

START

Change Number <b>M-17-91-05A</b>	<b>Federal Facility Agreement and Consent Order</b> <b>Change Control Form</b> <b>RECEIVED</b> Do not use blue ink. Type or print using black ink.	Date <b>07/27/92</b>
-------------------------------------	---	-------------------------

Originator <b>D. E. Kelley</b>	Phone <b>373-4745</b>
-----------------------------------	--------------------------

SEP 10 1992  
HEARINGS CLERK  
EPA-REGION X

Class of Change <input checked="" type="checkbox"/> I - Signatories <input type="checkbox"/> II - Project Manager <input type="checkbox"/> III - Unit Manager
--

Change Title <b>RENEGOTIATION OF M-17-00 LIQUID EFFLUENT MILESTONES - MODIFICATION OF CHANGE PACKAGE RESULTING FROM PUBLIC COMMENTS</b>
--

Description/Justification of Change <p>As part of the <u>Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement or TPA)</u>, Washington State Department of Ecology (Ecology), U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) conducted a 45-day public comment period (March 5-April 22, 1992) to obtain public comments regarding proposed changes to Milestone 17, the milestone that manages Hanford's liquid effluent or wastewater discharges. These proposed changes were contained in TPA Change Request M-17-91-05. See continuation on Page 2.</p>
--

Impact of Change <p>This change will provide a more inclusive set of milestones and a greater level of regulatory control and oversight of liquid effluents at the Hanford Site. It should be noted that this change does not affect interim milestones M-17-06A through M-17-06E.</p>
---

Affected Documents: <p>Hanford Federal Facility Agreement and Consent Order Action Plan Table D-3 and Figure D-1. Tri-Party Agreement Milestone M-20 will be modified; tables D4 and D5 will be deleted.</p>
---

Approvals <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	
_____ <i>John D. Wagon</i> DOE	_____ 8/7/92 Date
_____ <i>Dana A. Rasmussen</i> EPA	_____ AUG 18 1992 Date
_____ <i>Chuck Clark</i> Ecology	_____ 8/31/92 Date



Description/Justification of Change (continued)

This TPA Change (i.e., M-17-91-05A) reflects the changes made to M-17-91-05 as a result of public comments. All public comments were considered before making these final changes to Milestone M-17. The response to public comments, copies of the written comments, and meeting transcripts may be viewed at the Hanford Information Repositories.

The changes made to the proposed M-17 interim milestones as a result of public comment are summarized below.

- o 242-A Evaporator/PUREX Plant Condensate Treatment Facility (Project C-018H). Proposed interim milestone M-17-14B which required initiation of pilot plant testing using actual waste from the 242-A Evaporator was deleted. Due to the unforeseen delays in the operation of the 242-A Evaporator, an alternative pilot plant testing and delisting strategy for Project C-018H was developed. This alternative approach made proposed TPA milestone M-17-14B unnecessary and allowed the acceleration of the initial submittal of the delisting petition (i.e., M-17-14C) from August 1993 to October 1992.
- o N Reactor Effluent. The flow rate limits negotiated for the highest priority Phase I effluent streams will control the peak discharges that these facilities can discharge. In order to provide additional assurances that the N Reactor will have limited discharges, a limit on the total volume to be discharged to the 1325-N Liquid Waste Disposal Facility (i.e, N Reactor effluent) was imposed. Proposed interim milestone M-17-15A will be modified to read:

M-17-15A      September 1991

Limit discharges to the LWDF to less than or equal to 2 gallons per minute, averaged over the calendar month. The total volume of wastewater to be discharged to the LWDF from June 1992 to June 1995 shall not exceed 1.8 million gallons. Discharge flow rate shall be determined by measuring the sumps before and after pumping or through monitoring at the discharge to the 1325-N LWDF.

9 2 1 2 6 6 3 0 4 1 6

Description/Justification of Change (continued)

- o Plutonium Finishing Plant Wastewater. The flow limit for the Plutonium Finishing Plant Wastewater was further reduced from 160 gpm to 100 gpm, averaged over a calendar month. Proposed interim milestone M-17-16A will be modified to read:

M-17-16A      September 1991

Limit discharge of the Plutonium Finishing Plant Wastewater to the 216-Z-20 Crib to less than or equal to 100 gallons per minute, averaged over the calendar month.

- o U03 Plant Process Condensate. The flow rate limits negotiated for the highest priority Phase I effluent streams will control the peak discharges that these facilities can discharge. In order to provide additional assurances that the U03 Plant will have limited discharges, a limit on the total volume to be discharged to the 216-U-17 Crib was imposed. Proposed interim milestone M-17-19A will be modified to read:

M-17-19A      September 1991

Limit the discharge of the U03 Plant Process Condensate to the 216-U-17 Crib to less than or equal to 10 gallons per minute, averaged over the calendar month. The total volume of wastewater to be discharged to the 216-U-17 Crib from June 1992 to June 1995 shall not exceed 2 million gallons. Operate and test the efficiency of the Fibermist Eliminator throughout the duration of the U03/U Plant Stabilization Run.

Discharge of the U03 Process Condensate shall be further limited after the Stabilization Run to less than or equal to 2 gallons per minute, averaged over the calendar month. Discharge flow rate shall be calculated based on a batch counter.

Note: The Stabilization Run of the U03/U Plant refers to the operation of the Plant in the Calcination Mode as described in the U03 Plant Process Condensate Stream Specific Report. The Stabilization Run will occur over a short period of time and is necessary to convert Plant inventory to a more stable form for storage.

92125530417

Description/Justification of Change (continued)

- o Decontamination Laundry Facility. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

9 2 1 2 6 3 3 0 4 1 8

TPA Change Request Number M-17-91-05  
Milestone Listing  
July 1992

M-17-00A June, 1995

Complete liquid effluent treatment facilities/upgrades for all Phase I streams.

Hanford currently has 19 Phase I liquid effluent streams being discharged to cribs, ponds, or ditches. Phase I streams are defined in the Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site, September 1988. Some of the cribs, ponds, or ditches are RCRA waste disposal units. These, along with others, are located in areas requiring inactive site investigations/remedial actions. Liquid effluent streams are classified as Phase I streams based upon radionuclide/chemical content, regulatory requirements relative to the waste disposal unit, chemical spill potential, and waste disposal unit life expectancy. Each of the Phase I effluent streams shall be either treated or eliminated, as defined in the above referenced report.

Interim milestones for Phase I Streams include the development and implementation of an impact assessment methodology, sampling and analysis plans, treatment system design and construction commitments, interim flow restrictions and dates for ceasing discharge.

Specific interim/target milestone dates for each stream and any associated treatment or disposal facilities are included in the Appendix D work schedules.

M-17-00B October 1997

Complete implementation of Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all Phase II liquid effluent streams at the Hanford Site.

Hanford's 14 Phase II liquid effluent streams are discharged to cribs, ponds, ditches, or routed to storage facilities. Phase II streams are defined in the Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site, September 1988. Some of the cribs, ponds, or ditches are RCRA waste disposal units. These, along with others, are located in areas requiring inactive site investigations/remedial actions.

All Phase II effluent streams, except those which have been eliminated (e.g., the 209-E Reflector Water and 163-N Demineralizer Liquid Effluent), are managed through a sequence of interim milestones. Interim milestones for Phase II Streams include the development and implementation of an impact assessment

9 2 1 2 6 6 3 0 4 1 9

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

methodology, sampling and analysis plans, treatment system design and construction commitments, interim flow restrictions and dates for ceasing discharge.

Specific interim/target milestone dates for each stream and any associated treatment or disposal facilities are included in the Appendix D work schedules.

The October 1997 completion date for Milestone M-17-00B shall remain unchanged unless all parties agree that a change is necessary in accordance with Article XL of the Tri-Party Agreement. The parties recognize that the milestone may be revised to accelerate or delay implementation of BAT/AKART based on the results of the BAT/AKART evaluations for each of the nine Phase II liquid effluent streams included in Milestone M-17-00B. Negotiations on the schedule for implementation of BAT/AKART at each of the Phase II liquid effluent streams shall be finalized by December 1992. Such negotiations shall be based on the BAT/AKART evaluations, the complexity of the required treatment and any other technology necessary to meet effluent guidelines and permitting requirements set forth by Ecology and EPA. DOE will assure Ecology and EPA of meaningful and fully funded participation in the BAT/AKART determination for each of the following Phase II liquid effluents:

B-Plant Cooling Water  
AY/AZ Tank Farm Steam Condensate  
242-A Evaporator Cooling Water  
242-A Evaporator Steam Condensate  
241-A Tank Farm Cooling Water  
244-AR Vault Cooling Water  
183-D Filter Backwash  
284-E Power Plant Wastewater  
400 Area Secondary Cooling Water

[M-17-02\* January 1995 (deleted by this change package)

Complete PUREX ammonia scrubber distillate treatment system.]

B Plant Chemical Sewer

M-17-04 June 1995

Cease discharge of the B Plant Chemical Sewer to the 216-B-3 Pond system.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

9 2 1 2 6 6 3 0 4 2 0

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

M-17-04A January 1992

Submit the Sampling and Analysis Plan for the B Plant Chemical Sewer to the EPA and Ecology as a primary document.

M-17-04B February 1992

Discontinue the discharge of the B Plant Chemical Sewer to the 216-B-63 Ditch. Reroute this effluent to the 216-B-3 Pond system via the B Plant Cooling Water.

M-17-04C July 1992

Complete construction of 'B Plant Aqueous Make-up Unit (AMU) Area Upgrades' (Project W-004). No chemical inventory will be stored in B Plant AMU tanks until project completion. The chemical addition lines to these tanks will be blanked off, effective September 1991, and will remain so until initiation of acceptance testing.

M-17-04D July 1992

Complete construction of 'B Plant Environmental Compliance Upgrades' (Project W-010H).

200 Area Treated Effluent Disposal Facility (Project W-049H)

M-17-08 June 1995

Initiate full scale hot operations for '200 Area Treated Effluent Disposal Facility' (Project W-049H), with permitted disposal of effluent to either the soil column or surface water.

M-17-08A February 1992

Submit '200 Area Treated Effluent Disposal Facility' (Project W-049H) design-construction schedule to the EPA and Ecology as a primary document.

M-17-08B June 1995

Implement BAT/AKART at the generating facilities which will discharge to '200 Area Treated Effluent Disposal Facility' (Project W-049H). Those effluents included in the project scope include:

- \* Plutonium Finishing Plant Wastewater
- \* 242-S Evaporator Steam Condensate
- \* 2101-M Laboratory Wastewater
- \* 284-W Powerplant Wastewater
- \* T Plant Laboratory Wastewater
- \* T Plant Wastewater

9 2 1 2 6 6 3 0 4 2 1

TPA change Request Number M-17-91-05A  
Milestone Listing  
July 1992

- \* 222-S Laboratory Wastewater
- \* PUREX Chemical Sewer
  - PUREX Steam Condensate
  - PUREX Cooling Water
- \* U03/U Plant Wastewater
- \* U03 Plant Process Condensate
- \* B Plant Steam Condensate
- \* B Plant Process Condensate
- \* B Plant Chemical Sewer
- \* 200E Laundry (New Stream)

300 Area Treated Effluent Disposal Facility (Project L-045H)

M-17-09 December 1994

Initiate full scale hot operations of '300 Area Treated Effluent Disposal Facility' (Project L-045H), with permitted disposal of treated effluent to surface water.

M-17-09A July 1993

Complete definitive design of '300 Area Treated Effluent Disposal Facility' (Project L-045H) and submit design documentation to the EPA and Ecology as a primary document.

Cease Discharge to Hazardous Waste Land Disposal Units

M-17-10 June 1995

Cease all liquid discharges to hazardous waste land disposal units unless such units have been clean closed in accordance with RCRA.

Interim Operating Restrictions

[M-17-11] Date as specified in Table D-5 (action re-assigned by this change package, table deleted)

Complete Actions specified in Appendix D, Table D-5]

Sample and Analysis Plans

[M-17-12] Date as specified in Table D-4 (action re-assigned by this change package, table deleted)

Complete Actions specified in Appendix D, Table D-4]

92126630422

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

Impact Assessments

M-17-13      October 1991

Submit methodology for assessing impact of liquid discharge on groundwater at disposal sites to EPA and Ecology as a primary document.

M-17-13A    30 days after approval notification by EPA and Ecology

Submit a schedule, as a primary document, for implementation of the impact assessment methodology, including but not limited to sites listed below. An assessment will not be required if all disposal to the receiving site has been ceased.

- \*      1325-N Liquid Waste Disposal Facility
- \*      216-Z-20 Crib
- \*      216-U-14 Ditch
- \*      216-U-17 Crib
- \*      216-B-3 Pond system
- \*      216-S-26 Crib
- \*      216-T-4-2 Ditch
- \*      216-T-1 Ditch
- \*      284W Powerhouse Pond
- \*      2101-M Pond
- \*      216-W-LWC Crib
- \*      D Pond
- \*      216-B-63 Ditch
- \*      400 Area Pond

242-A Evaporator/PUREX Plant Condensate Treatment Facility (Project C-018H)

M-17-14      October 1994

Initiate full scale hot operations of '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H), with permitted discharge of treated effluent to the soil column.

M-17-14A    February 1992

Submit the Architect/Engineering firm design-construction schedule for '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H) to the EPA and Ecology.

M-17-14B    June 1992

DELETED. This milestone was deleted as a result of changed project strategy and acceleration of M-17-14C.

9 2 1 2 6 5 3 0 4 2 3

TPA Change Request Number M-17-91-05M  
Milestone Listing  
July 1992

M-17-14C      October 1992

Submit initial submittal of the Federal Delisting petition for treated effluent from '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H) in accordance with 40 CFR 260.22 to the EPA.

M-17-14D      June 1994

Initiate Operational Test Procedures for the '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H) using simulants and/or actual LERF-stored wastes, with recycle to the LERF basins.

N Reactor Effluent

M-17-15      June 1995

Cease discharge to the 1325-N Liquid Waste Disposal Facility (LWDF) system.

M-17-15A      September 1991

Limit discharges to the LWDF to less than or equal to 2 gallons per minute, averaged over the calendar month. The volume of wastewater to be discharged to the LWDF from June 1992 to June 1995 shall not exceed 1.8 million gallons. Discharge flow rate shall be determined by measuring the sumps before and after pumping or through monitoring at the discharge to the 1325-N LWDF.

M-17-15B      January 1992

Submit the N Reactor effluent BAT/AKART evaluation to the EPA and Ecology.

M-17-15C      January 1992

Submit a plan to cease discharge of all liquid effluents to the 1325-N LWDF to EPA and Ecology. This plan shall be based on the implementation of BAT/AKART.

M-17-15D      June 1992

Submit to EPA and Ecology an NPDES permit modification request for the N Reactor effluent.

9 2 1 2 6 5 3 0 4 2 4

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

Plutonium Finishing Plant Wastewater

M-17-16 June 1995

Cease all discharges to the 216-Z-20 Crib.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-16A September 1991

Limit discharge of the Plutonium Finishing Plant Wastewater to the 216-Z-20 Crib to less than or equal to 100 gallons per minute, averaged over the calendar month.

M-17-16B December 1991

Install a flume for the Plutonium Finishing Plant Wastewater for the purposes of flow rate measurement. Thereafter the flow rate shall be measured by the flume and automatically recorded on a strip chart recorder.

M-17-16C December 1992

Complete definitive design of 'Plutonium Finishing Plant Liquid Low-Level Waste System Modification' (Project B-680H) and submit design documentation to the EPA and Ecology as a primary document.

M-17-16D January 1994

Implement closed loop cooling for Buildings 291-Z, 234-5Z, and 236-Z, as provided by '291-Z Closed Loop Cooling' (Project C-040) and 'Plutonium Finishing Plant Liquid Low-Level Waste System Modification' (Project B-680H). Reduce the discharge to the 216-Z-20 Crib to less than or equal to 75 gallons per minute, averaged over the calendar month.

M-17-16E May 1994

Complete 'Plutonium Finishing Plant Liquid Low Level Waste System Modification' (Project B-680H).

U03/U Plant Wastewater

M-17-17 June 1995

Cease discharge of the U03/U Plant Wastewater to the 216-U-14 Ditch.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See Milestone M-17-08.

92126630425

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

M-17-17A September 1991

Except as specified below, limit discharge of the wastewater to the ditch to less than or equal to 450 gallons per minute, averaged over the calendar month. During the Stabilization run, limit the discharge of wastewater to the ditch to less than or equal to 750 gallons per minute, averaged over the calendar month. Measurement of the discharge flow rate shall be by an instantaneous flow rate recorder system with data recording by a strip chart.

Note: The Stabilization Run of the U03/U Plant refers to the operation of the Plant in the Calcination Mode as described in the U03/U Plant Wastewater Stream Specific Report. The Stabilization Run will occur over a short period of time and is necessary to convert Plant inventory to a more stable form for storage.

M-17-17B February 1992

Cease discharge of the 216-U-14 Ditch surface contamination control water. Limit the 216-U-14 Ditch surface contamination control water point source discharge at less than or equal to 300 gallons per minute, as estimated through engineering calculations, until the completion of the Stabilization Run. At the completion of the Stabilization Run, cease the existing contamination control water point source discharge and initiate construction of the engineered surface contamination control solution. The use of clean water during construction is allowed for dust control. This dust control water shall not exceed 300 gpm and must be discontinued by February 1992.

M-17-17C May 1992

Complete a study which evaluates the need for and feasibility of rerouting the U03/U Plant Wastewater to an alternative site and submit it to the EPA and Ecology:

M-17-17D December 1992

Limit U03/U Plant Wastewater effluent flow to less than or equal to 250 gallons per minute, averaged over the calendar month.

242-S Evaporator Steam Condensate

M-17-18 June 1995

Cease discharge of the 242-S Evaporator Steam Condensate to the 216-U-14 Ditch.

9 2 1 2 6 3 0 4 2 6

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-18A September 1991

Limit the discharge of steam condensate to the ditch to less than or equal to 50 gallons per minute. This flow rate is based on the maximum design flow.

M-17-18B September 1992

Replace the air sample pump at the 242-S Evaporator and eliminate the seal water contribution to the 242-S Evaporator Steam Condensate.

U03 Plant Process Condensate

M-17-19 June 1995

Cease discharge to the 216-U-17 Crib.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-19A September 1991

Limit the discharge of the U03 Plant Process Condensate to the 216-U-17 Crib to less than or equal to 10 gallons per minute, averaged over the calendar month. The volume of wastewater to be discharged to the 216-U-17 Crib from June 1992 to June 1995 shall not exceed 2 million gallons. Operate and test the efficiency of the Fibermist Eliminator throughout the duration of the U03/U Plant Stabilization Run.

Discharge of the U03 Process Condensate shall be further limited after the Stabilization Run to less than or equal to 2 gallons per minute, averaged over the calendar month. Discharge flow rate shall be calculated based on a batch counter.

Note: The Stabilization Run of the U03/U Plant refers to the operation of the Plant in the Calcination Mode as described in the U03 Plant Process Condensate Stream Specific Report. The Stabilization Run will occur over a short period of time and is necessary to convert Plant inventory to a more stable form for storage.

PUREX Plant Process Condensate

M-17-20 June 1995

9 2 1 2 5 3 0 4 2 7

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

Cease discharge of the PUREX Plant Cooling Water to the 216-B-3 Pond system.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-23A June 1992

Reroute the PUREX Plant Cooling Water effluent to the 216-B-3 Pond system via the PUREX Chemical Sewer. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

PUREX Plant Chemical Sewer

M-17-24 June 1995

Cease discharge of the PUREX Plant Chemical Sewer to the 216-B-3 Pond system.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-24A June 1992

Complete PUREX reconfiguration and source control to minimize volume and reroute the remaining PUREX Cooling Water and Steam Condensate to the 216-B-3 Pond system via the PUREX Chemical Sewer. Limit the discharge of the PUREX Plant Chemical Sewer to the 216-B-3 Pond system to less than or equal to 600 gallons per minute, averaged over the calendar month. Measurement of the discharge\*flow volume shall be by a combination of magnetic and pneumatic flowmeters with data recording by a strip chart recorder. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

B Plant Steam Condensate

M-17-25 September 1991

Cease all discharge to the 216-B-55 Crib. There shall be no further soil column discharge of B Plant Steam Condensate until BAT/AKART is implemented; until that time, the effluent will be routed to double-shell tanks. Following implementation of BAT/AKART and approval of a Sampling and Analysis Plan, discharge

9 2 1 2 6 5 3 0 4 2 8

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

to the 216-B-55 Crib may resume if supported by the environmental assessment agreed to by EPA and Ecology.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

B Plant Process Condensate

M-17-26 September 1991

Cease discharge to the 216-B-62 Crib. There shall be no further soil column discharge of B Plant Process Condensate until BAT/AKART is implemented; until that time, the effluent will be routed to double-shell tanks. Following implementation of BAT/AKART and approval of a Sampling and Analysis Plan, discharge to the 216-B-62 Crib may resume if supported by the environmental impact assessment agreed to by EPA and Ecology.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

B Plant Cooling Water

M-17-27 April 1992

Submit the Sampling and Analysis Plan for the B Plant Cooling Water to the EPA and Ecology as a primary document.

AY/AZ Tank Farm Steam Condensate

M-17-28 September 1991

Cease discharge to the 216-A-08 Crib. There shall be no further soil column discharge of this effluent until BAT/AKART is implemented; in the interim, the effluent will be routed to double-shell tanks. Following implementation of BAT/AKART and approval of a Sampling and Analysis Plan, discharge to the 216-A-08 Crib may resume if supported by the environmental impact assessment agreed to by EPA and Ecology.

242-A Evaporator Process Condensate

M-17-29 October 1994

Implement BAT/AKART for the 242-A Evaporator Process Condensate.

9 2 1 2 5 6 3 0 4 2 9

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

M-17-29A September 1991

Cease all discharges to the 216-A-37-1 Crib. No soil column disposal of this effluent shall occur until BAT/AKART is implemented as part of '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H). See Milestone M-17-14. Upon restart of the 242-A Evaporator in Fiscal Year 1992, process condensate will be routed to the LERF basins for storage and eventual processing via the '242-A Evaporator/PUREX Plant Condensate Treatment Facility' (Project C-018H).

242-A Evaporator Cooling Water

M-17-30 April 1992

Submit the Sampling and Analysis Plan for the 242-A Evaporator Cooling Water to the EPA and Ecology as a primary document. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

242-A Evaporator Steam Condensate

M-17-31 April 1992

Submit the Sampling and Analysis Plan for the 242-A Evaporator Steam Condensate to the EPA and Ecology as a primary document. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

241-A Tank Farm Cooling Water

M-17-32 December 1996

Complete 'Tank Farm Ventilation Upgrade' (Project W-030).

M-17-32A April 1992

Submit the Sampling and Analysis Plan for the 241-A Tank Farm Cooling Water to the EPA and Ecology as a primary document. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

9212530430

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

244-AR Vault Cooling Water

M-17-33 April 1992

Submit the Sampling and Analysis Plan for the 244-AR Vault Cooling Water to the EPA and Ecology as a primary document. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

2724-W Laundry Wastewater

M-17-34 January 1995

Cease all discharges to the 216-W-LWC Crib.

M-17-34A January 1992

Submit the Sampling and Analysis Plan for the 2724-W Laundry Wastewater to the EPA and Ecology as a primary document.

M-17-34B January 1992

Complete construction of Laundry Effluent 2724-W Wastewater treatment project (B-697).

Decontamination Laundry Facility (Project B-503)

M-17-35 June 1995

DELETED. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

M-17-35A September 1992

DELETED. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

M-17-35B April 1993

DELETED. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

M-17-35C October 1994

DELETED. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

9 2 1 2 5 3 0 4 3 1

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

M-17-35D January 1995

DELETED. Interim milestones M-17-35, M-17-35A, M-17-35B, M-17-35C, and M-17-35D were deleted as a result of the DOE obtaining off-site laundry services.

183-D Filter Backwash

M-17-36 April 1992

Submit the Sampling and Analysis Plan for the 183-D Filter Backwash to the EPA and Ecology as a primary document.

284-E Powerplant Wastewater

M-17-37 April 1992

Submit the Sampling and Analysis Plan for the 284-E Powerplant Wastewater to the EPA and Ecology as a primary document. Effective September 1991, discharge to the 216-B-3 Pond System is allowed, and may continue provided such discharge is consistent with the closure schedule and strategy in any Ecology approved 216-B-3 Pond System Closure Plan.

284-W Powerplant Wastewater

M-17-38 June 1995

Cease all discharges to the 284-W Powerplant Pond.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

M-17-38A April 1992

Submit the Sampling and Analysis Plan for the 284-W Powerplant Wastewater to the EPA and Ecology as a primary document.

222-S Laboratory Wastewater

M-17-39 June 1995

Cease all discharges to the 216-S-26 Crib.

Note: This effluent is contained within the scope of '200 Area Treated Effluent Disposal Facility' (Project W-049H). See milestone M-17-08.

9 2 1 2 6 5 3 0 4 3 2

TPA Change Request Number M-17-91-05A  
Milestone Listing  
July 1992

M-17-43A January 1992

Eliminate effluent contributions to the 2101-M Laboratory Wastewater from 2 of 9 HVAC coolers serving the 2101-M Laboratory.

M-17-43B January 1992

Submit the Sampling and Analysis Plan for the 2101-M Laboratory Wastewater to the EPA and Ecology as a primary document.

400 Area Secondary Cooling Water

M-17-44 April 1992

Submit the Sampling and Analysis Plan for the 400 Area Secondary Cooling Water to the EPA and Ecology as a primary document.

Related TPA interim milestones for submission of RCRA permits (i.e., M-20) to be included in this change package:

M-20-49 October 1991

Submit RCRA Research, Development and Demonstration (RD & D) permit application for the 242-A Evaporator/PUREX Plant Condensate Treatment Facility (Project C-018H) pilot plant testing in accordance with 40 CFR 270.65.

M-20-50 August 1993

Submit complete RCRA Part B permit application for the 242-A Evaporator/PUREX Plant Condensate Treatment Facility (Project C-018H) to Ecology for approval, which includes 80% design detail and available pilot plant test results, to Ecology as a primary document.

9 2 1 2 6 3 3 0 4 3 3