

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

Monthly Status Report – October 2017

Board Meeting Summary

2018 Work Plan and Budget

The Board approved the 2018 work plan and 2018 budget.

Community Member Appointments

The member governments appointed the following to the Board of Directors. Terms start at the February 2018 meeting.

League of Women Voters (2-year term)
Rocky Flats Homesteaders (2-year term)
Rocky Flats Cold War Museum (1-year term)
Kim Griffiths (1-year term)

DOE Quarterly Update – 2nd Quarter 2017

Highlights include:

- Surface water sampling at GS59, a monitoring point on Woman Creek downstream of the Original Landfill, showed mean concentrations for all analytes were below the applicable RFLMA water quality standards.
- At the Present Landfill, sampling showed concentrations for all analytes are below the applicable RFLMA water quality standards.
- At SW027, the 12-month rolling average concentrations of plutonium remained reportable from 2016. There was no flow from June 2, 2016, through April 4, 2017. As of April 30, 2017, plutonium is no longer reportable at SW027.
- Concentrations at the Woman Creek Point of Compliance (WOMPOC), downstream of SW027, were not reportable.
- Reportable 30-day average uranium concentrations were observed at Walnut Creek Point of Compliance (WALPOC). Concentrations were reportable for December 8, 2016, to April 3, 2017, during winter baseflow conditions. The 12-month rolling average uranium concentration has remained below the reportable level. See RFLMA Contact Record 2017-02 for more information.
- At the Original Landfill, slumping was identified on May 21 following a precipitation event. Though initially smaller than the 2016 slumping event, the final extent nearly is identical.
- At the North Walnut Creek Slump, personnel regraded the hillside to close cracks, ensure positive drainage, and relocate some of the soil thought to be contributing to the slump. Excess soil (approximately 1,700 cubic yards) was hauled to East Trenches and used as cover on five trenches to promote drainage. The disturbed areas were seeded and hydromulched.

Legacy Management Monthly Site Activities Summary

DOE reports the following for September.

Groundwater Treatment Systems

- East Trenches Plume Treatment System (ETPTS): DOE reports the system, which also treats contaminated water that was previously treated by the Mound Site Plume Treatment System, is working as designed.
- Solar Ponds Plume Treatment System (SPPTS): DOE reports the nitrate treatment system is working as designed. A new microcell, filled with Apatite II (fish bones), was installed on September 11. Personnel collected non-routine samples to fill analytical data gaps identified by the contracted subject matter expert who is investigating uranium treatment options. The samples will be analyzed for non-contaminant constituents that might impact water chemistry.

Groundwater monitoring

- Sampled the North Walnut Creek Slump geoprobe wells; one well was dry.

Ecology

- Completed Preble's mouse mitigation monitoring.
- Completed wetland weed surveys.
- Began photo-point monitoring at various locations around the site.
- Conducted shrub survival counts from the five years of habitat enhancement plantings that were installed from 2012–2016.
- Began revegetation monitoring.

Original Landfill

- Operated the temporary groundwater intercept well pumps.
- Conducted a weather-related inspection on September 25 following a significant precipitation event.

Present Landfill

- Conducted a weather-related inspection on September 25 following a significant precipitation event.

Miscellaneous

- Inspected former building areas on September 25 following a significant precipitation event. No significant changes noted.

Contact Record, 2017-04

"OLF 2017 Interim Maintenance Work: Creating Positive Drainage and Minor Adjustments to Berm Heights, in accordance with Soil Disturbance Review Plan"

This record concerns planned work at the Original Landfill (OLF). Specifically, as provided in the record, maintenance work will include: "(1) regrading the lower portion of the slump to (a) eliminate cracks and pooling areas and (b) create positive drainage, (2) conducting minor regrading of the upper portion of the slump for positive drainage, and (3) conducting surface compaction of the entire slump area to minimize infiltration."

As provided in the record, “Additional actions may be selected for implementation at the OLF to increase slope stability. Field implementation of these additional actions is expected to begin in summer 2018.” The record further provides “CDPHE has determined that the proposed activity: (1) will not compromise or impair the function of the remedy, and (2) will not result in an unacceptable release or exposure to residual subsurface contamination.”

The record can be accessed at: https://www.lm.doe.gov/Rocky_Flats/Sites.aspx?view=5.

Stewardship Council Update

Next Board of Directors Meeting: Monday February 5, 2018