



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III

FINAL DECISION AND RESPONSE TO COMMENTS

Pennzoil-Quaker State Company - Plant 2

Oil City, Pennsylvania

EPA ID No. PAD 004 329 835

## I. FINAL DECISION

The United States Environmental Protection Agency (EPA) has selected Engineering and Institutional Controls as the Final Remedy to remediate groundwater and soil contamination at Plant 2 of the former Pennzoil-Quaker State Company (PQS) Rouseville Refinery located at 191 State Route 8, Oil City, PA 16373 (Facility or Property).

EPA's Final Remedy for the Facility consists of the following ECs and ICs:

- The Property shall be used for non-residential purposes only.
- No person shall withdraw or make use of any groundwater underneath the Property for any purpose.
- The existing groundwater treatment building will either be demolished during Site decommissioning activities or will remain if (i) additional sampling and/or vapor intrusion modeling is submitted to the PADEP demonstrating to the satisfaction of the Pennsylvania Department of Environmental Protection (PADEP) that the occupation of the groundwater treatment building will not result in an unacceptable vapor intrusion risk; or (ii) engineering measures (such as forced ventilation) or other approved actions are implemented to limit or prevent unacceptable vapor intrusion into the groundwater treatment building.
- No person shall construct or expand any building within the Property, unless (i) additional sampling and/or vapor intrusion modeling is submitted to the PADEP demonstrating to the satisfaction of the PADEP that the occupation of such buildings will not result in an unacceptable vapor intrusion risk; or (ii) engineering measures (such as vapor barriers or venting systems) or other actions approved by the PADEP are implemented to limit or prevent unacceptable vapor intrusion into occupied areas
- No person shall disturb the soil and subsurface underlying any portion of the Property where concentrations of constituents exceed the Statewide Human Health Medium Specific Concentrations (MSCs) and/or where separate phase liquids (SPL) may exist without prior notification of the PADEP and without putting in place such protections that the PADEP requires to protect the health and safety of the workers and the general public, as applicable. Furthermore, any excavated soils or other materials shall be handled and managed in accordance with a PADEP-approved Work Plan.
- The integrity of the concrete retaining walls along Oil Creek will be maintained intact or an alternate replacement barrier will be installed until such time as measureable SPL is no longer present or it is demonstrated to the satisfaction of the PADEP that the remaining SPL does not pose an adverse risk to Oil Creek without the retaining walls in place. As long as the retaining walls are required to protect Oil Creek from possible SPL impact, the Owner will perform annual inspection of the condition of the exposed outer retaining wall and report the findings to the PADEP. As a part of

these annual inspections, the adjacent portion of Oil Creek will be inspected for potential petroleum sheens. The inspections will be performed during the third quarter of each year when surface water levels are typically at the lowest, with the findings of the inspections reported to PADEP by October 15 of each year. Any sheen observed adjacent to the retaining walls will be reported to PADEP within 24 hours and other agencies as required by applicable rules and regulations in force at the time of discovery. Following the report of a sheen to PADEP, the following actions will be implemented at the Facility:

- Depending on the location and extent of the sheen, the sheen will be immediately contained/mitigated through the use of containment/sorbent booms, sorbent pads, etc.
- Following the initial actions, the source of the sheen will be evaluated.
- Written Notification and a Work Plan will be subsequently prepared and submitted to PADEP within 30 days of the sheen discovery describing the extent of the sheen, the potential source of the sheen, and the proposed remedial action to address the sheen and mitigate the risk of additional SPL impact to Oil Creek. Proposed remedial actions, as deemed practicable, may include but are not limited to: repairs to the retaining wall, targeted excavations, etc.
- Following PADEP approval of the Work Plan, the proposed remedial action will be implemented in accordance with the schedule proposed in the Work Plan. Once the remedial actions have been fully implemented and the risk to Oil Creek has been mitigated, the Post-Remediation Care Plan Monitoring will resume.

All of the above ECs and ICs have been implemented through an enforceable Environmental Covenant entered into pursuant to the Pennsylvania Uniform Environmental Covenants Act ("UECA"), Act No. 68 of 2007, 27 Pa. C.S. §§ 6501, *et seq.* which was approved by PADEP on November 15, 2010 and recorded with the deed for the Facility property.

## II. PUBLIC COMMENT PERIOD

On December 11, 2012, EPA issued a Statement of Basis (SB) in which it announced its proposed remedy for the Facility. Consistent with public participation provisions under the Resource Conservation and Recovery Act (RCRA), EPA requested comments from the public on the proposed remedy as described in the SB. The commencement of a thirty (30)-day public comment period was announced in The Titusville Herald newspaper on December 11, 2012 and on the EPA Region III website. The public comment period ended on January 11, 2013.

## III. RESPONSE TO COMMENTS

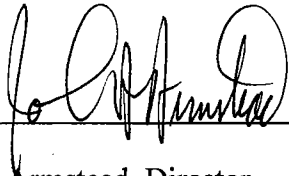
EPA received no comments on the SB. Consequently, the Final Decision is unchanged from the original proposed decision.

#### IV. AUTHORITY

EPA is issuing this Final Decision and Response to Comments under the authority of the Solid Waste Disposal Act, as amended by RCRA, and the Hazardous and Solid Waste Amendments (HSWA) of 1984, 42 U.S.C. Sections 6901 to 6992k.

#### V. DECLARATION

Based on the Administrative Record compiled for the Corrective Action at the Facility, EPA has determined that the Final Remedy selected in this Final Decision and Response to Comments is protective of human health and the environment.



John A. Armstead, Director  
Land & Chemicals Division  
U.S EPA Region III

3.27.13

Date