20-70 | Q | 410 | 440 | NS | NS | 120 |

| 2Q22 | 3Q22 | 4Q22 | 1Q23 | 2Q23 |
|--------------|--------------------------|--------------|------|-------------|
| TCE | | | | |
| NS | 38 J [^] | ND | NS | ND |
| ND | ND [^] | ND | ND | ND |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| NS | NS | NS | NS | NS |
| 2,400 | 2,400[^] | 2,500 | 59 | 360 170* |
| 2,000 | 2,300 | 2,200 | 130 | 300 170* |
| 1,400 | 2,500 | 1,900 | 150 | 220 |
| 1,400 | 2,000 | 2,000 | 170 | 300 |
| 1,000 | 1,500 | 1,400 | 160 | 120 |
| 2,200 | 3,000 | 1,900 | 290 | 290 170* |
| ND | ND | ND | ND | ND |
| ND | ND | ND | ND | ND |
| 42 J | 51 J | 39 J | ND | ND |
| 620 | 830 | 610 | ND | 70 |
| NS | ND | NS | NS | NS |
| NS | ND | NS | NS | NS |
| ND | ND | NS | NS | ND |

| Last Exceedance | | | |
|-----------------|------|-------|------|
| PCE | | TCE | |
| SG-SL | SGCL | SG-SL | SGCL |
| 2Q15 | 4Q13 | -- | -- |
| 4Q22 | 3Q15 | -- | -- |
| 3Q22 | 4Q13 | -- | -- |
| 3Q22 | -- | -- | -- |
| 3Q22 | -- | -- | -- |
| 3Q22 | -- | -- | -- |
| 3Q22 | -- | -- | -- |
| 3Q18 | -- | -- | -- |
| 2Q15 | -- | 4Q19 | 4Q22 |
| 3Q15 | -- | -- | 4Q22 |
| 1Q15 | -- | -- | 4Q22 |
| 1Q15 | -- | 3Q21 | 4Q22 |
| 1Q15 | -- | 2Q22 | 4Q22 |
| 1Q15 | -- | 2Q21 | 4Q22 |
| 3Q15 | -- | -- | -- |
| 1Q17 | -- | -- | -- |
| 4Q22 | 3Q15 | -- | -- |
| -- | -- | -- | 4Q15 |
| 3Q22 | 3Q15 | -- | -- |
| 3Q22 | 2Q15 | -- | -- |
| 3Q15 | 2Q15 | -- | -- |

Notes:

- *Preliminary results – rebound baseline
- [^] Follow-up sample result
- = Never
- A = Annual
- J = estimated result below the limit of quantitation (LOQ)
- INV = investigation (adjacent probe above SGCL/SG-SL)
- ND = not detected above the limit of detection (LOD)
- NS = not sampled
- Q = Quarterly
- R = Removed
- Concentrations in **bold** exceed the SGCL
- Concentrations in *italics* exceed the SG-SL
- Results reported in micrograms per cubic meter (µg/m³)
- ¹ Quarterly probe due to proximity of store front in an area of historic soil gas concentrations above the SGCL.
- ² Will continue to sample probe quarterly if it is within the vicinity of the current groundwater plume above the ACL (probe adjacent to deepest probe will be sampled in lieu if deepest probe is in saturated zone).
- ³ Quarterly probe due to concentration above SGCL.

| | SGCL (µg/m ³) | SG-SL (µg/m ³) |
|-----|---------------------------|----------------------------|
| PCE | 1,800 | <i>603</i> |
| TCE | 1,000 | <i>888</i> |



EXPLANATION

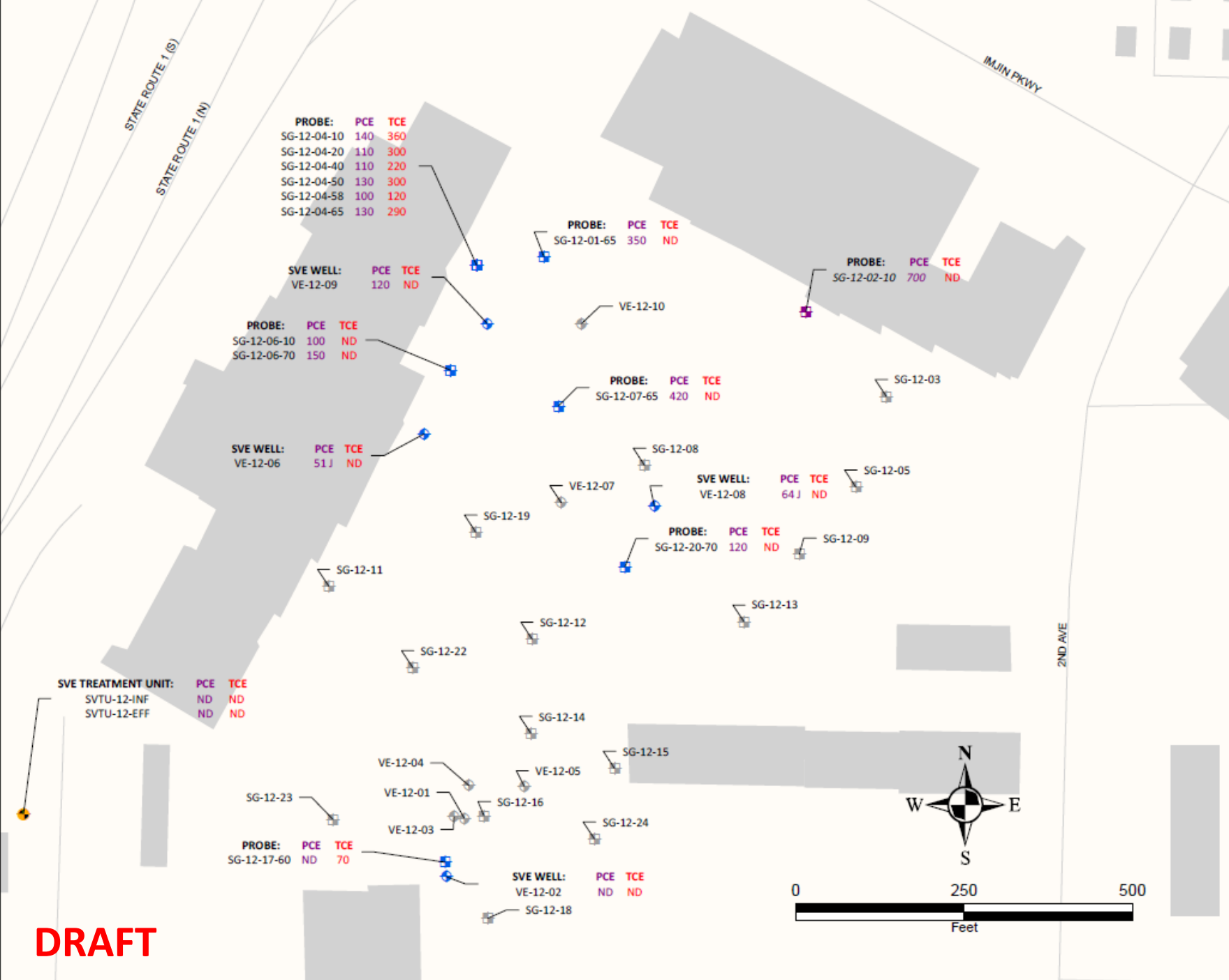
- Roads
- ▒ Facilities
- Well Type and COC Concentration**
- ⊕ Soil Vapor Treatment Unit (SVTU)
- ⊙ SVTU
- ⊕ Soil Gas Probe Cluster: Tetrachloroethene (PCE) is above the SG-SL but below the SGCL and trichloroethene (TCE) is below the SG-SL
- ⊕ Soil Gas Probe Cluster: PCE and TCE is below or equal to SG-SL
- ⊕ Soil Vapor Extraction (SVE) Well: PCE and TCE is below or equal to SG-SL
- ⊕ Soil Gas Probe Cluster: Probes not sampled
- ⊕ SVE Well: Extraction well not sampled

ND Chemical of Concern (COC) is non-detect

Well ID - Sample Location and Probe Depth
 TCE and PCE concentration (µg/L) with validation/lab qualifier.
 Italics when exceeds the SG-SL
 Bold when exceeds the SGCL.

- NOTES:**
- (1) Samples were collected between May 8, 2023 and May 11, 2023 while the SVETS was not in operation.
 - (2) SGCL refers to Soil Gas Cleanup Level
 - (3) SG-SL refers to Soil Gas Screening Level

SOIL GAS PCE/TCE CONCENTRATIONS AND SGCL EXCEEDANCES
 SECOND QUARTER 2023
 Sites 2 and 12, Second Quarter 2023
 Groundwater and Soil Gas Monitoring and Treatment System Report, Former Fort Ord, California



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