

U.S. AIR FORCE
ELLSWORTH AFB, S.D.

Next RAB Meeting

Mark your calendars! The next Restoration Advisory Board meeting is scheduled for 7 p.m., May 21, 2013, at Douglas Middle School. For more information, please call (605) 385-2677, or (605) 385-5056.

VISIT OUR WEBSITE!

www.ellsworth.af.mil/library/environmental/restorationadvisoryboard.asp

View the following:

- RAB presentations
- Public announcements
- Meeting information
- Past newsletters

VISIT THE INFORMATION REPOSITORY!

The Information Repository is located at the South Dakota Air & Space Museum, and is available Monday through Friday from 8:30 a.m. to 4:30 p.m. View our website for more information.

New Restoration Program Manager

Please welcome Melody Jensen as the new Restoration Program Manager! She will be available to answer your questions at the next RAB meeting.

Community Feedback Matters!

This newsletter is a significant part of our community outreach program. Unfortunately, it only allows for one-way communications. Questions and comments about the program or this newsletter may be sent to this address:

**28 CES/CEANR
2125 Scott Drive
Ellsworth AFB, S.D. 57706
(605) 385-2677**

New Contract Awarded

In December 2012, a new eight-year performance based remediation contract (PBR contract) was awarded to ARGO/LRS and its partner, ITSI Gilbane Company, to continue cleanup work.

You will still see a familiar face managing the field program. Joe Odegaard is now working for ITSI Gilbane.

One of the first tasks being com-

pleted under the new PBR contract is routine annual groundwater sampling. We have not received the analytical results from the spring 2013 sampling in time to include in this newsletter but they will be included in the fall 2013 newsletter.

If you would like the results of the sampling before the fall 2013 newsletter, please contact us.

Military Munitions Response Program

In November 2012, a visual site inspection and limited soil sampling was conducted at locations where historical records suggest military munitions may have been used.

The sites inspected at Ellsworth AFB include:

- The former pistol range
- The former skeet range

- Land surrounding the 28th Civil Engineer Squadron Explosive Ordnance Disposal Area

The results of the investigation are pending; however, no unexploded ordnance was found. If further work is warranted, the sites would be addressed similar to restoration sites. The fall 2013 newsletter will summarize the findings of the report.

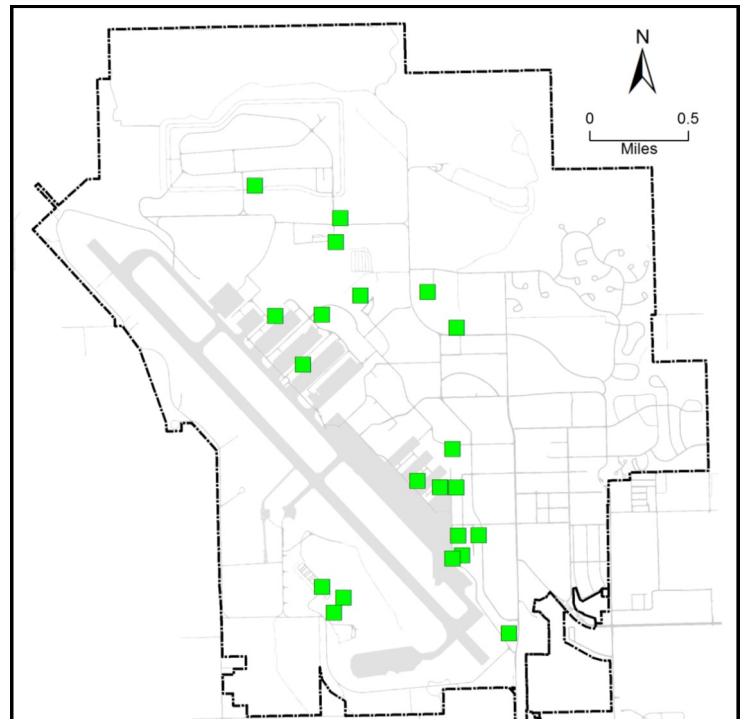
21 Petroleum Sites Added to Restoration Program

The Department of Defense recently revised its policy on funding eligibility for cleanup sites. As a result, 21 petroleum sites were added to the Ellsworth AFB restoration program. The sites include:

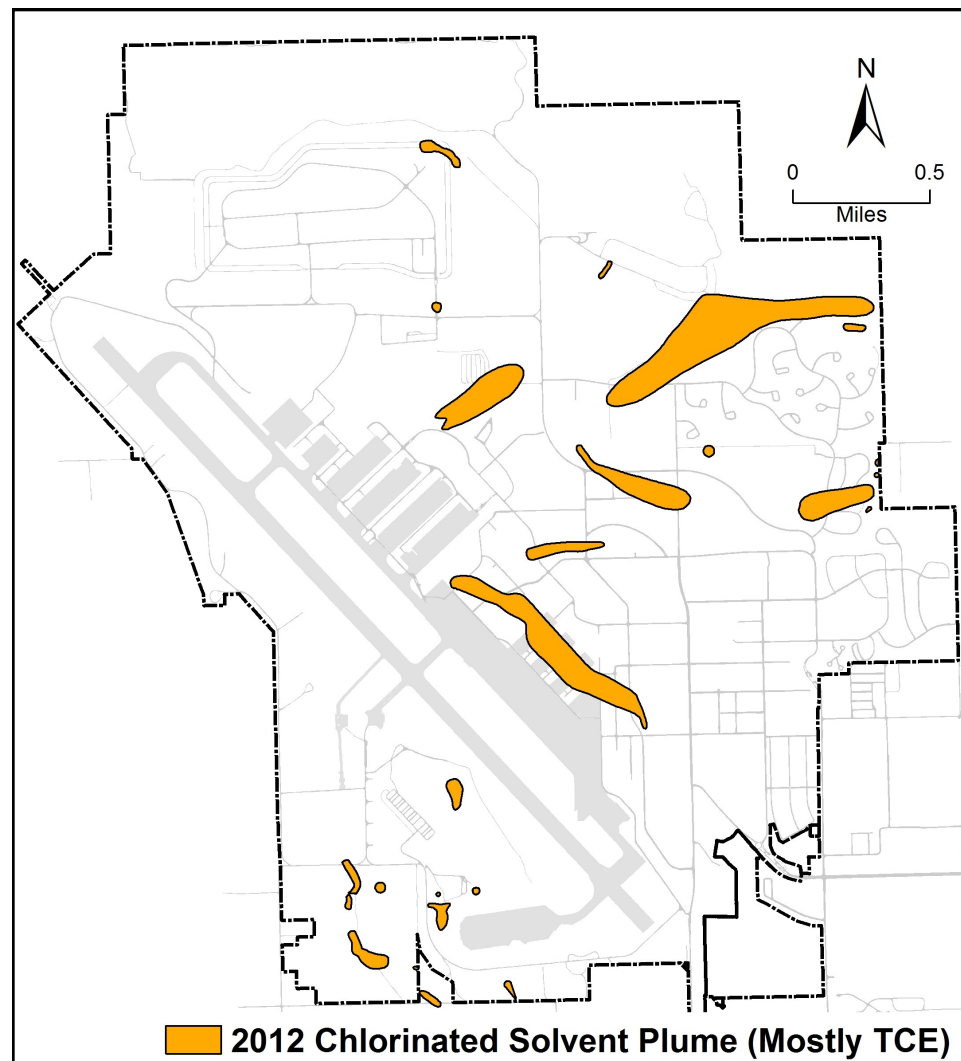
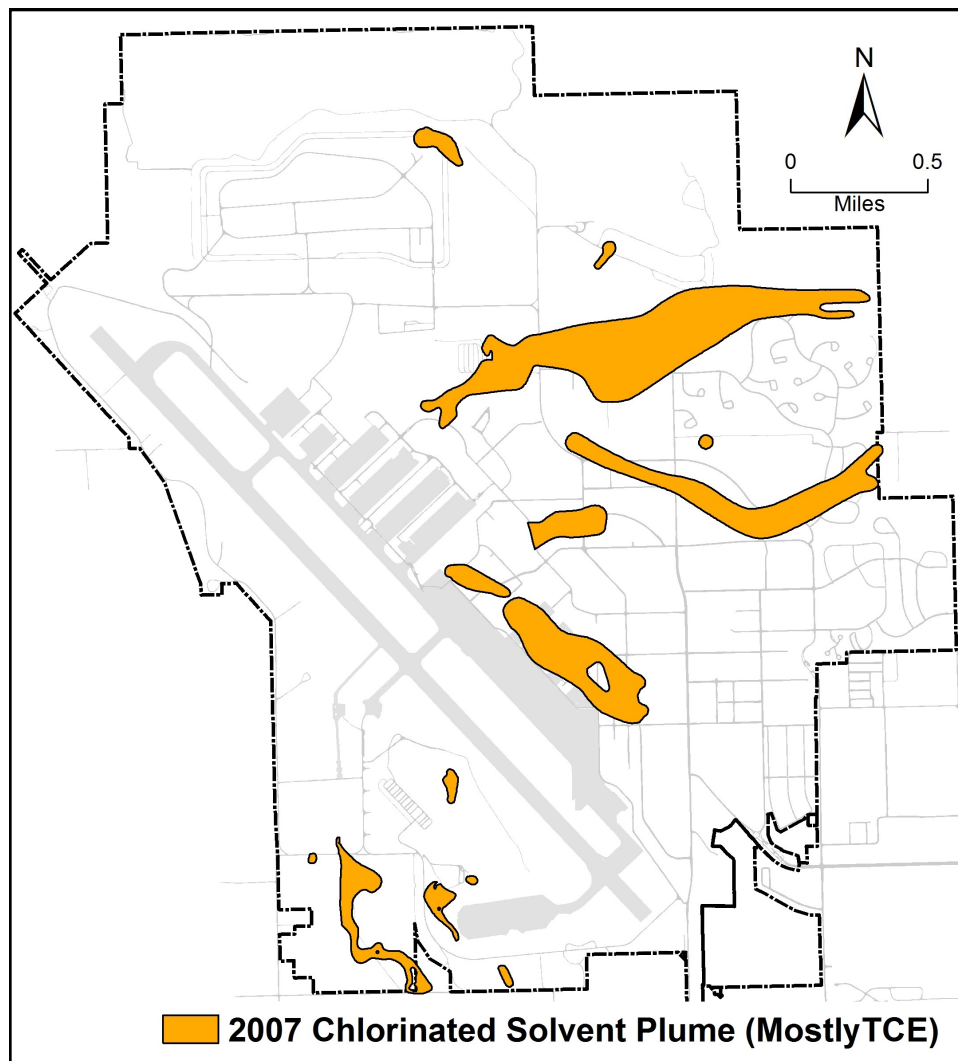
- Spill sites
- Former underground storage tank sites where a release occurred
- Oil water separator sites where a release occurred

ITSI Gilbane Company is currently preparing work plans for investigating and cleaning up several of these sites. One of the cleanup technologies proposed to be used is "in-situ chemical oxidation," which involves injecting hydrogen peroxide into the groundwater to breakdown the hydrocarbons to non-toxic products like carbon dioxide and water, as well as, stimulate aerobic microbial activity to degrade hydrocarbons.

Details on these sites will be presented during the spring 2013 RAB meeting on May 21 at 7 p.m.



Petroleum Sites Added to the Restoration Program



The figures above depict shrinking chlorinated groundwater plumes on Ellsworth AFB from 2007 to 2012. Additionally, the maximum trichloroethylene (TCE) concentration observed has decreased dramatically. In 2007, the maximum TCE concentration was 3,400 micrograms per liter ($\mu\text{g/L}$). In 2012, the maximum TCE concentration was 90 $\mu\text{g/L}$. Based on current understanding of the plume, cleanup standards on base may not reach drinking water standards (5 $\mu\text{g/L}$) for approximately 30 years. However, as we reported in the May 2012 newsletter, drinking water standards were achieved for the first time east of the base in 2012!