

PERIODIC REPORTS RE: MAGELLAN GASOLINE RELEASE SITE
Prepared by Magellan Midstream Partners LP
and/or Leggette, Brashears & Graham, Inc. Environmental Engineering Consultants

WEEK OF FEBRUARY 8, 2010

Major activities conducted during the week of February 8, 2010:

- R3 was onsite Tuesday through Friday and began to plumb in the 14 air sparge wells installed last week. The wells were installed northwest of the office along the property fence line.
- The draft air sparge work plan was submitted to the WDNR on January 29th. LBG is awaiting approval to startup of the AS system. On Wednesday, Feb 10th, LBG, Magellan and WDNR had a conference call to discuss technical aspects of operating the AS system. LBG submitted additional documentation to WDNR at their request. WDNR indicated on Friday that a response would be given regarding AS startup next week (week of Feb 15th).
- R3 continued to wire in the two larger (20 Hp) SVE blowers to replace the smaller blowers (3 Hp) in Skids 2 and 3. R3 also plumbed in additional SVE wells to the SVE blowers (SVE-6,8, 13 and 27) which are currently operating.
- Fluid levels were collected throughout the week from the remediation wells. On Wednesday 2/10, free product was detected for the first time in SVE-2 (0.59') and SVE-9 (0.21').
- Groundwater analytical results were received for the wells sampled for the first time last week (MW09-20, 21, 22, 24, 25, 26, 27, and 28). The requested analyses included VOCs, GRO, and DRO. No impacts were detected in MW09-21, 22, 25, and 26. MW09-27 contained low level DRO. The remaining wells contained DRO, GRO, and miscellaneous VOCs including naphthalene and 1,2,4- and 1,3,5-trimethylbenzenes. Indications are that these detections are associated with historical impacts and not the December 2009 release.
- Kemper and Associates survey data from last week was received. A groundwater flow map for fluid levels collected February 1 indicates flow to the northwest consistent with historical flow direction. One monitoring well (MW09-7) was inadvertently missed during the survey. Based on the initial evaluation of the new data coupled with the historical data, it does not appear that the missing data point would affect the overall groundwater flow direction. This well will be surveyed during future surveying scopes of work.
- Soil gas screening of the four vapor points located by the terminal office and workshop was conducted on Thursday (2/11). Field screening readings did not indicate adverse conditions at these locations.
- Optimization and expansion of the SVE system continued throughout the week.
- Thawing and clearing of condensate from laterals and exhaust lines was conducted.
- Extraction of free product utilizing "free product only" pneumatic pumps was performed. Product pumps were stationed in SVE-6, 13, 22, and/or 24 and 27. Approximately 157.3 gallons of product was recovered. All recovered product was transferred to the onsite oil/water separator. Additional pneumatic pumps will be installed next week to increase free product recovery.
- Individual pneumatic pump recovery stations were set up at each well for free product storage. As the weather warms up, the plan is to consolidate product recovery to one storage area with a float system to operate without supervision (i.e. shuts off automatically when tank fills). Arrangements are being made to have additional product storage resources delivered to the site. In the meantime, the pneumatic pumps will be operated manually during the day.
- On Monday 2/8 a Catalytic Combustion delivered a second Flame Ox to the site. Catalytic Combustion also modified the existing Flame Ox to reduce propane consumption.
- The local power company was onsite and installed a larger gas meter to meet the increasing demands of the remediation system. An electric pole was also installed and Van Ert Electric began upgrading the electrical connections to meet remediation system operational requirements.
- Total estimated product recovery to date: 8,862 gallons of gasoline (1,597 liquid +7,265 vapor)

Activities proposed for the week of February 15, 2010:

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- Continue manual operation of the pneumatic product recovery system until an automated system and larger product recovery resources can be connected.
- Complete the installation of a temporary gas line from the newly installed gas meter to both Flame Oxidizers.
- Van Ert Electric to continue electrical hookup for the expanding remediation system. Local power company to provide final inspection prior to energizing the electric service.
- Additional drop tubes to be installed in SVE wells on an as needed basis to increase volatilization of the product.
- LBG will be onsite to collect groundwater samples from the perimeter wells. Purge water will be containerized for subsequent disposal or disposed of in the onsite oil/water separator. Groundwater samples will not be collected from the interior wells sampled 2 week previously. These wells will be added to the monthly sampling schedule beginning in March. Commencing with the March event, all monitoring wells will be sampled during one site visit. Unless directed otherwise, subsequent groundwater analyses will include PVOcs, GRO, and DRO.
- LBG will also be collecting soil gas samples from the four soil vapor monitoring points by the office and workshop. Samples will be collected in 1L Summa canisters and analyzed for TO-15 parameters.
- Fluid-levels will be measured in all monitoring wells and remediation wells.
- LBG and R3 to continue optimization of current remediation systems.
- Town Hall Meeting with Village, WDNR, Magellan and LBG on Wednesday, Feb. 17th at 6 pm.

Attachments:

- Free Product Thickness Map (Feb 10, 2010)/Current Site figure.
- Groundwater Flow Map (Feb 1, 2010).
- Groundwater [Quality Table](#).

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