



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

AUG 24 2009

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Russell Becker
Program Manager
Environmental Engineering & Affairs
Severstal Sparrows Point
1430 Sparrows Point Blvd
Sparrows Point, MD 21219

Subject: Consent Decree, Civil Action Numbers JFM-97-558 and JFM-97-559
Interim Measures Work Plan - Coke Oven Area

Dear Mr. Becker:

Pursuant to Section XIII, SUBMISSION REQUIRING EPA AND/OR MDE APPROVAL, of the Consent Decree referenced above, the United States Environmental Protection Agency ("EPA") hereby approves the Coke Oven Area Interim Measures (IM) Work Plan, captioned Coke Oven Area Special Study Area Dual Phase Interim Measures: SVE, Air Sparging, and Groundwater Pumping Phase I (Pilot Testing), dated July, 2009 (and submitted to EPA by letter dated July 17, 2009), upon the following conditions (See paragraph XIII.1.b of the Consent Decree):

Severstal shall provide the EPA and MDE project coordinators with a schedule for conducting the specific field activities described in the work plan and notify them of any deviations from the schedule.

Severstal shall submit the pilot test report as described in Section 3.0, Project Schedule, of the work plan to EPA within 20 weeks of receipt of this letter.

The pilot test report must contain a detailed work plan describing the interim remediation technology selected, intended area of influence of the system and/or systems due to the size of the remediation area, and a description of any free phase recovery components, description of how the system will reduce off-site migration of the groundwater plume. Additional ground water samples shall be collected for analysis of dissolved metals, DO, pH, BOD, COD, REDOX and other factors that may affect the maintenance of the IM system due to iron or bio fouling. The IM implementation may progress in phases from temporary trailer mounted or portable system(s) to a larger more permanent system(s)

designed to recover the light and heavy hydrocarbon fractions and remediate the source area(s) for benzene and naphthalene plumes and reduce the offshore migration of the groundwater plume pending implementation of a final remedy at the Facility.

Severstal shall submit to EPA for approval a work plan schedule for the phased implementation of a full scale system. This schedule shall incorporate the following time frames and a completion date for Phase 2:

Phase 1: Severstal shall install an operational prototype system(s) as described in the Pilot Test Report no later than 120 days of receipt of EPA's approval of the Pilot Test Report.

Phase 2: No later than 365 days from the date of the prototype system start-up, Severstal shall modify and/or expand the prototype system into a full scale IM system covering the entire 'area of remediation' as defined in EPA's letter to Severstal, dated February 19, 2009, a copy of which is enclosed hereto. Within 6 months of startup of the full scale system, Severstal must submit a report demonstrating that the system is effectively recovering light and heavy hydrocarbon fractions, reducing the hydrocarbon source for the benzene and naphthalene plumes, and reducing the offsite migration of contaminants along the shoreline and in the vicinity of the Graving Dock on the adjacent Shipyard.

Upon approval of the Pilot Test report Severstal shall provide the EPA and MDE project coordinators a monthly update on Phase I activities. Upon activation of the Phase 2 IM system(s) Severstal shall provide a monthly update which should include a summary of the system operation (i.e. days operational, extraction rates etc.) for the first year of operation, a quarterly update for the second year, and a semiannual update for the ensuing years until such time a final remedy for the Coke Oven area is implemented.

As provided in Section XIII.8 of the Consent Decree, the July 2009 Coke Oven Area Interim Measures Work Plan as described above and with the conditions contained herein is hereby enforceable under the terms of the Consent Decree.

If you have technical questions regarding this matter, please call me at (215) 814-3426. For legal questions, please have your attorney contact Susan Hodges, Senior Assistant Regional Counsel, at (215) 814-2643.

Sincerely,



Andrew Fan, Project Manager
Land and Chemicals Division

Encl.

Cc (w/encl.): Barbara Brown, MDE