

# 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 Westminster -- Town of Superior  
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders  
Arthur Widdowfield

## Monthly Status Report – July 2010

### Board meeting summary

There was no meeting this month.

### Legacy Management monthly site inspection summary

June 2010 Rocky Flats activities included:

#### *Groundwater and Surface Water Monitoring*

- Collected ambient Walnut Creek grab samples
- Conducted Solar Ponds Plume Treatment System (SPPTS) sampling
- Continued 2<sup>nd</sup> quarter groundwater sampling
- Sampled several seeps
- Collected and processed six automated surface water sample suites

#### *Groundwater Treatment Systems*

- Inspected the treatment systems as follows:
  - The East Trenches Plume Treatment System (ETPTS) and Mound Plume Treatment System (MPTS) are functioning normally.
- The SPPTS is undergoing further system optimization to treat nitrate and uranium contamination.

#### *Ecology*

- Conducted wetland mitigation water level monitoring
- Completed mapping known seeps in the Central Operable Unit (COU)
- Conducted nest surveys at A-3, Present Landfill (PLF), and C-2 dam areas
- Continued evaluating erosion control monitoring locations to determine which ones no longer need to be monitored, and began updating field maps
- Conducted Original Landfill (OLF)/PLF quarterly vegetation surveys
- Continued herbicide applications
- Conducted June wetland weed surveys
- Mapped seeps on 903 Lip Area
- Completed mapping Dalmatian toadflax in the COU

- Repaired/installed erosion controls
- Seeded 903 Lip Area to try and increase vegetation abundance on hillside areas
- PMJM inspections were completed.

#### *Site Monitoring & Maintenance*

- Submitted the monthly inspection report for the OLF and quarterly inspection report for the PLF; there were no significant observations to report
- Results for the OLF Seep 7 sampling conducted in May were received in June. Data indicate non-detect results for nearly all analytes, and concentrations of those few analytes detected were well below RFLMA surface water standards.
- Routine repairs to the OLF and site roads were completed, including repairing berms, filling and grading localized cracking and filling and regrading berm channel depressions.
- Non-routine inspections of the OLF and PLF were completed following a 1.5-inch precipitation event. A small (4-inch) crack in a berm on the OLF was filled and compacted when found. No other damage was identified.

### Site Document Update

#### *Rocky Flats Legacy Management Agreement Attachment 2: Modification to Revise Monitoring Points*

(Contact Record: 2010-04)

This contact record concerns DOE's proposal to move the water points of compliance from Indiana Street to the eastern edge of the Central Operating Unit. The contact record reflects the agencies' discussion concerning DOE's proposal but does not constitute approval of DOE's proposal.

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)

The proposed modification can be found at:

[http://www.lm.doe.gov/Rocky\\_Flats/Sites.aspx?view=5](http://www.lm.doe.gov/Rocky_Flats/Sites.aspx?view=5)

#### *Monitoring Results at Surface Water Point of Evaluation (POE) SW027*

(Contact Record: 2010-06)

Surface water location SW027 is the Rocky Flats Legacy Management Agreement (RFLMA) Point of Evaluation (POE) at the eastern (downstream) end of the South Interceptor Ditch (SID), upstream of Pond C-2. Continuous flow-paced composite samples for total plutonium (Pu), total americium (Am), total uranium (U), dissolved cadmium, dissolved silver, total beryllium, and total chromium are collected at SW027.

According to the contact record, "based on the results for continuous flow-paced samples collected through April 27, 2010, when the April 30, 2010, Pu compliance value is calculated including the analytical result for the composite sample currently being collected), it is anticipated that the 12-month rolling average value will exceed the Table 1 standard for Pu (0.15 picocuries per liter [pCi/L])." Further, "the 12-month rolling average for April, 2010 for Pu at SW027 cannot be formally calculated until the sample currently being collected is analyzed. If the calculated result exceeds the Table 1 standard, a reportable condition under RFLMA Attachment 2, Section 6.0, Action Determinations, is triggered."

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)  
The record discusses steps the agencies took to figure out the cause and to address the problems.

### Stewardship Council update:

Next meetings:

August 16<sup>th</sup> (SPECIAL MEETING)

September 13 (2<sup>nd</sup> Monday)

November 8<sup>th</sup> (2<sup>nd</sup> Monday)