



Galena Performance Based Remediation Contract Nearing Completion

In March 2014, the Air Force awarded a six-year Performance Based Remediation (PBR) contract for the former Galena Forward Operating Location (FOL) to Parsons Government Services. The goal of this contract was to implement cleanup remedies at 32 contaminated sites. Contamination at Galena is mainly from old spills or leaks of fuel from pipelines and storage tanks or spills of cleaning solvents and degreasers. With the contract nearing completion, the PBR team made great progress towards cleaning up the sites.

2020/2021 Environmental Field Activities

The current PBR contract fieldwork ended August 30, 2020. The Air Force is currently working on obtaining follow-on contracts to continue operation of the remediation systems and landfarm. The Air Force has recently awarded two contracts to evaluate and optimize the newly installed remedial systems. Both Parsons and CH2M will continue the work that was started with the PBR contract and conduct further investigations at a couple of small sites as well as testing the injection of chemicals to support cleanup. Field activities will begin as soon as possible so that groundwater sampling can be completed before winter. Plans will be finalized over the winter with most of the investigation and optimization field work being done in summer 2021.

Galena PBR by the Numbers

32 sites in the PBR contract

ACTIONS COMPLETED

10 sites closed

24 remediation systems installed

8,800 cubic yards of contaminated soil removed

310,000 pounds of treatment amendments injected

October 2020 Restoration Advisory Board Canceled

The October RAB is canceled due to COVID-19 restrictions. The Air Force will monitor the situation and is hopeful to reconvene in April 2021. In the meantime, please visit the Galena website and Administrative Record site listed below for regular updates.

Injection of Amendments to Groundwater

A total of 310,000 pounds of treatment amendment were added to groundwater (gypsum for petroleum contamination and emulsified vegetable oil for chlorinated solvents) in order to accelerate cleanup in larger sites.

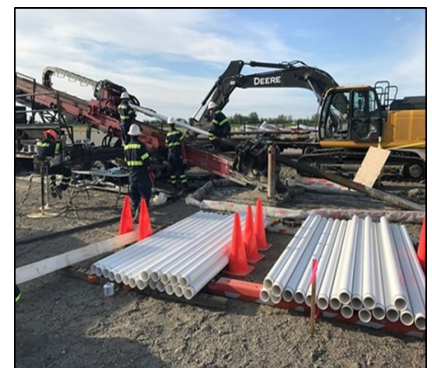


Air Force contractors emulsify vegetable oil mixing and injection. The amendments are mixed with water. In the background, contractors then inject the mixture directly into the groundwater with direct-push rods and tools.

Remediation System Installation and Site Closures

Air Force PBR contractors Parsons and CH2M successfully cleaned up 10 sites and completed the installation of all remediation systems.

These systems included vertical and horizontal air sparging systems, bioventing systems and soil vapor extraction systems.



Air Force contractors install a horizontal air sparge system in 2017.

Continued Operation of Remedial Systems

Bioventing, soil vapor extraction and air sparging systems have been operating over the winter when groundwater is at its lowest and removal of contaminants from soil is optimal.



Blower shed for a soil vapor extraction system at Site SS015. Vent wells were installed at the site and connected to the blower

Operation of the remedial systems succeeded in reducing contamination in soil.

Four of the remedial systems completed cleanup at their sites and were disassembled and removed.

The remaining systems will operate until the cleanup goals are met which could be as little as a couple of years to several decades depending on the amount of contamination.

Excavation of Contaminated Soil



Air Force contractors excavate Site DP023. Contractors removed 6,500 yards of contaminated soil and debris from this site.

Air Force contractors, Parsons and CH2M completed the excavation of 8,800 yards of contaminated soil across 12 sites with treatment at the landfarm or off-site disposal.

Spring/Summer 2020

Even with travel restrictions associated with COVID-19, Parsons and CH2M work was able to accomplish quite a few things such as disposal of the excavated material at site DP023, replaced one of the blowers at one of the remediation systems, operated the landfarm, and continued SVE operations at Site SS006.

Air Force Administrative Record (AR) Website

Remedial Action Work Plans and Cleanup Plans can be found online at:

ar.afcec-cloud.af.mil

To search for Galena documents, select BRAC at the top of the page and then select Galena from the Installation List. There are several different search fields that can be used to find documents. One method is to use the "Subject or Title" field and type in the site ID or type of report. You can also add dates for "Documents After" and/or "Documents Before". If you know the AR number for a document, you can enter that number into the "Full Metadata Search" field for easy access. In addition to the AR website, the Air Force has placed a DVD of the entire AR in a binder behind the librarian's desk at the library: **The Charles Evans Community Library: Antoski Street (inside Galena High School) Galena, AK 99741 (907) 656-1205**

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General Questions

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