

# ROCKY FLATS STEWARDSHIP COUNCIL

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Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder  
City of Golden -- City of Northglenn -- City of Thornton -- City of Westminster -- Town of Superior  
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders  
Nancy Newell

## Monthly Status Report – February 2014

### Board meeting summary

#### *Election of Stewardship Council Officers for 2014*

The Board elected the following officers. The terms run until the February 2015 meeting.

Chairman – Joyce Downing (Northglenn)  
Vice Chairman – Lisa Morzel (Boulder)  
Secretary/Treasurer – Deb Gardner (Boulder County)

#### *2014 Meeting Schedule*

The Board adopted the following meeting schedule:

February 3  
April 7  
June 2  
September 8 (second Monday of the month)  
November 3

#### *DOE Quarterly Update – 3<sup>rd</sup> Quarter 2013 (June-September)*

DOE discussed surface water monitoring, groundwater monitoring, and site operations (inspections, security, general maintenance, etc.). Highlights included:

- At the Present Landfill, arsenic exceeded the standard; sampling was increased to monthly.
- Reportable 12-month rolling average values for americium, plutonium, and uranium at GS10 were observed during the quarter. Additional sampling is being conducted both upstream and downstream of GS10.
- As of September 30, 2013, uranium is no longer reportable.
- At the Solar Ponds Plume Treatment System, DOE completed several microcell tests, and continued to increase flow through pilot-scale lagoons. The September floods affected the system.
- Following the September floods, cracking and slumping was observed on the eastern side of the Original Landfill. A geotechnical investigation was initiated. Similar localized cracking and movement occurred on west side of the landfill in 2007.

### *Groundwater Briefing*

Throughout 2014, the Stewardship Council will study groundwater issues at Rocky Flats. This briefing was the first in a series of briefings and discussions. This briefing focused primarily on groundwater hydrology at Rocky Flats.

### Legacy Management monthly site inspection summary

DOE reports that its site activities for January focused on routine maintenance and surveillance activities. Those efforts included “routine groundwater treatment system maintenance and monitoring, scheduled well sampling, changing bottles on the surface water samplers as needed, and removing debris and litter from the monitoring locations as needed.” DOE also reports:

#### *Groundwater Treatment Systems*

- East Trenches Plume Treatment System (ETPTS): DOE reports the system is functioning normally.
- Mound Site Plume Treatment System (MTPTS): DOE reports the system is functioning normally.
- Solar Ponds Plume Treatment System (SPPTS): DOE reports the system is functioning normally.

### Contact Record 2014-03

#### *Minor Modification to the March 2008 Present Landfill (PLF) Monitoring and Maintenance Plan*

This contact record details changes to the Present Landfill monitoring plan that was initially discussed in late 2012, with follow up conversations in March and August 2013. These changes include: (quoting from the document)

- As part of the minor modification, RFLMA Attachment 2, Table 3, “Present and Original Landfill Inspection and Maintenance Requirements,” was modified to remove landfill-specific revegetation and inspection requirements as recommended in the third 5-year review report. Landfill vegetation meets success criteria, and it will be monitored and managed under the site-wide vegetation and revegetation plans.
- In addition to the vegetation monitoring requirements, several other items are proposed in this modification, as follows:
  - Update to Figure 1–2, “PLF Site Map,” which shows the location of the PLF within the Central Operable Unit (COU), to reflect the COU surface water configuration after completion of the dam breach projects in 2009 and 2012.
  - Update to Figure 2–1, “PLF Surface Features,” to reflect the PLF Pond dam breach. The historic subsurface asbestos disposal location at the northeast end of the PLF cover will also be added to Figure 2–1 for reference.
  - Update to Figure 5–1, “PLF Seep Treatment System,” to reflect the PLF Pond (labeled as the East Landfill Pond) dam breach. Figure 5–1 will also show the RFLMA sampling location identified as NNG01, which replaced the sampling location identified as PLFPONDEFF “Pond Sample Location,” as discussed in RFLMA Contact Record 2010-04.

- Changes to Appendix A, “Present Landfill Inspection Forms” to remove the vegetation inspection form and to delete the figure, “PLF Inspections,” which is redundant to Figure 2–1.

The contact record can be found at: [http://www.lm.doe.gov/Rocky\\_Flats/ContactRecords.aspx](http://www.lm.doe.gov/Rocky_Flats/ContactRecords.aspx)

### Contact Record 2014-04

*Approval of the installation and operation of an air stripper and the associated Rocky Flats Legacy Management Agreement (RFLMA) Soil Disturbance Review Plan as part of the reconfiguration of the East Trenches Plume Treatment System (ETPTS).*

This contact record is in follow up to Contact Record 2014-01. That contact record concerned the decision to use an air stripper to treat groundwater contaminated with volatile organic compounds (VOCs). 2014-01 also provided that next steps would include DOE preparing the engineering design. That design was completed at the end of January 2014.

Contact Record 2014-04 reflects final approval of the treatment system reconfiguration. As provided in the record,

The ETPTS reconfiguration project will replace the zero-valent-iron based treatment media with a commercial air stripper. The reconfigured system will operate in the following manner. Collected groundwater will be treated in batches: untreated influent will be routed from the groundwater intercept trench to original treatment Cell 1 (Influent Tank, the western high-density polyethylene [HDPE] tank). Each day, this collected water will be pumped from this influent tank to the new commercial air stripper, and treated effluent from this air stripper will drain to original treatment Cell 2 (Effluent Tank, eastern HDPE tank). Under normal conditions, the air stripper will turn on at a preset time each morning and process water that has accumulated since the previous day. It will turn off when the water level drops below a set threshold, and remain off until the next morning. The treated effluent will be pumped from this effluent tank to the discharge gallery at a slower rate.

The contact record also includes information about the electrical power, operations during construction, and compliance with soil disturbance plan requirements.

The contact record can be found at: [http://www.lm.doe.gov/Rocky\\_Flats/ContactRecords.aspx](http://www.lm.doe.gov/Rocky_Flats/ContactRecords.aspx)

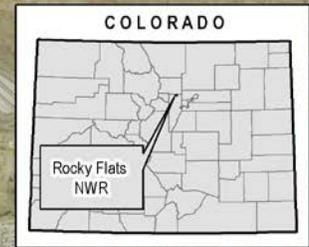
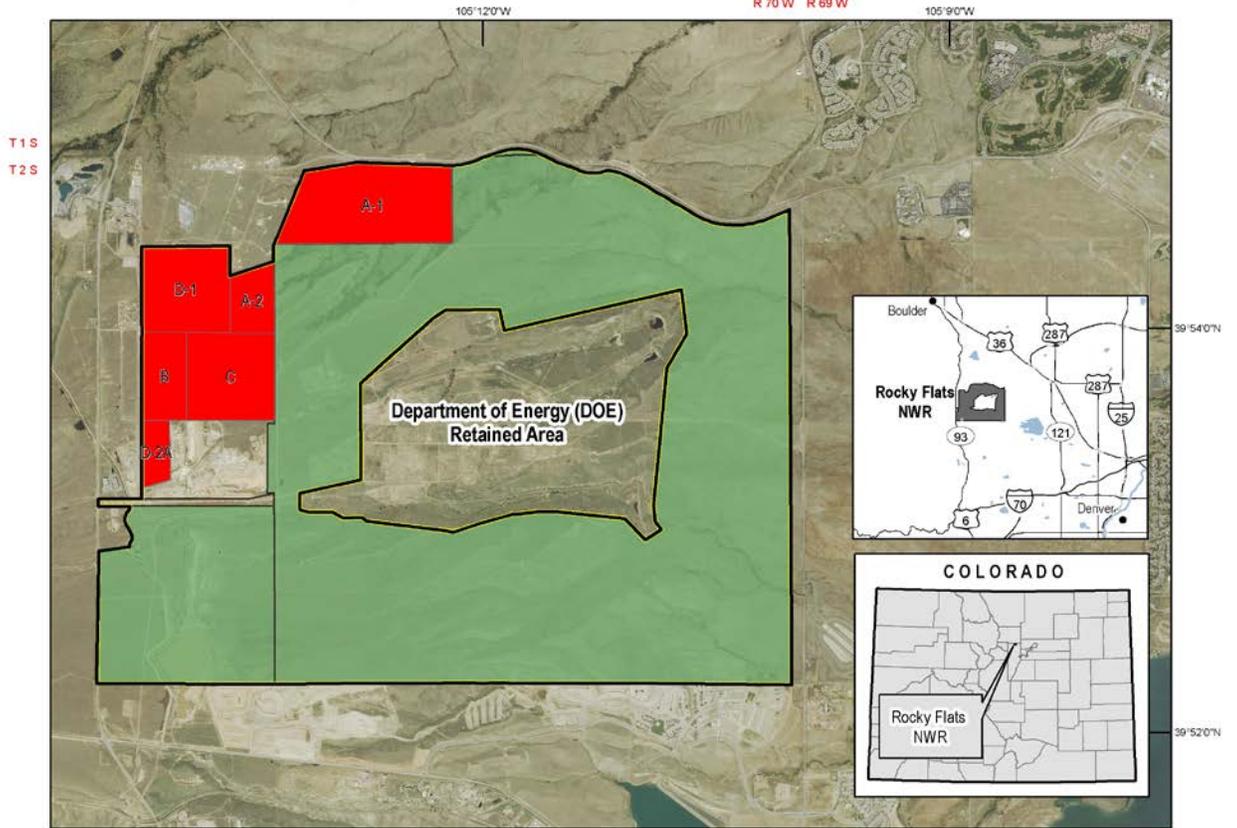
### Transfer of Lands to USFWS

In late February, DOE transferred to USFWS approximately 756 acres of land for inclusion in the Rocky Flats National Wildlife Refuge. These lands were retained by DOE until the federal government acquired mineral rights underlying these parcels. The map below identifies these parcels.

### Stewardship Council update

Next meetings:

April 7, June 2, September 8, November 3



PRODUCED IN THE DIVISION OF REFUGE PLANNING  
 DENVER, COLORADO  
 MAP DATE: 02/25/2014  
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 6TH PRINCIPAL MERIDIAN  
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