



# **Rocky Flats Site, Colorado Summary of Second Quarter 2022 Activities**

Rocky Flats Stewardship Council Meeting  
October 31, 2022

# Overview of Second Quarter 2022

## ■ Surface water

- RFLMA Point of Compliance and Point of Evaluation analyte concentrations remained below reportable condition levels in the second quarter of CY 2022 with one exception
  - Despite no flow during the quarter, sample result from May - July 2021 at POE SW027 triggered a reportable condition for the 12-month rolling average plutonium concentrations for May 31, 2022, and June 30, 2022
- Results from quarterly performance monitoring for the PLFTS effluent were acceptable
  - Laboratory error in analysis omitted eight semivolatile organic compounds
  - None of the omitted compounds have been detected above RFLMA standards in previous samples
- Performance monitoring for the OLF showed VOCs and mercury below RFLMA standards; mean concentrations for metals could not be calculated (June composite sample not completed in time for reporting)

## ■ Groundwater and groundwater treatment systems

- Sampled all RFLMA wells
  - Results generally consistent with previous data, will be evaluated in 2022 annual report
- Treatment system maintenance
  - Routine maintenance at all systems
  - ETPTS discharge gallery finished (supply chain issues delayed selected valve boxes)
  - SPPTS plumbing modifications and related uranium treatment bench testing
    - Testing results: Coprecipitation selected as best option
    - Pilot-scale testing to begin in fourth quarter of 2022



# Overview of Second Quarter 2022 (continued)

## ■ Operations and Maintenance

- RFLMA inspections completed including weather-related inspections of the COU and OLF on June 2 (no new issues identified), only routine maintenance performed
- OLF: Monthly inspections, no slumping observed
- PLF: Quarterly inspections, no issues noted
- Landfill Settlement Monument surveys: Vertical settling within design limits
- Site erosion controls monitored and maintained
- NWCS survey: Continued monthly monitoring of survey points

## ■ Ecology

- Wildlife monitoring: nest box surveys, prairie dog surveys (no active towns in COU)
- Vegetation monitoring: weed mapping, wetland surveys (water level, weed surveys), showy milkweed surveys
- Vegetation management: willow stake planting, inter-seeding, weed control
- Third quarter preparations: revegetation monitoring, Preble's mouse habitat monitoring, wetland monitoring, and other activities



**For additional details on any items noted here,  
please view the report at**

[https://lmpublicsearch.lm.doe.gov/lmsites/42398\\_rfs\\_2q22.pdf](https://lmpublicsearch.lm.doe.gov/lmsites/42398_rfs_2q22.pdf)

