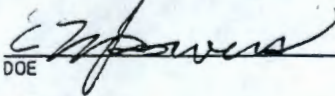
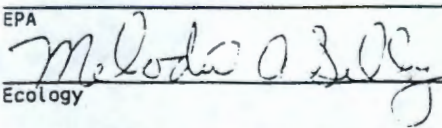
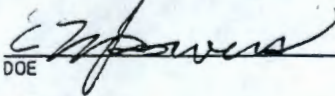
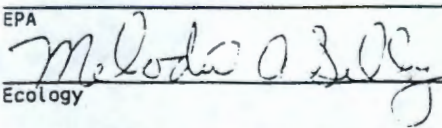

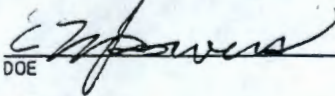
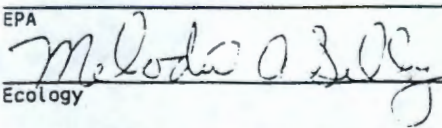


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Change Number M-17-95-07	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date November 27, 1995						
Originator R. N. Krekel/M. A. McLaughlin		Phone (509) 376-4264/376-4084						
Class of Change <input type="checkbox"/> I - Signatories <input type="checkbox"/> II - Executive Manager <input checked="" type="checkbox"/> III - Project Manager								
Change Title Revise Sampling and Analysis Plan for 400 Area Secondary Cooling Water (M-17-44)								
Description/Justification of Change <p>Revision 2 of the 400 Area Secondary Cooling Water Sampling and Analysis Plan (SAP) was submitted in fulfillment of Interim Milestone M-17-44. Revision 3 of the SAP was approved as part of Change Request M-17-93-05, June 23, 1993.</p> <p>The 400 Area Secondary Cooling Water (SCW) Sampling and Analysis Plan, WHC-SD-FF-PLN-002, Rev. 4, has been revised to provide detailed information on intermittent batch effluents. Sections B.1.1 "Intermittent Batch Sources" and D.1.3 "Batch Source Sampling" have been added to the SAP, and effluent point of entry number 77 has been added to the list of effluent contributors in Table 1.</p> <p>The added sections in Revision 4 are as follows:</p> <p>B.1.1 Intermittent Batch Sources</p> <p>There are five intermittent sources that result in batch discharge to the Secondary Cooling Water System. Three of these sources are drums of water, the fourth is the Large Diameter Cleaning Vessel (LDCV) in MASF, and the fifth is the mitigation pump bearing cooling water. The intermittent sources are:</p> <p>(cont.)</p>								
Impact of Change There is no adverse technical impact to the SAP. The change provides additional detailed information on intermittent batch effluent.								
Affected Documents 400 Area Secondary Cooling Water Sampling and Analysis Plan, WHC-SD-FF-PLN-002, Rev. 4. Hanford Federal Facility Agreement and Consent Order, Appendix D, Work Plan.								
Approvals <table border="0"> <tr> <td data-bbox="133 1638 584 1743">  DOE </td> <td data-bbox="600 1638 795 1743"> Date <u>2-29-96</u> </td> <td data-bbox="812 1638 1258 1743"> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved </td> </tr> <tr> <td data-bbox="133 1764 584 1906">  EPA Ecology </td> <td data-bbox="600 1764 795 1906"> Date <u>3/26/96</u> </td> <td data-bbox="812 1764 1258 1906"> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved </td> </tr> </table>		 DOE	Date <u>2-29-96</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	 EPA Ecology	Date <u>3/26/96</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	
 DOE	Date <u>2-29-96</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
 EPA Ecology	Date <u>3/26/96</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved						

Description/Justification (cont.)

1. FMEF H&V System Condensate consisting of moisture condensed from ambient air as it passes through the H&V unit.
2. FFTF Containment H&V Condensate consisting of moisture condensed from ambient air passing through the H&V unit.
3. 400 Area Paint Shop Spray Booth Filter Water.
4. MASF Large Diameter Cleaning Vessel consisting of water used in the testing of mitigation pumps for Tank Waste Remediation Support (TWRS).
5. Bearing Cooling Water at approximately 25 gpm (once through cooling) from mitigation pump test runs.

These sources are discharged through flowpaths identified in Table 1. FMEF condensate is discharged through many of the FMEF floor drains in Table 1. FFTF Condensate and Paint Shop Filter Water are discharged through the FFTF Cooling Tower Overflow Trench, the MASF LDCV is discharged through MASF floor drain #63, and the mitigation pump bearing cooling water is discharged through MASF floor drain #77.

D.1.3 Batch Source Sampling

Each source that is discharged to the Secondary Cooling Water System by batches will be sampled, and the sample analyzed as follows:

FMEF Liquid Retention Waste system (LRWS): Prior to discharge, the LRWS will be analyzed for the constituents listed in Section G.1, Routine Monitoring. The sample analysis will be completed prior to discharge.

FMEF H&V Condensate: Prior to discharge, the condensate will be analyzed for the constituents listed in Section G.1, Routine Monitoring. The sample analysis will be completed prior to discharge.

FFTF Containment H&V Condensate: Prior to discharge, the condensate will be analyzed for the constituents listed in Section G.1, Routine Monitoring. The sample analysis will be completed prior to discharge.

MASF Large Diameter Cleaning Vessel (LDCV): Prior to discharge, the LDCV contents will be analyzed for the constituents listed in Section G.1, Routine Monitoring. The sample analysis will be completed prior to discharge of the vessel contents.

The mitigation pump bearing cooling water will be sampled during pump operation and analyzed for the constituents listed in Section G.1, Routine Monitoring.

Paint Shop Spray Booth Filter Water: The Filter Water will be analyzed for hazardous constituents in accordance with WAC-173-303 requirements. In addition, the water will be characterized in accordance with Section G.2, Effluent Characterization Sampling. Waste designation and characterization analysis will be completed prior to discharge.

In addition, the HB-MASF floor drain is added as item 77 to Table 1, The 400 Area Process Sewer Total List of Contributors. This effluent is generated infrequently and only during LDCV pump testing activities.