

0052517

**Meeting Minutes Transmittal**

**200 LWPF Project Meeting  
Ecology Interface Meeting  
3350 George Washington Way/Rm. 2C58  
Richland, Washington  
December 16, 1999  
11:00 a.m. to 11:30 a.m.**

**RECEIVED**  
FEB 07 2000

**EDMC**

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**Purpose:** Discuss operational status and current permitting issues.

Meeting Minutes are attached. The minutes consist of the following:

**Agenda**

Summary of Discussion and Commitments/Agreements  
Operational Status Report  
Attendance List  
Information Tracking log

**Distribution:**

Greg Sinton	RL	S7-55
Cindy Girres	FDH	T3-01
Jeanne Wallace	Ecology	B5-18
Julie Stitt	FDH	T3-01
Roger Szelmeczka	FDH	S6-72
Kent Smith	WMH	S6-71
Glenn Richardson	RL	S7-55
Joan Bartz	Ecology	B5-18
Dave Dougherty	Ecology	B5-18
Rick Engelmann	WMH	G1-30
Edward Aromi, Jr.	WMH	H6-10
Terry Moore	WMH	G1-32
Janice Williams	FDH	H8-67
Richard Gurske	WMH	G1-37

**Administrative Record - 200 LWPF [Care of EDMC, LMSI (H6-08)]**

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The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project/Ecology Interface Meeting.

*Jeanne J. Wallace*  
Jeanne J. Wallace, Project Manager, Ecology

Date: 1/27/2000

*Gregory L. Sinton*  
Gregory Sinton, Project Manager, RL

Date: 1-27-00

**200 LWPF Project Meeting, FDH Concurrence**

*CK Girres*  
Cynthia K. Girres, Project Manager, FDH WMP

Date: 1-27-00

**200 LWPF PROJECT MEETING  
3350 George Washington Way/Rm. 2C58  
Richland, Washington**

**December 16, 1999  
11:00 a.m. to 11:30 a.m.**

**Agenda**

1. Approval of past 200 LWPF minutes. (Ecology/DOE-RL/FDH)
2. Operational Status (Roger Szelmeczka)
3. Project Specific Issues (Roger Szelmeczka)
  - Update on 200.8 deviation
  - Update on total iron exceedance
  - Update on WTPH-G analysis
  - Mercury analysis
  - ST 4500 and ST 4502 Permit reapplication status
4. Budget/Funding Status (RL)
5. Status of Action Items (Girres)
6. New Action Items (Girres)
7. Next Project Manager's Meeting

Other Attendees:  
Lucinda Borneman

**200 LWPF Project Meeting Minutes**  
3350 George Washington Way/Rm. 2C58  
Richland, Washington

December 16, 1999  
11:00 a.m. to 11:30 a.m.

- I. Approval of November 18, 1999 200 LWPF Project Meeting Minutes (Ecology, DOE-RL, FDH)
  
- II. Operational Status
  - A. Roger Szelmeczka, facility ECO, gave overview of operational status for 200 LWPF.
    - 1. 242-A Evaporator currently shut down.
    - 2. Liquid Effluent Retention Facility (LERF) activity
    - 3. Treated Effluent Disposal Facility (TEDF) activity
    - 4. Effluent Treatment Facility (ETF) activity.
  
- III. Project Specific Issues
  - A. Permit reapplication status
    - 1. FDH reported that the final draft of the permit reapplication for ST4500 will be out shortly.
  - B. Method 200.8 Deviation
    - 1. FDH reported that 200 LWPF is currently reanalyzing 49 samples using mixed-acid digestion. The results are similar to the original data with the exception of chromium. There has been increased chromium in unfiltered groundwater samples with the highest in upgradient well.
  - C. Exceedance of Monthly Average Total Iron
    - 1. Filtering of unpreserved samples proved >99% of iron in TEDF effluent is particulate. Several generators have been requested to investigate and to increase sampling frequency and comply with ICD requirements. Generators may be shipping high-iron effluent to 300 Area TEDF.
  - D. Use of Non-Accredited Laboratory for WTPH-G Analysis
    - 1. Efforts to send a November WTPH-G sample to a lab that was accredited until 11/30, locate an accredited laboratory, or reinstate the accreditation for WSCF have been unsuccessful.
    - 2. Re-accreditation denied because Ecology lab accidentally shipped results with PE sample.
    - 3. An additional sample for WTPH-G was pulled on November 30, 1999 with a 14-day hold time to allow additional time for Analytical Services to resolve the issue.
    - 4. Lab ordered new PE sample.
  
- IV. Budget/Funding Status

- A. 200 LWPF has 22.8 million in funding. There will be a deduction of 1.3 million for DOE-HQ taxes. Some additional funding is coming in from Spent Nuclear Fuels and TWRS Privatization for planning activities.

V. Status of Action Items

- A. LWPF-99-001 – A meeting will be scheduled for January to discuss approach/strategy for delisting petition.
- B. LWPF-99-002 – A meeting will be scheduled for January to discuss 242-A transfer of ancillary components to DST RCRA permit.

VI. New Action Items

No new action items to report.

VII. Next 200 LWPF Project Meeting – Scheduled for January 20, 2000.

**Waste Management Operations Status Report  
December 16, 1999**

**200 Area Liquid Waste Processing Facilities**

**242-A Evaporator**

Currently shut down.

Evaporator campaign 00-01 scheduled for April 2000

**Liquid Effluent Retention Facility (LERF)**

- Basin 42 - Liquid Level: 8.2 ft or 1.82 Mgal
- Basin 43 - Liquid Level: 15.6 ft or 4.45 Mgal
- Basin 44 - Liquid Level: 14.8 ft or 4.11 Mgal
- Basin 43 continues to receive groundwater at 50 gpm
- BHI plans to shut down UP-1 groundwater in December

**200 Area Treated Effluent Disposal Facility (TEDF)**

- Monthly flow average: 89 gpm
- Total discharge: 3,838,000 gallons
- Maximum daily flow: 159 gpm
- Minimum daily flow: 27 gpm

**200 Area Effluent Treatment Facility (ETF)**

- ETF restarted December 1 following chemical accident shutdown
- Processing Basin 43 groundwater until March '00

**200 LWPF Compliance Issues**

Method 200.8 Deviation

- Reanalysis of 49 samples within hold times is in progress using mixed-acid digestion
- Results received similar to original data except chromium
- Increased chromium in unfiltered groundwater samples, highest in upgradient well (chromium is a particulate from corrosion of the well screen)
- Mixed-acid digestion not appropriate for determination of organic mercury
- Samples for total mercury analysis being shipped to St. Louis for cold-vapor AA

Exceedance of Monthly Average Total Iron

- Filtering of unpreserved samples proved >99% of iron in TEDF effluent is particulate.
- Several generators have been requested to investigate and to increase sampling frequency and comply with ICD requirements.
- Generators may be shipping high-iron effluent to 300 Area TEDF

**Use of Non-Accredited Laboratory for WTPH-G Analysis**

- Efforts to send a November WTPH-G sample to a lab that was accredited until 11/30, locate an accredited laboratory, or reinstate the accreditation for WSCF have been unsuccessful.
- Re-accreditation denied because Ecology lab accidentally shipped results with PE sample
- An additional sample for WTPH-G was pulled on November on 11/30/99 with a 14-day hold time to allow additional time for Analytical Services to resolve the issue
- Lab ordered new PE sample



