



November 9, 2012

Richard W. Hull
Remedial Project Manager
U.S. Environmental Protection Agency
5 Post Office Square - Suite 100
Mail code OSRR 07-1
Boston, MA 02109 - 3912

Re: Savage Well Superfund Site
Consent Decree Docket No. 94-174
Quarterly Progress Report

Dear Mr. Hull:

In accordance with Section XI of the Savage Well Site Consent Decree, the Settling Parties for Operable Unit 2 (OU-2) hereby submit four copies of the quarterly progress report for the period starting August 1, 2012 and ending October 31, 2012.

If you have any questions, please do not hesitate to call.

Yours truly,

GRADIENT

A handwritten signature in blue ink, appearing to read "Manu Sharma", written over the printed name.

Manu Sharma, P.E.
Principal

Enclosures

cc: R. Mongeon
J. Peltenon, Esq.
G. Smith, Esq.
B. Rand

QUARTERLY PROGRESS REPORT



SAVAGE WELL SUPERFUND SITE
DOCKET #94-174
REPORTING PERIOD: August – October 2012

QUARTERLY PROGRESS REPORT #4
DATE: November 9, 2012

This progress report is being submitted pursuant to Section XI, Paragraph 34 of the Savage Well Superfund Site Consent Decree (CD) dated 1994. The work performed by the Settling Parties between August 1, 2012 and October 31, 2012 is summarized below.

PROGRESS DURING REPORTING PERIOD

ACTIONS TAKEN TOWARD ACHIEVING COMPLIANCE WITH CD:

- The OU-2 groundwater remediation system continued to operate effectively during this quarter. Treated water continues to be discharged to the subsurface and the Souhegan River. The table below summarizes monthly and quarterly average extraction and injection rates.

| Reporting Period | Extraction Rates | | | | Injection Rates | | | |
|-------------------|------------------|------|------|-------|-----------------|------|------|--------------------|
| | EW-1 | EW-2 | EW-3 | Total | IW-1 | IW-2 | IW-3 | Total ¹ |
| August-12 | 149 | 111 | 26 | 286 | 69 | 92 | 79 | 240 |
| September-12 | 148 | 85 | 63 | 296 | 78 | 93 | 88 | 259 |
| October-12 | 192 | 106 | 96 | 394 | 103 | 121 | 114 | 338 |
| Quarterly Average | 163 | 101 | 62 | 326 | 83 | 102 | 94 | 279 |

¹ = The balance of the treated water was discharged to the Souhegan River surface water discharge structure.

The monthly average extraction rates for August and September were lower than typical rates. The pump for well EW-1, which had electrical issues as reported in the previous quarterly report, was replaced and the well resumed operations on August 8. EW-3 was temporarily shut down on August 8 for troubleshooting the pump control system. The motor starter and overload protection block were replaced and EW-3 resumed operations on September 12. In addition, the remedy system was shut down on September 5, 2012 for maintenance of the SCADA¹ computer. Following maintenance and replacement of the computer backup battery and surge protector, the system was restarted successfully and all three wells resumed operations on September 12, 2012. The operations continued normally through October 2012.

The metals treatment system continues to effectively treat metals being compliant with both surface water effluent discharge limits established by the NH DES and design requirements of the system.

VALIDATED DATA/RESULTS AND TESTS RECEIVED OR GENERATED:

- None

¹ SCADA: supervisory control and data acquisition.

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WORK PLANS, PLANS AND OTHER DELIVERABLES SUBMITTED

- The previous quarterly progress report (for the period May through July 2012) was submitted on August 10, 2012.
- The annual groundwater quality monitoring report for 2011 was submitted on August 3, 2012 and comments from US EPA were received on September 25, 2012.
- A letter report documenting the findings of a shallow groundwater sampling event conducted at OU-2 on June 13, 2012 was submitted to the US EPA on August 3, 2012. On September 11, 2012, EPA provided a response letter indicating that no additional assessment activities were warranted at this time to further investigate shallow groundwater.

MODIFICATIONS TO WORK PLANS OR OTHER SCHEDULES:

- None
- Consistent with 2011 annual groundwater quality monitoring report recommendations and US EPA letter dated September 25, 2012 agreeing to the change, the monitoring frequency of the extraction well influents and treatment plant effluent was reduced from twice per month to monthly.

PROBLEMS/UNRESOLVED DELAYS ENCOUNTERED AND ACTIONS TAKEN:

- None

SITE ACCESS

- None

PROGRESS PLANNED FOR NEXT SIX WEEKS

COMMUNITY RELATIONS SUPPORT PLAN ACTIVITIES:

- None

ACTIONS SCHEDULED AND PROGRESS OF CONSTRUCTION:

- The next annual groundwater quality monitoring event is expected to take place at the end of the

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year or early next year.

- A response to US EPA's September 25, 2012 comment letter regarding the 2011 annual report will be prepared and submitted to US EPA.

UNRESOLVED DELAYS ANTICIPATED, AND ACTIONS TO BE TAKEN:

- None

ANTICIPATED MODIFICATIONS TO WORK PLANS OR OTHER SCHEDULES:

- None

COMMUNITY RELATIONS PLAN ACTIVITIES:

- None