

NEWS BRIEF

FORMER MCGANN'S MOBIL SERVICE STATION 355 Main Street, in the town of WEST RUTLAND, VT VTDEC SITE #89-0356

A Corrective Action Plan (CAP) has been developed pursuant to the Vermont Department of Environmental Conservation (VTDEC) *Corrective Action Guidance*, for the former McGann's Mobil service station in West Rutland, Vermont, to address remediation of subsurface petroleum contamination. The CAP summarizes the site background, the existing data collected, and specifies the conceptual design for remediation at the site. The CAP was developed by KAS, Inc. (KAS) for Champlain Oil Company (COCO) owner of the property for approval by the VTDEC. The work scope and budget for the CAP were approved by Mr. Hugo Martinez-Cazon of the VTDEC in an electronic mail message dated July 20, 2012.

The primary impact of the dissolved petroleum contaminant plume is in the vicinity of the former underground storage tank (UST) pit in the 10^3 parts per billion (ppb) range. The lateral extent of the petroleum-related VOC plume is well defined with the installation of monitoring wells. While the area of the petroleum contaminant plume decreased between 2002 and May 2012, high levels of dissolved and adsorbed phase contamination remains in the vicinity of the former UST pit and dispenser island which is continuing to provide a source of dissolved phase contamination at the Site property. Redevelopment activities are planned at the site property resulting in an opportunity to excavate and dispose of the contaminated material within this area.

The feasibility of corrective action is being explored due to the recent discovery of high levels of soil and groundwater contamination near the former pump dispenser island, the continued presence of dissolved phase contaminants in groundwater above the Vermont Groundwater Enforcement Standards (VGES), and the potential migration of the contamination plume off site. The plan for Site redevelopment has presented an opportunity for corrective action.

The general objectives of corrective action at this Site are to remove gross contamination and minimize impacts to receptors, including soil, groundwater, and off site properties. The specific goals of remediation at this site are to remove, to a reasonable extent, adsorbed petroleum onto the soils near the former underground storage tanks (USTs) and dispenser island where high concentrations of adsorbed petroleum were detected during the UST and piping removal in July 2011, and to reduce the dissolved and adsorbed concentrations of petroleum compounds in the subsurface downgradient of the source area. This work would be conducted in conjunction with the redevelopment of the Site property.

The CAP outlines a schedule of events, offers preliminary implementation details of the excavation process, and estimates the cost of the remediation. Provided that the soils meet the facility's permit requirements, soils will be loaded into dump trucks for transport to a recycling facility during the excavation process. Soils below will be screened for the presence of VOCs with a properly calibrated PID with a minimum 10.6 eV lamp. One five-day excavation event is anticipated and includes excavation and loading of petroleum contaminated soils onto trucks for transport and site restoration. Clean soils would be stockpiled on site where possible until they are backfilled into the excavation. "Live" loading of petroleum contaminated soils will occur to the extent possible. Some petroleum impacted soils may need to be temporarily stockpiled on site to speed up the excavation process. Once loaded, petroleum impacted soils would be transported to an appropriate facility for treatment or disposal. Replacement well installation and frac tank cleaning are expected to occur on subsequent days. To track the migration of subsurface contamination over time and to document remediation of the contamination, KAS will collect groundwater samples semi-annually for one year. The monitoring frequency may be reduced to annual thereafter.

For more information, Contact Mr. Hugo Martinez-Cazon of the Vermont Department of Environmental Conservation (802)-241-3877, 103 South Main Street, Waterbury, Vermont 05671-0404.