



A. DESCRIPTION OF ACTIVE OPERATION AND MAINTENANCE ACTIVITY:

1. Type of Active Operation and Maintenance Activity: (check all that apply)

- a. Active Remedial System: (check all that apply)
i. NAPL Recovery
ii. Soil Vapor Extraction/Bioventing
iii. Vapor-phase Carbon Adsorption
iv. Groundwater Recovery
v. Dual/Multi-phase Extraction
vi. Aqueous-phase Carbon Adsorption
vii. Air Stripping
viii. Sparging/Biosparging
ix. Cat/Thermal Oxidation
x. Other Describe:

b. Active Exposure Pathway Elimination Measure
Active Exposure Pathway Mitigation System to address (check one): i. Indoor Air ii. Drinking Water

c. Application of Remedial Additives: (check all that apply)
i. To the Subsurface
ii. To Groundwater (Injection)
iii. To the Surface

d. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section G5)
i. Reactive Wall
ii. Natural Attenuation
iii. Other Describe:

2. Mode of Operation: (check one)

- a. Continuous
b. Intermittent
c. Pulsed
d. One-time Event Only
e. Other:

3. System Effluent/Discharge: (check all that apply)

- a. Sanitary Sewer/POTW
b. Groundwater Re-infiltration/Re-injection: (check one)
i. Downgradient
ii. Upgradient
c. Vapor-phase Discharge to Ambient Air: (check one)
i. Off-gas Controls
ii. No Off-gas Controls
d. Drinking Water Supply
e. Surface Water (including Storm Drains)
f. Other Describe: NA

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: 4/1/2014 To: 9/30/2014
(mm/dd/yyyy) (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)

- a. System Startup: (if applicable)
i. Days 1, 3, 6, and then weekly thereafter, for the first month.
ii. Other Describe:
b. Post-system Startup (after first month) or Monitoring Program:
i. Monthly
ii. Quarterly
iii. Annually
iv. Other Describe: MONTHLY

3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

1. NPDES: (check one)
a. Remediation General Permit
b. Individual Permit
c. Emergency Exclusion
Effective Date of Permit: (mm/dd/yyyy)

2. MCP Performance Standard MCP Citations(s):

3. DEP Approval Letter Date of Letter: (mm/dd/yyyy)

4. Other Describe:



Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

CRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0800 (SUBPART H)

Remedial System or Monitoring Program: 1 of: 3

BWSC108 -A

Release Tracking Number

3 - 485

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

- 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.
a. Name: b. Grade:
c. License No: d. License Exp. Date: (mm/dd/yyyy)
2. Not Required
3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (check all that apply)

- 1. The Active Remedial System was functional one or more days during the Reporting Period.
a. Days System was Fully Functional: b. GW Recovered (gals):
c. NAPL Recovered (gals): d. GW Discharged (gals):
e. Avg. Soil Gas Recovery Rate (scfm): f. Avg. Sparging Rate (scfm):

2. Remedial Additives: (check all that apply)

- a. No Remedial Additives applied during the Reporting Period.
b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

i. Nitrogen/Phosphorus:

Table with 4 columns: Name of Additive, Date, Quantity, Units

ii. Peroxides:

Table with 4 columns: Name of Additive, Date, Quantity, Units

iii. Microorganisms:

Table with 4 columns: Name of Additive, Date, Quantity, Units

iv. Other:

Table with 4 columns: Name of Additive, Date, Quantity, Units

c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

i. Permanganates:

Table with 4 columns: Name of Additive, Date, Quantity, Units. Row 1: SODIUM PERMANGA 9/10/2014 1272.25 GALL

ii. Peroxides:

Table with 4 columns: Name of Additive, Date, Quantity, Units

iii. Persulfates:

Table with 4 columns: Name of Additive, Date, Quantity, Units

iv. Other:

Table with 4 columns: Name of Additive, Date, Quantity, Units



E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.)

Other additives applied: (total quantity applied at the site for the current reporting period)

Table with 4 columns: Name of Additive, Date, Quantity, Units

Table with 4 columns: Name of Additive, Date, Quantity, Units

Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: b. Total Number of Days of Unscheduled Shutdowns: c. Reason(s) for Unscheduled Shutdowns:

2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: b. Total Number of Days of Scheduled Shutdowns: c. Reason(s) for Scheduled Shutdowns:

3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: (mm/dd/yyyy)

b. No Further Effluent Discharges.

c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

d. No Further Submittals Planned.

e. Other: Describe:

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

Empty box for Operational Problems or Notes.

5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.