

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2007-0827

CALIFORNIA WATER CODE SECTION 13267
FOR
AMERIPRIDE SERVICES, INC.
7620 WILBUR WAY, SACRAMENTO
SACRAMENTO COUNTY

AmeriPride Services, Inc. (hereafter referred to as Discharger) owns and operates an industrial laundry facility under the name AmeriPride Uniform Services on its property at 7620 Wilbur Way, Sacramento (hereafter referred to as Site). Soil and groundwater beneath the site are polluted with volatile organic compounds (VOCs), primarily tetrachloroethylene (PCE). Groundwater is approximately 75 feet below ground surface and a groundwater VOC plume extends approximately 2,000 feet hydraulically downgradient to the east of the site.

VOC pollution has impaired the beneficial uses of this water resource. One municipal supply well, the Wilbur #1, and two industrial supply wells, the Chinet #1 and Chinet #2, were polluted by the VOC plume and have been properly closed under Sacramento County and Regional Water Board supervision. One municipal supply well, the Wilbur #2 is threatened by the VOC plume and has been taken off line.

In order to address impacted soil in the source area, AmeriPride installed and began operating a soil vapor extraction system in 2003. In 2005, AmeriPride installed and began operating a groundwater extraction and treatment (GWE&T) system to address source area groundwater impacts. AmeriPride will install a second GWE&T system (OU-3 Phase 1) further downgradient to contain the entire plume and treat downgradient groundwater impacts. This system is scheduled to begin operation by January 2008. After the Phase 1 system has operated for approximately one year, AmeriPride plans to install the OU3 Phase 2 groundwater extraction and treatment system in the central portion of the VOC plume.

As the owner of the property, you are considered a person who has discharged, discharges, or is suspected of having discharged or discharging waste within the region. You own the property where the waste is located and the evidence contained in the Regional Water Board files indicates that the activities at the site produced waste and it is present at the site. Therefore, you are required to comply with the requirements in this Monitoring and Reporting Program (MRP).

This MRP is issued pursuant to Section 13267 of the California Water Code and is necessary to delineate groundwater pollutant plumes and determine whether remediation efforts are effective and in compliance with Cleanup and Abatement Order No. R5-2003-0723. Existing data and information about the site show the presence of VOCs, including PCE, trichloroethylene (TCE) and cis-1,2 dichloroethylene (cis-1,2 DCE), emanating from the property under the control of the Discharger.

The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

Prior to construction of any new groundwater monitoring or extraction wells and prior to abandonment of any groundwater monitoring or extraction wells, the Discharger shall submit plans and specifications to the Board for review and concurrence. Once installed, all new wells shall be added to the monitoring program and shall be sampled and analyzed according to the schedule below.

GROUNDWATER MONITORING

The Discharger has installed 34 groundwater monitoring wells, MW-1 through MW-12, MW-12DD, MW-13D, MW-13DD, MW-14, MW-15, MW-15D, MW-15DD, MW-16 through MW-21, MW-21D, MW-22, MW-22DD, MW-23, MW-24, MW-24D, MW-25, MW-26DD, and MW-27, as shown in Attachment 1. These 34 wells shall be monitored as shown on Table 1. Any wells installed subsequently to the issuance of this MRP shall be monitored quarterly for the constituents shown below. Sample collection and analysis shall follow standard EPA protocol.

Table 1

Well Designation	Constituents¹	EPA Analytical Method	Max. Detection Limit² (µg/l)³	Sampling Frequency
All wells	Depth to Groundwater	---	---	Quarterly
MW-1, 2, 5, 6, 7, 8, 10, 12, 14, 15, 15D, 16, 20, 21, 22, 25, all new wells ⁴ .	Volatile Organic Compounds (VOCs) including tetrachloroethylene trichloroethylene cis-1,2 dichloroethylene, trans-1.2 dichloroethylene	8260	0.5	Quarterly
MW-3, 4, 11, 12DD, 18 19, 23, 24	VOCs including tetrachloroethylene trichloroethylene cis-1,2 dichloroethylene, trans-1.2 dichloroethylene	8260	0.5	Semiannually 1 st and 3 rd quarters
MW-9, 13D, 13DD, 15DD, 17, 21D, 22DD, 24D, 26DD, 27	VOCs including tetrachloroethylene trichloroethylene cis-1,2 dichloroethylene, trans-1.2 dichloroethylene	8260	0.5	Annually 3 rd quarter

- ¹ Discharger must analyze for and report all detections identified by EPA Method 8260B in the normal course of analysis for the constituents of concern. All estimated concentrations shall be reported.
- ² For nondetectable results.
- ³ micrograms per liter
- ⁴ All new wells shall be sampled and analyzed quarterly for at least one year, after which the Discharger may request the Regional Water Board to reduce the frequency.

REPORTING

1. When reporting data, the Discharger shall arrange the information in tabular form so that the date, the constituents and the concentrations are readily discernible. The data shall be summarized in such a manner as to illustrate clearly the compliance with this Order. In addition, the Discharger shall notify the Board within 72 hours of any unscheduled shutdown of Operable Unit 1 Soil Vapor Extraction System, Operable Unit 2 Groundwater Extraction and Treatment System, and after it has been installed and normal operation began Operable Unit 3 Groundwater Extraction and Treatment System, except in the situation when the system was down less than 72 hours due to a power outage or computer system fault. All scheduled and unscheduled shutdowns must be reported in the Quarterly Reports.
2. As required by the California Business and Professions Code Sections 6735, 7835, and 7835.1, all reports shall be prepared by a registered professional or their subordinate and signed by the registered professional.
3. Quarterly electronic data reports, which conform to the requirements of the California Code of Regulations, Title 23, Division 3, Chapter 30, shall be submitted electronically over the internet to the Geotracker database system by the **1st day of the second month following the end of each calendar quarter (i.e., by 1 February, 1 May, 1 August, and 1 November)**, until such time as the Executive Officer determines that the reports are no longer necessary.
4. Quarterly reports shall be submitted to the Board by the **1st day of the second month following the end of each calendar quarter (i.e., by 1 February, 1 May, 1 August, and 1 November)** until such time as the Executive Officer determines that the reports are no longer necessary. Each quarterly report shall include the following minimum information:
 - (a) A description and discussion of the groundwater sampling event and results, including trends in the concentrations of pollutants and groundwater elevations in the wells, changes in horizontal and vertical groundwater flow directions over time, how and when samples were collected, and whether the pollutant plume(s) is delineated.
 - (b) If groundwater horizontal or vertical flow directions changes, the Discharger needs to discuss the affect of the change on the remedial systems' effectiveness

and propose changes to the remedial system to improve efficiency in response to the change in flow direction.

- (c) Field logs that contain, at a minimum, water quality parameters measured before, during, and after purging, method of purging, depth of water, volume of water purged, etc.
 - (d) Groundwater contour maps for all groundwater zones
 - (e) Isocontour pollutant concentration maps for all groundwater zones.
 - (f) A table showing well construction details such as well number, groundwater zone being monitored, coordinates (northings and eastings), ground surface elevation, reference elevation, elevation of screen, elevation of bentonite, elevation of filter pack, and elevation of well bottom.
 - (g) Cumulative data tables containing the water quality analytical results and depth to groundwater.
 - (h) A copy of the laboratory analytical data report.
 - (i) The status of any ongoing remediation, including:
 - Cumulative mass removal rates and mass removal graph for each system.
 - Operational history for each system (hours operated during the quarter).
 - Evaluation of each system's effectiveness.
 - Volume of extracted groundwater (if applicable).
 - (j) The reasons for and duration of all interruptions in the operation of any remediation system. Actions planned or taken to correct and prevent interruptions, especially if the systems fail to operate, at a minimum, 90% of the time.
 - (k) An identification of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
 - (l) If desired, a proposal and rationale for any revisions to the groundwater sampling plan frequency and/or list of analytes.
5. An Annual Report shall be submitted to the Board by **1 February** of each year. This report shall contain an evaluation of the effectiveness and progress of the investigation and remediation, and may be substituted for the fourth quarter monitoring report. The Annual Report shall contain the following minimum information:

- (a) Both tabular and graphical summaries of all data obtained during the previous year and tabular summaries of all historical data.
 - (b) Groundwater contour maps and pollutant concentration maps containing all data obtained during the previous year.
 - (c) A discussion of the long-term trends in the concentrations of the pollutants in the groundwater monitoring wells.
 - (d) An analysis of whether the pollutant plume is being captured by an extraction system or is continuing to spread.
 - (e) A description of all remedial activities conducted during the year, an analysis of their effectiveness in removing the pollutants, and plans to improve remediation system effectiveness.
 - (f) The anticipated date for completion of cleanup activities.
 - (g) An identification of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.
 - (h) If desired, a proposal and rationale for any revisions to the groundwater sampling plan frequency and/or list of analytes.
6. The results of any monitoring done more frequently than required at the locations specified in the MRP also shall be reported to the Board. The Discharger shall implement the above monitoring program as of the date of this Order.

Ordered by:

PAMELA C. CREEDON, Executive Officer

(5 November 2007)

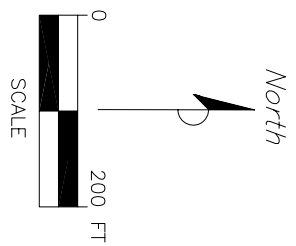
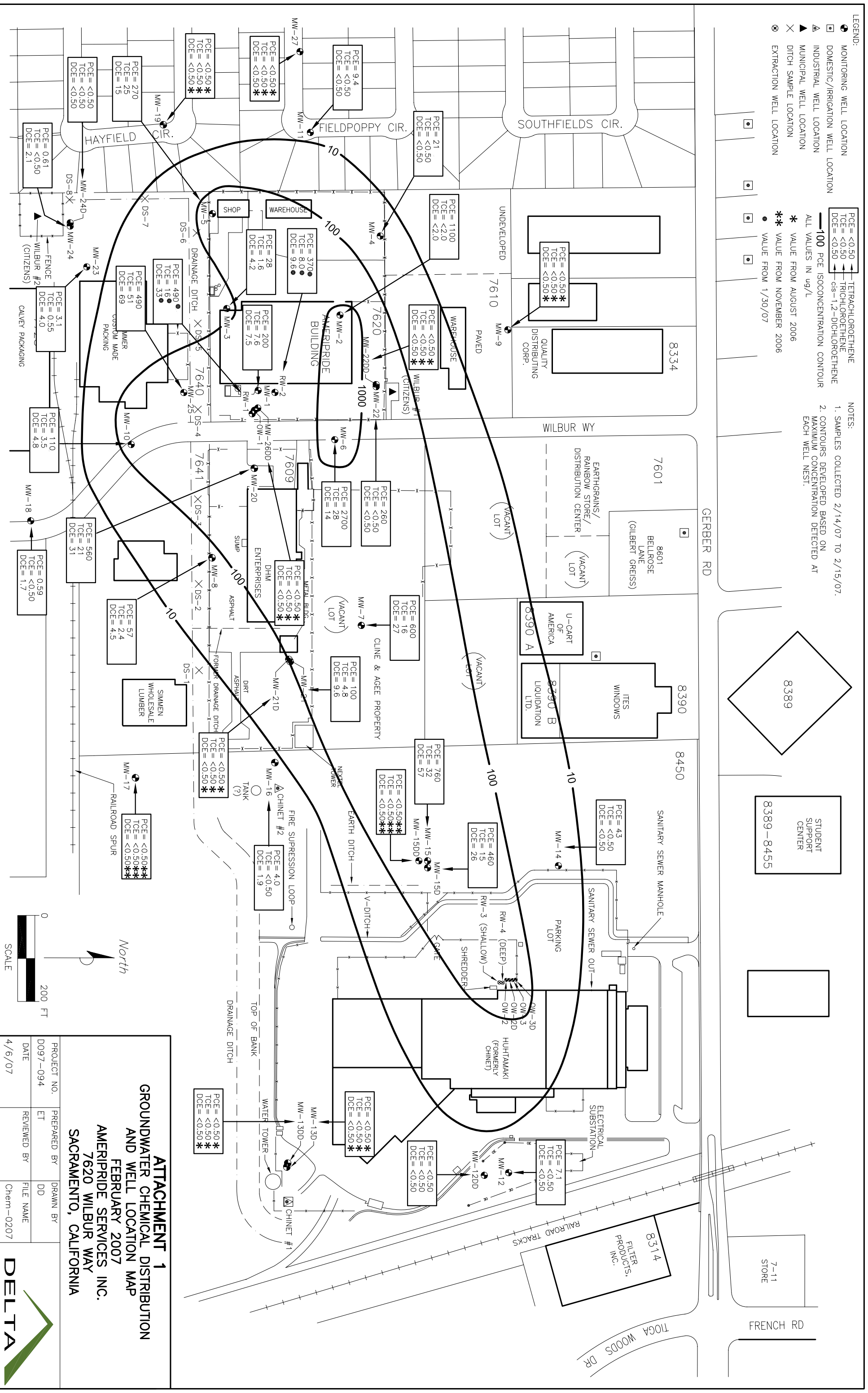
- LEGEND:
- ◻ MONITORING WELL LOCATION
 - ◻ DOMESTIC/IRRIGATION WELL LOCATION
 - ◻ INDUSTRIAL WELL LOCATION
 - ◻ MUNICIPAL WELL LOCATION
 - ✕ DITCH SAMPLE LOCATION
 - ⊗ EXTRACTION WELL LOCATION

PCE = <0.50
 TCE = <0.50
 DCE = <0.50

—100 PCE ISOCONCENTRATION CONTOUR
 ALL VALUES IN ug/l

* VALUE FROM AUGUST 2006
 ** VALUE FROM NOVEMBER 2006
 ● VALUE FROM 1/30/07

- NOTES:
1. SAMPLES COLLECTED 2/14/07 TO 2/15/07.
 2. CONTOURS DEVELOPED BASED ON MAXIMUM CONCENTRATION DETECTED AT EACH WELL NEST.



ATTACHMENT 1
GROUNDWATER CHEMICAL DISTRIBUTION
AND WELL LOCATION MAP
FEBRUARY 2007
AMERIRIDE SERVICES INC.
7620 WILBUR WAY
SACRAMENTO, CALIFORNIA

PROJECT NO. D097-094	PREPARED BY ET	DRAWN BY DD
DATE 4/6/07	REVIEWED BY	FILE NAME Chem-0207

DELTA