

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
Steven Franks

Monthly Status Report – February 2016

Board meeting summary

Election of Stewardship Council Officers for 2016

The Board elected the following officers. The terms run until the February 2017 meeting.

Chairman – Lisa Morzel (Boulder)
Vice Chairman – Joyce Downing (Northglenn)
Secretary/Treasurer – Jeannette Hillery (League of Women Voters)

Approval of 2016 Meeting Dates

The 2016 meeting dates are as follows:

February 1
April 4
June 6
September 12
October 31

DOE Quarterly Update – 3rd Quarter 2015 (June-September)

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

- Surface water – At GS59 along Woman Creek, composite sampling results for arsenic and selenium were above RFLMA standards. Similar concentrations were detected at upstream location GS05.
- Present Landfill – Sampling showed vinyl chloride, arsenic, and selenium were above the applicable RFLMA standard. Subsequent results from the first monthly sample showed all three analytes were below the standard or were not detected.
- Location SW027 – The 12-month rolling average for plutonium was reportable as of April 30, 2015. RFLMA contact record 2015-05 addresses the issues and mitigating actions.
- Groundwater – The 3rd quarter is a light sampling quarter. Maintenance and upgrades continue at the three groundwater treatment systems.

- Original Landfill – Efforts to stabilize slumping at the landfill continue, as do the analysis for long-term solutions.

Original Landfill – Update

DOE has hired an engineer to recommend options to stabilize parts of the Original Landfill (OLF). In preparation for that briefing at the April 4th Stewardship Council meeting, DOE and Navarro personnel discussed the history of the landfill. A detailed overview of this presentation will be included in the meeting minutes that the Board will adopt at its April 4th meeting. A few highlights are:

- The OLF was a dump. It operated from 1952-1968, when the Present Landfill came on-line. The OLF was used for construction and other debris. Small amounts of waste with hazardous constituents were deposited there.
- Depleted uranium was removed in 1990, with additional hotspot removal prior to closure.
- The closure document for the OLF concluded:
 - The OLF “has been closed for approximately 35 years with an inadequate soil cover and limited stormwater run-on and run-off controls, and very little maintenance applied, and yet the levels and extent of contamination in environmental media are quite low.”
 - “...Groundwater quality is not significantly impacted by the OLF.”
 - The “frequency of occurrence (of downgradient surface water analytes above action levels) is not sufficient to indicate the OLF has a significant chronic impact on surface water quality.”
- The dirt cover applied at closure is designed to “prevent direct contact with landfill soil and commingled waste,” and “control erosion caused by stormwater run-on and runoff.”

Legacy Management monthly site inspection summary

DOE reports that in addition to routine monitoring and maintenance activities, site personnel conducted the following activities in January.

Surface water and groundwater monitoring

- Measured 1st Quarter 2016 groundwater monitoring wells water levels.
- Collected surface water samples for the geochemistry evaluation.

Groundwater Treatment Systems

- Flows at all three treatment systems remain above average. DOE also reports:
- East Trenches Plume Treatment System (ETPTS): The air-flow monitor was connected and now the air flow rate can be monitored when the stripper is operating.
- Mound Site Plume Treatment System (MSPTS): The system is working well.
- Solar Ponds Plume Treatment System (SPPTS): The big box continues to experience clogging and flow troubles. DOE continued the interim configuration project planning.

Ecology

- Conducted erosion control surveys.
- Added woodstraw to bottom of OLF where elk have torn up the coconut matting.
- Revegetated a portion of the former A-series ponds road.

- Completed cleaning out bird nest boxes in preparation for the 2016 nesting season.
- Installed more GeoRidges at Functional Channel 1 to help minimize soil erosion.
- Seeded the perimeter of Present Landfill pond where Canada thistle was sprayed last fall. The goal is to replace the thistle with native grasses.

Stewardship Council Update

2016 Board meetings:

April 4

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September 12

October 31