

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

**MONITORING AND REPORTING PROGRAM NO. CI-8988
FOR**

424-446 WEST COMMERCIAL STREET, POMONA, CALIFORNIA

**ENROLLMENT UNDER ORDER NO. R4-2005-0030 (Series NO. 031)
FILE NO. 05-172**

I. REPORTING REQUIREMENTS

- A. AMCAL Housing, Inc. (hereinafter Discharger) shall implement this Monitoring and Reporting Program (Program) on the effective date of this enrollment (November 18, 2005) under Regional Board Order No. R4-2005-0030. The first technical report under this Program is due 14 days after the completion of the required pilot field test of the proposed In-situ Chemical Oxidation (ISCO) remediation. The final confirmation report under this Program is due 30 days after the completion of the ISCO remediation. The Executive Officer may require the Discharger to submit additional reports based on the results of confirmation sampling.
- B. Reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. Each report shall contain a separate section titled "Summary of Non-Compliance" which discusses the compliance record and the corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall be located at the front of the report and shall clearly list all non-compliance with discharge requirements, as well as all excursions of effluent limitations.
- D. The Discharger shall comply with requirements contained in Section G of Order No. R4-2005-0030 "*Monitoring and Reporting Requirements*" in addition to the aforementioned requirements.

II. RECEPTOR WELL MONITORING

- A. During the required pilot test and the full-scale ISCO remediation, the Discharger shall take at least three liquid samples at three different receptor wells for each day of remediation (if liquid is present and available for sampling in such wells). The liquid samples shall be analyzed for pH, oxidation-reduction potential, dissolved oxygen, total dissolved solids (TDS), total organic carbon (TOC), and total petroleum hydrocarbon (TPH) in the diesel and oil range. If the concentration of

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TPH is higher than 10 mg/l, the samples shall also be analyzed for polynuclear aromatic hydrocarbons (PAH).

- B. For each day of ISCO remediation, the maximum elevation of liquid level at each receptor well during the day shall be recorded.

III. PILOT TEST CONFIRMATION MONITORING

The Discharger shall conduct a field pilot test to demonstrate that the proposed ISCO technology is appropriate for the remediation of the contamination at the site, as proposed in a letter from Ami Adini & Associates, Inc. (a consultant for the Discharger), dated October 9, 2005, to the Regional Board. Within seven days after the completion of the pilot test, the Discharger shall conduct the following confirmation monitoring activities:

- A. Advance five (5) test holes to 30 feet bgs. Two (2) holes shall be located within the treatment area, while the other three (3) around the treatment area.
- B. At each test hole, collect soil samples at every five feet of boring. The samples shall be inspected for odor and discoloration and analyzed for TPH in the diesel and oil range. If TPH concentration of any soil sample exceeds 10 mg/kg, the sample shall also be analyzed for PAH.
- C. At each test bore hole, if liquid is encountered, such liquid shall be sampled and analyzed for pH, oxidation-reduction potential, dissolved oxygen, total dissolved solids (TDS), total organic carbon (TOC), and TPH. If the concentration of TPH is higher than 10 mg/l, the samples shall also be analyzed for PAH. The elevation of liquid in the test hole shall also be recorded.

Within 14 days of the completion of the pilot test, the Discharger shall submit a technical report to the Regional Board documenting the pilot test and all the required monitoring data. The Discharger shall not start the full-scale ISCO remediation unless it is approved by the Executive Officer.

IV. CONFIRMATION MONITORING FOR FULL-SCALE REMEDIATION

Within seven days after the completion of the ISCO remediation, the Discharger shall conduct the following confirmation monitoring activities:

- A. Advance eight (8) test holes to 30 feet bgs within and around the treatment area.
- B. At each test hole, collect soil samples at 5-foot intervals. The samples shall be inspected for odor and discoloration and analyzed for TPH in the diesel and oil range. If TPH concentration of any soil sample exceeds 10 mg/kg, the sample shall also be analyzed PAH..

- C. At each test bore hole, if liquid is encountered, such liquid shall be sampled and analyzed for pH, oxidation-reduction potential, dissolved oxygen, total dissolved solids (TDS), total organic carbon (TOC), and TPH. If the concentration of TPH is higher than 10 mg/l, the samples shall also be analyzed for PAH. The elevation of liquid in the test hole shall also be recorded..

Within 30 days of the completion of the remediation, the Discharger shall submit a final confirmation report to the Regional Board to document all the remediation activities at the site and the required monitoring data.

V. GROUNDWATER MONITORING PROGRAM

Because the groundwater table, which is at least 200 feet below ground surface (bgs) at the site, is significantly deeper than the proposed ISCO remediation zone, which will not exceed 25 feet bgs, groundwater monitoring is not required prior to and during the remediation. However, the Executive Officer may require groundwater monitoring at the site based on the results of final confirmation sampling, including the installation of groundwater monitoring wells at the site.

VI. MONITORING FREQUENCIES

Monitoring requirements may be modified or revised by the Executive Officer based on review of monitoring data submitted pursuant to this Program.

VII. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the ____ day of _____ at _____.

(Signature)

(Title)"

AMCAL Housing, Inc.
Order No. R4-2005-0030 (Series No. 031)
Monitoring and Reporting Program No. CI-8988

File No. 05-171

VIII. PUBLIC DOCUMENTS

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: _____
Jonathan Bishop
Executive Officer

Date: November 18, 2005