



April 25, 2022

RECEIVED

By PSTB at 12:31 pm, Apr 25, 2022

Ms. Renee Romero
New Mexico Environment Department
Petroleum Storage Tank Bureau
1914 West Second Street
Roswell, New Mexico 88201-1712

Re: Remediation System Installation – 3rd Month
Former Y Station, 721 Commerce Way, Clovis, New Mexico
Facility #53742, Release ID #4746, WPID #4227

Dear Ms. Romero:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this letter documenting installation of the remediation system at the above-referenced site. This report covers construction activities completed from March 1, through April 22, 2022.

EnviroWorks subcontracted with Armor Communications of Albuquerque, New Mexico, to complete road borings that were directionally drilled across North Prince Street and Commerce Way the week of March 7, 2022. Fourteen-inch-diameter DR11 high density polyethylene (HDPE) casings were field-welded and allowed to cure before being pulled through the horizontal borings. Conveyance pipe and associated conduit were installed in each casing per the engineering drawings. Soil vapor extraction (SVE) sumps were constructed at each end of the North Prince Street casing and at the north end of the boring across Commerce Way. The south end of the Commerce Way boring is a high point, so an SVE sump was not installed at that location in the Optical Source parking lot.

Major remediation equipment was delivered to the site on March 23, 2022 and placed in the equipment compound per the engineering drawings. Details of equipment procurement and delivery were provided in a separate report dated March 28, 2022. The week of April 4, 2022, New Mexico Gas Company (NM Gas) directionally drilled under the Albertson's parking lot to install the service line between the natural gas main and the meter location. EnviroWorks subcontracted with Mark Carpenter Plumbing of Clovis, New Mexico, to install the customer line through the equipment compound to the thermal oxidizer. Both the service and customer lines were pressure tested and inspected by the state inspector. Installation of the gas meter and start of service is scheduled for April 26, 2022.

Aboveground connections to the equipment were completed in the equipment compound to plumb the groundwater treatment container and the SVE container to the conveyance lines. EnviroWorks subcontracted with R&C Welding of Clovis, New Mexico, to complete welding of a flange fitting to the SVE outlet from the SVE container and extended 8-inch-diameter pipe to the oxidizer. Due to the short distance between the SVE container and

Daniel B. Stephens & Associates, Inc.

6020 Academy NE, Suite 100

Albuquerque, NM 87109

505-822-9400

FAX 505-822-8877

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oxidizer, welded steel pipe was used rather than threaded pipe and fittings. The flanged air dilution filter was installed on the SVE container in accordance with manufacturer instructions. Steel covers provided by the equipment manufacturer were also installed over the various louvers for each container. The nonaqueous-phase liquid (NAPL) storage tank was placed and plumbed using 2-inch-diameter threaded steel pipe. EnviroWorks transported the oxidizer catalyst module, which will be used during a later phase of operation and maintenance (O&M), to the PSTB storage unit in Santa Fe, New Mexico, on April 22, 2022. DBS&A coordinated the delivery with the PSTB equipment manager.

Submersible groundwater extraction pumps were provided by H2K Technologies (H2K) and installed by DZ Pumps of Clovis, New Mexico, in wells BW-7R, MW-11, MW-12, MW-13, MW-16, and RW-1 through RW-4 the weeks of March 14, 2022 and March 28, 2022. Pitless adapters were installed in the well casing and schedule 80 polyvinyl chloride (PVC) threaded drop pipe was installed with each pump. Water levels were measured prior to installing the pumps. The total depth (TD) of the wells was recorded during installation, and most pumps were installed six feet above the bottom of the well. The record drawings provide a table of well pump placement depths and TD for each well. The TD for MW-13 was higher than the original TD during construction of the well, suggesting that silt has accumulated in the well sump.

Throughout this period of construction, Enviroworks performed wellhead completion work at each wellhead. This required connecting conveyance pipes to the well casings, installing the required appurtenances per the engineering drawing details (flow meter, hose bibb, pressure gauge, and air release valve), filling the vault floors with clean gravel, and finishing the concrete aprons around each vault. Conveyance lines were pressure tested between March 24-30, 2022. One minor leak was detected in the connection to the SVE container and repaired. The other pressure tests passed with no leaks detected.

The SVE manifold in the equipment compound was constructed the week of April 18, 2022. Final construction of the manifold and the SVE cleanouts varies from the original design, which did not include a sump. The manifold risers tie into the conveyance lines and the SVE cleanouts via a PVC tee connection installed on each line at ground level. This change will be reflected on the record drawings that will be provided in the as-built report. Following construction of the manifold, the SVE inlet was connected to the SVE equipment container using 8-inch diameter SCH 40 PVC.

McNiel Electric (McNiel) of Peralta, New Mexico, is the project electrician and was instrumental in helping EnviroWorks complete the work. From March 19 through 21, 2022, McNiel pulled cable and wire from the nine remediation wells back to the equipment compound, including power, controls, and instrumentation for the submersible pumps. McNiel also completed electrical connections to the various panels for the major remediation equipment and installed the meter base and disconnect for the primary service, including the new service pole located just south of the equipment compound. DBS&A and McNiel coordinated with Xcel Energy (Xcel) to finalize the electric service, which is active.

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EnviroWorks performed other site work to finalize construction of the equipment compound and restore disturbed pavement in the various parking lots. This required 81 tons of hot mix asphalt that was supplied by K Barnett & Sons, Inc. in small loads of approximately 5 tons each. EnviroWorks transported asphalt to the site using a tipping trailer pulled behind a pickup truck. Asphalt was compacted and finished by EnviroWorks using hand tools and a Wacker-Neuson roller. Prior to placement of asphalt, basecourse was removed and compacted to approximately 4 inches below finished grade, and a pavement adhesive was applied to the saw-cut edges of the existing pavement. Re-striping was performed by Preferred Painters of Clovis, New Mexico, in the Albertson's parking lot and the Optical Source parking lot on April 17, 2022.

Other site work included installation of security fence and bollards, and general site cleanup. EnviroWorks subcontracted with American Fence to install chain link security fence, as detailed in the letter report dated April 19, 2022. EnviroWorks installed bollards around the security fence and natural gas meter the week of April 19, 2022 by digging post holes using a skid steer auger attachment. A total of 10 steel bollards were set in and filled with concrete and painted yellow. Excess soil stockpiles, asphalt debris, and other construction debris were hauled off-site during the final weeks of construction. Parking lot surfaces were cleaned using a skid steer street sweeper attachment. EnviroWorks demobilized from the site on April 22, 2022. The site is secured - both gates on the fence and the gorilla doors on the equipment containers are locked with heavy duty combination locks.

DBS&A plans to invoice a reduced amount of \$535,610.12 (including NMGRT) for Deliverable ID No. 4227-3. Both Xcel and NM Gas stated that future utility usage would revenue-justify the cost of the utility services, so the budgetary numbers included in the approved work plan will be excluded from the invoice. Please do not hesitate to call us at (505) 822-9400 if you have any questions or require additional information.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.



Thomas Golden, P.E.
Senior Engineer



Grace Herrmann, E.I.
Staff Engineer

cc: Katherine MacNeil, NMED PSTB