



Department of Energy

Idaho Operations Office
1955 Fremont Avenue
Idaho Falls, ID 83415

July 11, 2018

Rod Lobos, FFA/CO Manager
Environmental Protection Agency
825 Jadwin Avenue, Suite 210
Richland, WA 99352

Daryl F. Koch, FFA/CO Manager
Waste Management and Remediation Division
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706-1222

SUBJECT: Transmittal of June 2018 Federal Facility Agreement and Consent Order Monthly Report (WDP-RWMC-18-013)

Dear Mr. Lobos and Mr. Koch:

In accordance with Section XVII, Reporting of the Federal Facilities Agreement and Consent Order (FFA/CO), transmitted herewith are copies of the June 2018 FFA/CO Monthly Report.

If you have any questions, please contact me at (208) 526-5793.

Sincerely,

A handwritten signature in black ink, appearing to read "Nolan R. Jensen".

Nolan R. Jensen, FFA/CO Project Manager
Department of Energy, Idaho Operations Office

Enclosure: INL Federal Facility Agreement and Consent Order Monthly Report

cc: S. D. Lee, MFC
C. Henvit, NR-IBO
F. P. Hughes, Fluor Idaho
M. Jewett, Fluor Idaho
B. Meagher, Fluor Idaho

UFC: 6102.RWMC.11
Disposition Authority: ENV1-a
WDP-RWMC-18-013

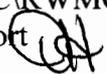
ID DISTRIBUTION:

CONCURRENCE:

Email to: ! DOE-ID EDMS Correspondence (ASC)
Email to: ! Records Management
Jensen, Nolan R.
Malmo, James A.
Naton, Christian
Watson, Will
Zimmerman, John P

RECORD NOTES:

1. This letter was prepared to transmit the June 2018 FFA/CO Monthly Report to the Agencies per the FFA/CO, Section 17.
2. This letter was prepared by Nolan Jensen.
3. This letter/memo closes Zeus number: NA
4. The attached correspondence has no relation to the Naval Nuclear Propulsion Program.

N. Jensen, (WDP); J. Holt, 6-0301; July 11, 2018, O:\DOE-ID\EM-ICP\WDP\RWMC\RWMC
2018 Letters\WDP-RWMC-18-013 Transmittal of June 2018 FFA_CO Monthly Report 

IDAHO CLEANUP PROJECT



**IDAHO NATIONAL LABORATORY
FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (FFA/CO)
MONTHLY REPORT**

June 2018

FFA/CO Report

SCOPE

The Department of Energy – Idaho Operations Office (DOE-ID) through their contractors have responsibility for regulation-compliant characterization, assessment, and remediation of identified release sites listed in the Idaho National Engineering and Environmental Laboratory (INEEL) *Federal Facility Agreement and Consent Order (FFA/CO)*. Planned cleanup activities include excavation, removal, treatment, stabilization, containment, long-term monitoring, and institutional controls, as required to meet regulatory commitments. Activities are structured to effectively and efficiently conduct characterization, assessment, and remediation of all Waste Area Groups (WAGs) and identified release sites listed in the FFA/CO for the Idaho National Laboratory (INL).

The environmental cleanup is structured along the following administrative units:

1. WAG 1 – Test Area North (TAN) Remediation
2. WAG 2 – Reactor Technology Complex (RTC) Remediation (formerly Test Reactor Area –[TRA])
3. WAG 3 – Idaho Nuclear Technology and Engineering Center (INTEC) Remediation
4. WAG 4 – Central Facilities Area (CFA) Remediation
5. WAG 5 – Power Burst Facility/Auxiliary Reactor Area (PBF/ARA) Remediation
6. WAG 7 – Radioactive Waste Management Complex (RWMC) Remediation
7. WAG 8 – Naval Reactors Facility (NRF)
8. WAG 9 – Materials and Fuels Complex (MFC) (formerly Argonne National Laboratory-West ANL-W)
9. WAG 6/10 – Miscellaneous Soil Areas and Groundwater and Long-term Stewardship (LTS)

June 2018 ACCOMPLISHMENTS

- Waste received at the ICDF for the fiscal month June 2018:
 - Solid waste received at landfill: 2.58 m³
 - Liquid waste received at the evaporation ponds: 0 gal
- Continued ARP VIII waste exhumation.
- Continued ARP IX preparations.
- Completed WAG 1 annual water level measurements May 30th, 2018.
- Completed WAG 7 quarterly vapor sampling June 6th, 2018.
- Completed WAG 1 monthly sampling June 14th, 2018.
- Started Westbay well rehabilitation field work on June 19th, 2018.
- Completed CERCLA O&M site inspections June 20th, 2018.
- The WAG 7 Vapor Vacuum Extraction and Treatment (VVET) system removed and treated approximately 443 pounds of total volatile organic compounds (TVOCs) from the vadose zone during the period from May 21st, 2018 to June 24th, 2018.

Note: Summary totals may not agree with the sum of unit totals due to rounding

Organic Contamination in the Vadose Zone Remedial Action. Since the beginning of operations in January of 1996, the following amounts of VOCs have been removed and treated.	
Total Cumulative	Total Current Month
approximately 253,379 lb of TVOC	approximately 443 lb of TVOC
approximately 142,416 lb of CCl ₄	approximately 163 lb of CCl ₄
The cumulative below represents the entire volume per unit since the initiation of operations in January 1996	

Cumulative	Current Month
Unit D	
53,126 lb TVOC 22,568 lb CCl ₄	134 lb TVOC 45 lb CCl ₄
Unit E	
73,367 lb TVOC 42,748 lb CCl ₄	134 lb TVOC 51 lb CCl ₄
Unit F	
127,886 lb TVOC 77,100 lb CCl ₄	175 lb TVOC 67 lb CCl ₄

FFACO Documents:

- Transmitted the final WAG 1 FY17 Annual report to the Agencies May 23rd, 2018.
- Transmitted the draft OU 3-14 Annual Report to the Agencies for review June 7th, 2018.
- Transmitted the final Westbay Rehabilitation Sampling and Analysis Plan to the Agencies June 12th, 2018.
- Transmitted the final WAG 2 Annual Groundwater Monitoring Report June 12th, 2018.
- Transmitted the draft WAG 4 Long-Term Monitoring and Field Sampling Plan to the Agencies for review June 12th, 2018.
- Transmitted the Engineering Position Paper on the final completion of the tank farm paving to the Agencies June 13th, 2018.

Support Activities:

- Processed 4.3 M gallons of water at NPTF.
- Conducted a DEQ site tour May 21st – May 23rd, 2018.
- Completed Pad A quarterly inspection June 6th, 2018.

ISSUES

None

90-DAY LOOK AHEAD

July

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP VIII exhumation operations.
- Compile and report targeted waste retrieval and shipment data.
- Continue Westbay wells rehabilitation.
- Maintain CERCLA data management systems.
- Complete the WAG 3 Long-Term Monitoring Plan revision.
- Complete TRA NSI Part B evaluations (3).
- Complete the WAG 3 FY17 Annual Report.
- Complete TAN quarterly sampling.
- Continue IC inspections and O&M as necessary.
- Complete WAG 7 vadose zone rebound study.
- Begin well maintenance evolution.
- Continue operations and maintenance of the New Pump and Treat Facility at TAN.
- Continue operations and maintenance of the vapor vacuum extraction system in the Subsurface

Disposal Area.

- Complete the OCVZ monthly well sampling and transmit monthly report to the Agencies.
- Complete NSI forms as necessary.

August

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP VIII exhumation operations.
- Compile and report targeted waste retrieval and shipment data.
- Submit the ANL-04 characterization report to the Agencies for review.
- Complete Westbay wells rehabilitation.
- Complete In Situ Bioremediation amendment injection at TAN.
- Complete WAG 4 water levels and groundwater sampling.
- Maintain CERCLA data management systems.
- Complete TAN monthly sampling.
- Continue operations and maintenance of the New Pump and Treat Facility at TAN.
- Continue operations and maintenance of the vapor vacuum extraction system in the Subsurface Disposal Area.
- Complete the OCVZ monthly well sampling and transmit monthly report to the Agencies.
- Complete NSI forms as necessary.

September

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP VIII exhumation operations.
- Compile and report targeted waste retrieval and shipment data.
- Perform WAG 3 semi-annual perched water level measurements.
- Complete ICDF water levels and semi-annual groundwater sampling.
- Complete WAG 4 vapor sampling.
- Maintain CERCLA data management systems.
- Complete TAN monthly sampling.
- Continue operations and maintenance of the New Pump and Treat Facility at TAN.
- Continue operations and maintenance of the vapor vacuum extraction system in the Subsurface Disposal Area.
- Complete the OCVZ monthly well sampling and transmit monthly report to the Agencies.
- Complete NSI forms as necessary.

Significant activities planned to occur in FY 2018:

- Perform annual institutional controls inspections.
- Continue operation of Environmental Data Warehouse and GIS Database.
- Perform site-wide groundwater monitoring as required by field sampling plans.
- Complete the FY 2017 OU 1-07B Annual Report - **Complete**
- Complete the Annual Groundwater Monitoring Report for WAG 2 - **Complete**

- Complete the Annual Monitoring Report for WAG 4 - **Complete**
- Complete the FY 2017 OU 3-14 Operations and Maintenance Report.
- Complete the revised WAG 3 Interim Remedial Action Report - **Complete**
- Complete the revised WAG 3 O&M Plan - **Complete**
- Complete site MISC-50 report and Part B determination - **Complete**
- Complete the Annual Groundwater Monitoring Report for WAG 4 - **Complete**
- Complete annual letter report for OU 7-13/14 Operations and Maintenance - **Complete**
- Complete the revised INL Site-wide Institutional Controls, and Operations and Maintenance Plan for CERCLA - **Complete**
- Complete the annual WAG 10 Annual Groundwater Monitoring Report - **Complete**
- Complete the annual groundwater monitoring report for WAG 7 - **Complete**
- Complete the annual soil moisture monitoring and reporting for WAG 7 - **Complete**
- Complete the Westbay Rehabilitation Sampling and Analysis Plan - **Complete**
- Complete CERCLA O&M site inspections – **Complete**
- Complete Westbay wells rehabilitation.
- Complete ISB injections at TAN.
- Complete the FY 2017 Annual INL Site-Wide Institutional Controls and Operations and Maintenance Report.
- Complete Part B determinations for sites TRA-79, -80, and -61/82 at the ATRx.
- Complete the Long-Term Monitoring Plan report for WAG 7 - **Complete**
- Complete the Vadose Zone Rebound Study Plan for WAG 7.
- Complete the Technical and Functional Requirements for the SDA cap design - **Complete**
- Complete the 30% Preliminary Design for the SDA cap - **Complete**