
Adaptive Management Plan (AMP) for Surface Water Configuration Environmental Assessment (EA)

Rocky Flats Stewardship Council

April 2, 2012



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AMP for Surface Water Configuration EA

- EA evaluates proposed action to breach remaining retention pond dams
 - A-3 and PLF – 2012
 - A-4, B-5 and C-2 (the terminal pond dams) – 2018-2020
- Finding of No Significant Impact
- Operate dams in flow-through until breached
- May 2011 AMP is a monitoring and data evaluation program to assist in deciding to implement proposed action for terminal ponds in 2018-2020 timeframe or delay to gather additional data
- AMP in addition to mitigating actions included in EA



Mitigating Actions in the EA

- RFLMA monitoring and reporting
- Protect wildlife, birds, and threatened and endangered species
- Erosion controls and revegetation plan
- Wetlands replacement and enhancement
- Actions during construction
 - Drain water to lower levels to increase potential habitat prior to breaching
 - Dust control during construction
 - Follow nationwide dredge and fill permit
 - Follow construction stormwater permit

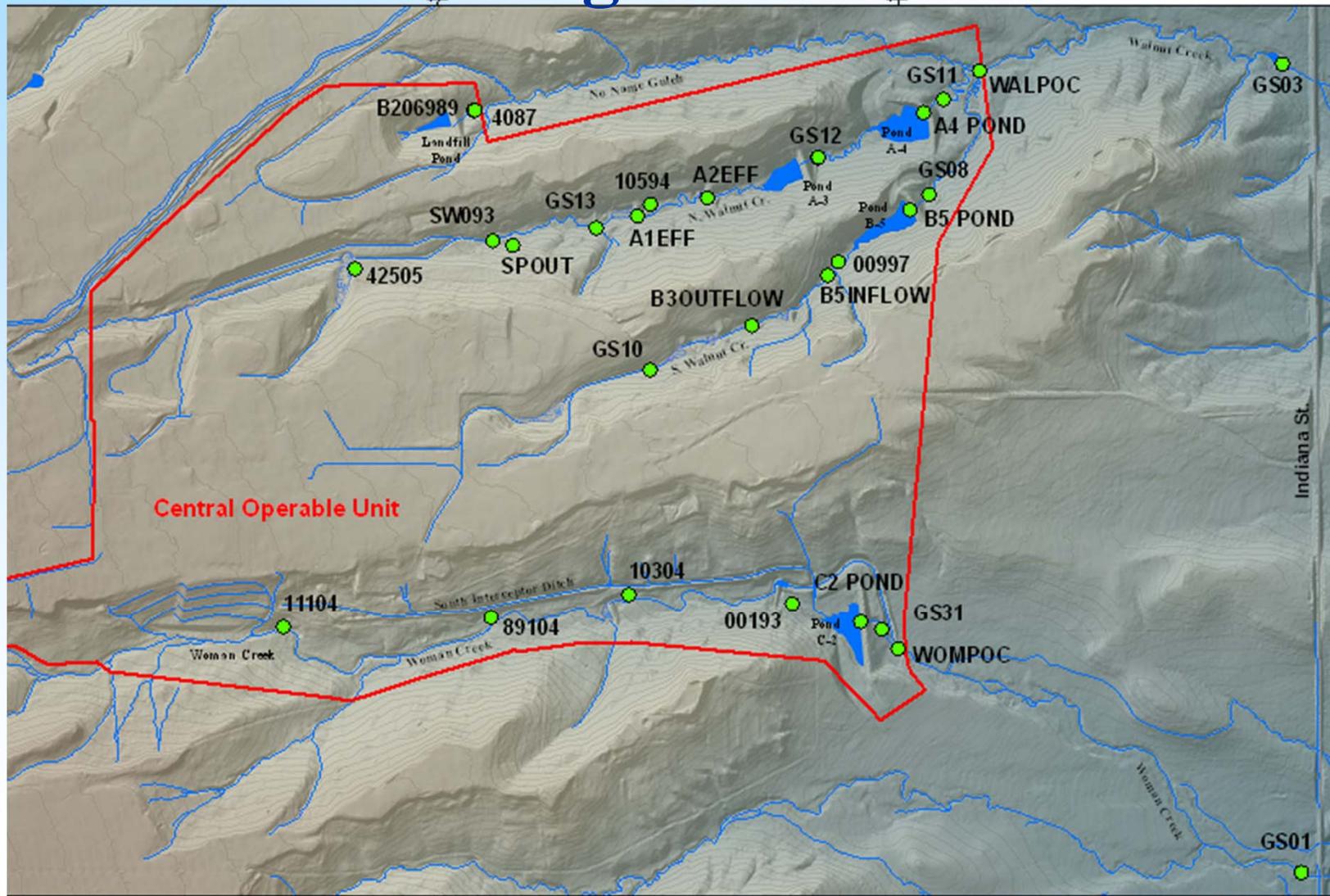


AMP Development Process

- AMP developed through cooperative public process
 - Regular public discussion meetings with engaged stakeholders
 - Rocky Flats Stewardship Council participation to support dissemination of information to the public
 - Structured process
 - Focus list of agreed topics in relation to the EA only
- Emphasis on transparency and cooperative engagement of stakeholders
- The commitment to prepare the AMP was included in the EA



AMP Monitoring Locations



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AMP Implementation Process

- AMP is dynamic – Cooperative process to implement AMP and revise if needed (review every 2 years for recommendations)
- Routine AMP reporting
 - Data exchange
 - email notifications for POC sample collection and results
 - Email notifications for POE or POC result > RFLMA standard
 - 14 day turnaround for POC samples
 - All results posted to GEMS
 - Quarterly summary reports and Annual status report
 - DOE present annual status to AMP group and other interested parties, or as requested during the year



AMP Annual Report

- Initial Annual report – posted to LM website Feb. 28, 2012
 - AMP Group meeting to discuss report on April 2, 2012 following RFSC board meeting

- Monitoring results evaluated in relation to objective
 - Pre-discharge – water quality standards at POCs met
 - Targeted groundwater (Area of Concern wells) – no indication plumes discharging to surface water
 - Flow-through operations – water quality comparable to batch release results
 - Storm event – measurable variability: no increase in Pu, Am, TSS; uranium both increases and decreases



AMP Annual Report (cont.)

- Continuous flow-paced sampling, U – significant variability, but well below standard at locations nearest site boundary; all other locations below EPA's maximum concentration limit for drinking water
- Grab-sampling North and South Walnut Creeks
 - U, (N & S) – noticeable spatial variation in average concentration upstream to downstream
 - N (N) – spatial variation upstream, natural biodegradation apparent downstream; SPPTS small load impact on N Walnut Creek

