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1	1	Cog. Engr. YG Noorani 8/8/97 R1-44	1	1	RE Larson Acting Mgr., West TF Engr 8/12/97 T4-07
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1	1	QA SM Byers 8/12/97 S1-57	1	1	DG Baide Mgr., East TF Engr 8-11-97 FOR S5-05
1	1	Safety MN Islam 8/11/97 S5-12	1	1	WE Ross Mgr., East TF OPS 8/11/97 S5-07
1	1	Environmental BG Erlandson RP RAVEN FOR 8/13/97 R2-36	1	1	CE Leach Mgr., OPS & Proj. Safety Support 8/14/97 R1-49
1	1	WM Brantley AB Mgmt & Implementation 8/8/97 R1-43	1	1	TC Geer Mgr., Nuclear Safety & Licensing 8-13-97 R1-43
1	1	MA Smith-Fewell AB Mgmt & Implementation 8/8/97 R1-43	1	1	JH Wicks Jr. Mgr., Tank Farms Operations 13 Aug 97 R2-50
1	1	JL Homan Acting Mgr., AB Mgmt & Implementation 5-11-97 R1-43	1	1	WM Funderburke Mgr., TWRS Engr & Nuclear Safety R2-38

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Authorization Basis Requirements Comparison Report

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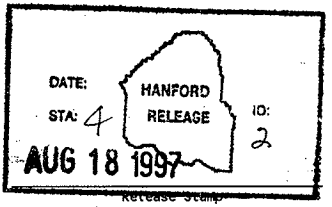
Abstract: The TWRS Authorization Basis (AB) consists of a set of documents identified by TWRS management with the concurrence of DOE-RL. Upon implementation of the TWRS Basis for Interim Operation (BIO) and Technical Safety Requirements (TSRs), the AB list will be revised to include the BIO and TSRs. Some documents that currently form part of the AB will be removed from the list. This SD identifies each requirement from those documents, and recommends a disposition for each to ensure that necessary requirements are retained when the AB is revised to incorporate the BIO and TSRs. This SD also identifies documents that will remain part of the AB after the BIO and TSRs are implemented. This document does not change the AB, but provides guidance for the preparation of change documentation.



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Authorization Basis Requirements Comparison Report

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CONTENTS

LIST OF TABLES

LIST OF TERMS

AB	Authorization Basis
AWF	Aging Waste Facility
BIO	Basis for Interim Operations
DOE	U.S. Department of Energy
HEPA	high-efficiency particulate air
OSR	Operational Safety Requirements
TWRS	Tank Waste Remediation System
TSR	Technical Safety Requirements

1.0 INTRODUCTION

The Authorization Basis is defined in the U.S. Department of Energy (DOE) Order 5480.21, *Unreviewed Safety Questions* (DOE 1991), as:

> "Those aspects of the facility design basis and operational requirements relied upon by DOE to authorize operation. These aspects are considered to be important to the safety of the facility operations. The authorization basis is described in documents such as the facility Safety Analysis Report and other safety analyses; Hazard classification documents, the Technical Safety Requirements, DOE-issued safety evaluation reports, and facility-specific commitments made in order to comply with DOE Orders or policies."

The Authorization Basis for the Tank Waste Remediation System (TWRS) facilities consists of the documents listed in Funderburke (1997). The HNF-SD-WM-BIO-001, *Tank Waste Remediation System Basis for Interim Operation* (BIO) and HNF-SD-WM-TSR-006, *Tank Waste Remediation System Technical Safety Requirements* (TSR) establish an improved basis for safe operation and operational controls for selected TWRS facilities. The BIO provides a new analysis of TWRS hazards and accidents, resulting in a new set of controls. This analysis was prepared independently of the existing analyses used in the current Authorization Basis. The BIO/TSR provides an integrated interim authorization basis that will supersede many current Authorization Basis documents and their associated requirements, thereby eliminating inconsistencies and the potential for error and confusion.

The TWRS facilities are currently operated under a set of controls contained in TWRS Authorization Basis documents. Upon implementation of the BIO, TWRS will be operated under a new set of controls consisting of the BIO with its associated TSRs and those controls noted in Appendix A to be retained in the Authorization Basis. This document does not authorize changes to the current Authorization Basis documents. Engineering Change Notices will be prepared to effect changes to those documents based on the recommendations in Appendix A, Table 1.

2.0 BACKGROUND

The DOE authorizes operation of the TWRS facilities based on the requirements of the documents comprising the Authorization Basis. The requirements are based on hazard and accident analyses that were performed separately for each facility represented by these documents. The current Authorization Basis will become obsolete after the BIO/TSR is implemented.

The BIO performed an independent analysis of all hazards and accidents which could affect TWRS facilities as a whole. Hazards and accidents sometimes pertained to more than one facility, resulting in an independent set of requirements, some identical to and some different than the existing controls. Many controls will be replaced by the BIO/TSR; others will be retained. Table 1 (Appendix A) compares the current Authorization Basis to the BIO/TSR.

2.1 DISCUSSION

Controls from all current Authorization Basis documents that fall within the scope of the BIO were broken into separate requirements and entered into Table 1 (Appendix A). A panel was assembled to do the following: 1) determine whether the BIO/TSR provides a control that adequately addresses the existing requirement, 2) determine whether the old requirement is still needed in the Authorization Basis, and 3) to provide a justification for the decision reached. The panel consisted of members from Authorization Basis Management Integration, Equipment Engineering, Final Safety Analysis Report Development, TWRS Unreviewed Safety Question process, and an independent safety analysis consultant. Each requirement was "mapped" to the BIO/TSR by comparing the basis, applicability, and description of the current control with the BIO/TSR. Requirements with more than one basis were listed multiple times, once for each basis. For the purpose of comparison, references to former Hanford contractors (for example, the Westinghouse Hanford Company and Rockwell Hanford Operations) are considered equivalent to current contractors (for example, Fluor Daniel Hanford and Lockheed Martin Hanford); OSR is equivalent to TSR; and Operations and Engineering contractor is equivalent to Project Hanford Management Contractor.

3.0 TABLE STRUCTURE

The columns of Table 1 (Appendix A) are defined below. (The abbreviation AB represents Authorization Basis).

3.1. CURRENT CONTROL INFORMATION

Columns A through E describe the control from the existing Authorization Basis document.

A. CURRENT AB REFERENCE lists all documents from the current Authorization Basis list. Each document is included in the reference section.

B. CURRENT CONTROL is the number of the requirement from the **CURRENT AB REFERENCE**. Some controls are followed by an Engineering Change Notice number. These controls were added to the current Authorization Basis document by the noted Engineering Change Notice.

C. CURRENT CONTROL BASIS is the underlying reason for the control.

D. CURRENT CONTROL APPLICABILITY notes the facilities, structures, actions, etc. to which the control applies.

E. CURRENT CONTROL DESCRIPTION is a description of the **CURRENT CONTROL** as taken from the **CURRENT AB REFERENCE**. In most cases the description is verbatim; however, because of space restrictions, the description may be summarized. In addition, space constraints may dictate that a given control be broken into several parts, each containing a separate requirement. Finally, the description may be broken into separate parts if the parts map differently.

3.2. COMPARISON OF CURRENT CONTROL TO BIO/TSR

Columns F through H describe the existing control's relationship to the BIO/TSR.

F. MAP is the number denoting how the requirement compares to the BIO/TSR. An explanation of what each mapping number means is as follows:

1. The basis, content, and applicability of the current control are met or exceeded by the BIO/TSR. (The **BIO/TSR CONTROL** column identifies the related control.) For example AC 5.24 from the WHC-SD-WM-OSR-016, *Double-Shell Tank Interim Operational Safety Requirements* requires that for all tanks in the Aging Waste Facility, single- and double-shell tank farms, "a program shall be established to provide excavation permits within the Tank Farms." The basis for this control is to reduce risk of excavation-related leaks.

AC 5.17 from HNF-SD-WM-TSR-006, *Tank Waste Remediation Technical Safety Requirements* (TSR) requires that for active underground waste transfer lines and excavation activities, "A program shall be established, implemented, and maintained to ensure that controls are in place to coordinate excavation activities in areas of WASTE transfers to minimize the potential for WASTE leakage to the surface from an excavation accident." The basis, as stated in the control, is to minimize the potential for waste leakage to the surface from an excavation accident. A key element of this program is to obtain an excavation permit prior to excavating in areas where underground waste transfer lines exist. The TSR control is equivalent to the Operating Safety Requirements (OSR) control.

2. The BIO considered the same basis that was used for an existing control, but selected different controls to address the hazard/accident. (The **BIO/TSR CONTROL** column identifies the related control(s), and the **COMMENTS** column compares the BIO/TSR control with the existing control.) For example, LCO 3.7.2 from WHC-SD-WM-OSR-004, *Aging Waste Facility Operational Safety Requirements*, requires that for AWF tanks, "Raw Water and Emergency Cooling Water systems shall be OPERABLE." The basis for this requirement is to prevent the release of unfiltered airborne contamination by protecting high-efficiency particulate air (HEPA) filters from overheating.

   LCO 3.1.4 from the TSR requires that for primary tank stack continuous air monitors (CAMs) for double-shell tanks and Aging Waste Facility tanks, single-shell tanks with active ventilation (C and SX tank farms), double-contained receiver tanks, and the 204-AR Waste Unloading Facility when active ventilation is operating, "The Ventilation Stack CAM Interlock Systems shall be OPERABLE." The basis for this control is to limit an uncontrolled release of radioactive material to the environment following failure of a HEPA filter. The purpose of the OSR control is to prevent failure of the HEPA filter; the TSR control mitigates the consequences of HEPA filter failure. Both controls satisfactorily protect against the release of airborne contamination.

3. The basis for the existing control is addressed by a similar BIO/TSR control, but the control is not fully incorporated in the BIO/TSR. (The **BIO/TSR CONTROL** column identifies the related control(s), and the **COMMENTS** column explains the differences between the existing control and the BIO/TSR control.) For example SR 11.5(2) from SD-HS-SAR-010, *Aging Waste Facility Safety Analysis Report*, requires that for AWF tanks, "Tank solution temperatures shall be taken daily and recorded per operating procedure." The basis for this requirement is to provide information for prevention of tank bump.

SR 3.3.2.1 from the TSR requires for all double-shell tanks and Aging Waste Facility tanks, verification that the temperature is within limits, with a frequency of 10 days. The basis for this control is also to protect against tank bump. Because the surveillances are required less often than the OSR control, it is mapped as a 3.

4. The BIO/TSR does not identify a control that corresponds to the existing control for the same basis. The disposition columns in Table 1 (Appendix A) will note whether the existing control will be retained in the Authorization Basis. For example, Safety Limit 2.2 from WHC-SD-WM-OSR-004, *Aging Waste Facility Operational Safety Requirements*, requires that for Aging Waste Facility tanks, "The waste temperature in each primary tank shall be maintained within the limits specified below:

   a. Solution temperature $\leq$350 °F.

   b. SLUDGE temperature $\leq$350 °F."

   The basis for this control is to prevent excessive thermal stresses to the primary tank and structural degradation of the concrete shell.

   The BIO concluded in section 5.3.2.13 that controls are not required to protect against temperature-related structural degradation of the tanks. (Note: Safety Limit 2.1 from the TSR sets limits on temperature but only to prevent a potential organic salt-nitrate reaction initiated by a "chemical runaway" reaction that causes bulk heatup of the waste).

5. The document was researched, but no controls were found. For example, SD-WM-SAR-018, *244-AR Vault Safety Analysis Report* contained no Authorization Basis requirements.

6. The entire document is outside the scope of the BIO and should be retained as part of the Authorization Basis. For example, WHC-SD-WM-SAD-035, *A Safety Assessment of Rotary Mode Core Sampling in Flammable Gas Single-Shell Tanks: Hanford Site, Richland, WA* provides requirements for rotary mode core sampling, which is outside the scope of the BIO and must therefore be retained in the new Authorization Basis.

G. BIO/TSR CONTROL is the control from the BIO or the TSR that corresponds to the **CURRENT CONTROL**.

H. COMMENTS provides the rationale for selecting the **MAP** number and the related **BIO/TSR CONTROL**s. This column also notes differences between the **CURRENT CONTROL** and the **BIO/TSR CONTROL**, and may be blank for controls mapped as "1" if no explanation is needed.

3.3. DISPOSITION OF CURRENT CONTROL

Columns I through M describe how the existing control will be dispositioned upon implementation of the BIO/TSR.

I. FULLY INC. IN POST-BIO AB means that the **CURRENT CONTROL** is fully incorporated in the new Authorization Basis. This disposition generally applies to controls mapped as "1" and to documents mapped as "6."

J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL means that the **CURRENT CONTROL** is not fully incorporated in the new Authorization Basis, and the unincorporated portion should be added to the TSR or retained in the **CURRENT AB REFERENCE** document as part of the new Authorization Basis.

K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT means that the control is not fully incorporated in the new Authorization Basis, and its unincorporated portion will be retained in a non-Authorization Basis document. The BIO/TSR developed a suite of controls, based on a new analysis of TWRS hazards and accidents, that are required to safely operate the TWRS facilities. After implementation of the BIO, many **CURRENT CONTROLS** will not be retained as Authorization Basis requirements but should be retained for other purposes (for example, environmental concerns, operational impacts, DOE Order compliance). This column will note where those requirements should reside (for example, Operating Safety Document, procedure, program detail). The non-Authorization Basis document noted in this column is only a recommendation. The intent of the control will be transferred to the most appropriate document. Verbatim incorporation of the control to the transferred document is not required; only that portion of the control required to satisfy the reason given in the JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL column will be transferred.

L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED means that the control is not fully incorporated in the new Authorization Basis, and there is no further need for the unincorporated portion. The control will be deleted from the **CURRENT AB REFERENCE** document and will not be added to another document.

M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL provides the rationale behind retaining the control in the Authorization Basis or deleting it from the Authorization Basis following BIO implementation.

5.0 SUMMARY

Based on the process discussed in this document, each control from the current Authorization Basis has been reviewed against the BIO and a determination made about whether to retain the control after the BIO is implemented. A justification is provided for the disposition of each control.

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APPENDIX A

DISPOSITION OF CURRENT AB CONTROLS

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Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment A, CA 1	Prevent organic nitrate reaction.	All waste storage tanks, 244-AR vault, waste transfer lines	Vehicles entering the tank farms with the intention of going over the dome area require a spotter in communication with the driver.	3	AC 5.10.2	The TSR requires vehicle controls, but does not include the use of spotters as a key element of the program. Note: Spotters are identified as defense-in-depth in the BIO, Section 5.3.2.15.			HASP		The BIO/TSR control is adequate to control the facility. The spotter control will be retained in the HASP.
E&WTF Standing Order 97-01	Attachment A, CA 2	Prevent organic nitrate reaction.	All waste storage tanks, 244-AR vault, waste transfer lines	When lightning is determined to be within 50 miles, stop all waste storage tank intrusive work activities and place the work site in a safe condition.	1	AC 5.10.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
E&WTF Standing Order 97-01	Attachment A, CA 3	Prevent organic nitrate reaction.	All waste storage tanks, 244-AR vault, waste transfer lines	No drilling, welding, grinding, or torch cutting operations will be allowed on systems that have direct access to tank waste.	3	AC 5.10.2	TSR allows flame cutting/welding in a tank with a potential organic solvent hazard, but requires written authorization from the PHMC president AND a barrier or device to prevent hot metal/slag from falling on the WASTE surface .				X	The TSR control prevents hot material from contacting the waste, and is appropriate based on the analysis in BIO 5.3.2.17.
E&WTF Standing Order 97-01	Attachment A, CA 4	Prevent organic nitrate reaction.	All waste storage tanks, 244-AR vault, waste transfer lines	Prior to saltwell pumping any tank, an end state analysis will be conducted to ensure that the tank will remain in a safe condition after pumping. This is in addition to the previously communicated compensatory actions.	2	AC 5.12.2, AC 5.15.2	"Previously communicated compensatory actions" are not defined.				X	The intent of the current control is met by the BIO/TSR. The current control is no longer needed.
E&WTF Standing Order 97-01	Attachment B, CA 4.0	Prevent flammable gas deflagration.	SSTs that are conservatively postulated to have the potential for small spontaneous and large induced GREs. See document for list.	Salt well pumping of Facility Group 2 SSTs is prohibited pending DOE approval of Authorization Basis Amendments for this activity.	1	AC 5.9.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
E&WTF Standing Order 97-01	Attachment B, CA 6.1	Prevent flammable gas deflagration.	Passively ventilated SSTs	The specification limits of OSD-T-151-00013, Section 13.2.2.D.2, for passive breathing pathways. [All SSTs shall be passively ventilated using HEPA breather filters even if active ventilation is temporarily installed].	1	LCO 3.2.3	The TSR control requires the breather filter isolation valve to be open, with no blank installed, on all SSTs not equipped with permanent active ventilation systems, in both OPERATION and LIMITED modes, to prevent accumulation of flammable gas.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
E&WTF Standing Order 97-01	Attachment B, CA 6.2	Prevent flammable gas deflagration.	Passively ventilated SSTs	Verify passive breather filter isolation valve is open, every 10 days, or establish an alternate ventilation path.	1	LCO 3.2.3, SR 3.2.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment B, CA 6.3	Prevent flammable gas deflagration.	DCRTs	Dip tube operation will be verified in DCRTs while containing waste. Vapor space sampling of CR-003 will be performed to verify adequacy of ventilation flow. Terminate transfer into DCRTs upon a loss of dip tube operation.	3	LCO 3.2.4, SR 3.2.4.1	TSR SR requires verification that the active ventilation system for CR-003 is OPERABLE, without specifying a method. LCO Actions require verification that CR-003 flammable gas levels are within limits if the vent system is inoperable.				X	The purpose of the Standing Order requirement is to prevent the accumulation of flammable gas within the DCRTs. The TSR controls perform this function.
E&WTF Standing Order 97-01	Attachment B, CA 6.4	Prevent flammable gas deflagration.	244-AR TK-002	Dip tube operation will be verified in 244-AR, TK-002.	1	SR 3.2.5.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(1)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Mechanical tooling, equipment, and materials shall be of spark resistant material, or shall have been analyzed and shown incapable of sparking under the applied conditions. Material compatibility shall be evaluated for thermite reaction potential.	3	AC 5.10.2	TSR control requires devices to be incapable of sparking "with sufficient energy to combust hydrogen." TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control adequately prevents ignition of vapor space gases. The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(2)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Electrostatic ignition sources shall be controlled by providing bonding or grounding according to NFPA 77 (1993).	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(3)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Exposed polymer materials shall be rendered incapable of electrostatic charge or discharge potential either by design or through acceptable workaround practices providing equivalent safety (NFPA 77 1993).	3	AC 5.10.2	TSR control requires devices to be incapable of sparking "with sufficient energy to combust hydrogen." TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control adequately prevents ignition of vapor space gases. The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(4)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Surface temperatures of heat-generating devices shall not exceed 780 F (320 F if the device can contact the waste and trigger an organic-nitrate reaction). Internal temperatures may exceed the limits if the device is isolated from the gas environment, or	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment B, CA 7.1(5)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Electrical equipment shall be designed to meet NFPA 70 (1996), Class 1, Division 1, Group B criteria or equivalent safety. As a minimum, this shall be interpreted to mean that no single point failure of energized equipment can result in an arc or spark, o	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(6)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Shutdown of purged and pressurized electrical or heat-generating equipment, upon loss of protective gas pressure or flow, shall be automatic by design as defined by NFPA 496 (1993) Type X pressurization.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(7a)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Interlocked startup restrictions of purged and pressurized electrical or heat-generating equipment shall only be allowed upon system sensing of preset safety limits.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.1(7b)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	If pressurized enclosures are used to isolate energized components, a minimum of 4 enclosure volumes (10 volumes for enclosed motors) shall be purged through the enclosure prior to controlled start-up of the system components.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.2(1)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Ignition Source Control Set # 1 items 1 through 4.	3	AC 5.10.2	See comments for CA 7.1(1) and CA 7.1(3). TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment B, CA 7.2(2)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Electrical equipment shall be designed to meet NFPA 70 (1996), Class 1, Division 2, Group B criteria or equivalent safety. As a minimum, this means the equipment is non-sparking under normal operation or, if normally sparking, the sparking component(s) s	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.2(3)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Either automatic shutdown or alarming with manual shutdown is required upon loss of protective gas pressure or flow as defined by NFPA 496 (1993) Type Z pressurization. In ex-tank area applications, electrical equipment that does not meet Class I, Divis	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.2(4a)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	Automatic or manual startup of purged and pressurized electrical or heat-generating equipment shall only be allowed upon system sensing of preset safety limits.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.2(4b)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	If pressurized enclosures are used to isolate energized components, a minimum of 4 enclosure volumes (10 volumes for enclosed motors) shall be purged through the enclosure prior to controlled start-up of the system components.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 7.2(4c)	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	When combustible gas detection shut down systems are employed, start-up of equipment shall only be allowed once measured acceptable flammable gas levels are indicated.	3	AC 5.10.2	TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment B, CA 8.0 Note 1	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	For waste intrusive work, monitoring in addition to ignition source controls is required for the vapor space of open ended objects inserted below the waste surface when flammable gas accumulation and errant spark sources are a concern.	3	AC 5.11	TSR control requires monitoring inside waste intrusive equipment only prior to entry, not continuously. Does not apply to 242-S and 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 8.0 Note 2	Prevent flammable gas deflagration.	Intrusive or waste disturbing activities in SSTs, DSTs (except SY-101), AWF tanks, DCRTs, catch tanks, IMUSTs, 204-AR, 244-AR, 242-S, 242-T, non-tank waste transfer system.	A maximum of 6250 ppm H2 shall be used as the upper "stop work" limit if hydrogen is being measured and used as the only indication of flammable gas concentrations (e.g., a SHMS is used to meet the monitoring requirement).	3	AC 5.11, BIO Appendix E	TSR control specifies 25% LFL as the limit, without including this note. However, Appendix A of JCO-007 (see BIO Appendix E) provides the basis for using 6250 ppm H2 as the equivalent limit. TSR control does not apply to 242-S, 242-T.		Retain for 242-S, 242-T			The TSR control does not apply to 242-S and 242-T; the Standing Order must remain in effect for those facilities until incorporated in another AB document.
E&WTF Standing Order 97-01	Attachment B, CA 8.0(1)	Prevent flammable gas deflagration.	DSTs except SY-101	The specifications limits in the following OSD section will be the compensatory actions for monitoring requirements until the administrative control of the JCO is implemented: OSD-00007 Rev H-18 Sec 7.4.	3	AC 5.11	The OSD referenced by the Standing Order is more restrictive than the TSR AC requirements.				X	The OSD limits are appropriately more conservative than the TSR limits. The Standing Order requirement is intended as an interim measure pending JCO (TSR) implementation, and was never meant to be a permanent part of the AB.
E&WTF Standing Order 97-01	Attachment B, CA 8.0(2)	Prevent flammable gas deflagration.	SSTs	The specifications limits in the following OSD section will be the compensatory actions for monitoring requirements until the administrative control of the JCO is implemented: OSD-00013 Rev D-13 Sec 13.4.	3	AC 5.11	The OSD referenced by the Standing Order is more restrictive than the TSR AC requirements.				X	The OSD limits are appropriately more conservative than the TSR limits. The Standing Order requirement is intended as an interim measure pending JCO (TSR) implementation, and was never meant to be a permanent part of the AB.
E&WTF Standing Order 97-01	Attachment B, CA 8.0(3)	Prevent flammable gas deflagration.	AWF tanks	The specifications limits in the following OSD section will be the compensatory actions for monitoring requirements until the administrative control of the JCO is implemented: OSD-00017 Rev D-9 Sec 17.5.	3	AC 5.11	The OSD referenced by the Standing Order is more restrictive than the TSR AC requirements.				X	The OSD limits are appropriately more conservative than the TSR limits. The Standing Order requirement is intended as an interim measure pending JCO (TSR) implementation, and was never meant to be a permanent part of the AB.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
E&WTF Standing Order 97-01	Attachment B, CA 8.0(4)	Prevent flammable gas deflagration.	Watch list tanks (OSD section 30.2.A.3 applies to flammable gas watch list tanks only)	The specifications limits in the following OSD section will be the compensatory actions for monitoring requirements until the administrative control of the JCO is implemented: OSD-00030 Rev B-25 Sec 30.2.A.	1	AC 5.11		X				The current control is fully incorporated in the BIO/TSR. The Standing Order requirement is intended as an interim measure pending JCO (TSR) implementation, and was never meant to be a permanent part of the AB.
E&WTF Standing Order 97-01	Cover page		Dome loading USQ, Organic-Nitrate Reactions USQ, Flammable Gas USQ	These compensatory actions apply to three open discovery USQs, have the same reporting requirements as IOSRs, cannot be changed without TWRS PRC concurrence and RL notification, and will remain in effect until the applicable JCO is implemented.	3	AC 5.2.1, BIO Sec. 4.15, 4.17 and 1.3.4	This function is addressed in the noted BIO Sections. The TSR does not require PRC concurrence.				X	The Standing Order is superseded by the JCO and BIO/TSR.
Gerton, 1989	None	NA	The 241-A-350 Lift Station Facility.	Deletion of OSRs 11.2.1, 11.3.1, 11.3.2, 11.4.1, 11.4.2, 11.4.5 & 11.4.6 from RHO-CD-1415 and 11.2.2, 11.3.2, 11.3.3, 11.4.1, 11.4.2 & 11.6.1 from RHO-CD-1097 (later became WHC-SD-WM-SAR-033).	5	NA	No controls were found in this document.				X	All controls from WHC-SD-WM-SAR-033 will be replaced/superseded by the BIO/TSRs.
Gray, 1995	NA	NA	241-SY-101	Approval of Changes to Level One Controls for Mixer Pump Operations.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Grumbly 1993	None	NA	Overground Transfer of SST Waste	Approval of Safety Analysis Report Addendum for the Overground Transfer of Single-Shell Tank Waste (WHC-SD-WM-SAR-034, Rev 0-A).	5	NA	No controls were found in this document.				X	This letter provides approval for WHC-SD-WM-SAR-034 Rev. 0-A as an AB document. That document will be superseded as an AB document by the BIO/TSR; therefore this letter will no longer be part of the AB.
Grumbly 1994	1		All Hanford Site high-level waste tanks.	The (Criticality) JCO will remain in effect until WHC completes Criticality Safety Evaluation Reports (CSERs) for single shell and double shell tanks.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
Grumbly 1994	2		All Hanford Site high-level waste tanks.	The (Criticality) JCO will remain in effect until WHC completes criticality prevention specifications (CPSs).	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
Grumbly 1994	3		All Hanford Site high-level waste tanks.	The (Criticality) JCO will remain in effect until WHC completes criticality operating procedures.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

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Grumbly 1994	4		All Hanford Site high-level waste tanks.	The (Criticality) JCO will remain in effect until WHC completes operator training for the revised operating procedures.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
Kinzer, 1996	None	NA	NA	Disregard Comments to the Engineering Change Notice (ECN) 605012.	5	NA	No controls were found in this document.				X	The ECN referred to applied to a criticality that will be replaced by AC 5.7.
Knoll, 1992	NA	NA	NA	Implementation Plan for DOE Orders 5480.21, 5480.22, and 5480.23.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
LA-UR-92-3196, 1995	NA	NA	241-SY-101	A Safety Assessment for Proposed Pump Mixing Operations to Mitigate Episodic Gas Releases in Tank 241-SY-101.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Lee, 1994	Operational Restriction 1(1)		All double shell and aging waste tanks.	All temp or perm loads (individual or combined, including personnel & vehicles) >20,000 lbf are permitted over tank dome only with appvl of responsible TF Ops Mgr & responsible Systems Engrg Mgr. The Shift Mgr will record the approvals in ops shift log.	3	AC 5.16.2	TSR requires a program for managing tank dome loads, but does not specify details of the program other than maximum allowable soil cover and concentrated loads. Other requirements are specified as Defense-in-Depth items.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
Lee, 1994	Operational Restriction 1(2)		All double shell and aging waste tanks.	The Systems Engineering Manager will approve only after conducting an engineering evaluation in accordance with the JCO.	3	AC 5.16.2	TSR requires a program for managing tank dome loads, but does not specify details of the program other than maximum allowable soil cover and concentrated loads. Other requirements are specified as Defense-in-Depth items.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
Lee, 1994	Operational Restriction 2		All double shell and aging waste tanks.	All permanent loads must be logged in as part of the total load & all temporary loads must be accounted for when determining the significance of adding more loads in order to prevent adding more than 20K lbf to the tank without an engineering evaluation.	3	AC 5.16.2	TSR requires a program for managing tank dome loads, but does not specify details of the program other than maximum allowable soil cover and concentrated loads. Other requirements are specified as Defense-in-Depth items.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
RMCS (SA) Safety Evaluation Report (attachment to Wagoner, 1996c)	NA	NA	RMCS	RMCS (SA) Safety Evaluation Report.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-009	NA	NA	242-T	242-T Evaporator Shutdown/Standby Safety Analysis Report.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
SD-HS-SAR-010	AC 5.1(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.1(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.
SD-HS-SAR-010	AC 5.11 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-HS-SAR-010	AC 5.12 (ECN 619396)	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.12.a (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.
SD-HS-SAR-010	AC 5.12.b(1) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be < = 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-HS-SAR-010	AC 5.12.b(2) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory >25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-HS-SAR-010	AC 5.12.c (ECN 619396)	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be < = 125 kg Pu, and < = 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.13 (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.14 (ECN 612684)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.15 (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-HS-SAR-010	AC 5.15(1) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-HS-SAR-010	AC 5.15(2.a) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-HS-SAR-010	AC 5.15(2.b) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-HS-SAR-010	AC 5.2 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.24 (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.24(a) (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.
SD-HS-SAR-010	AC 5.3(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.3(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.3(3) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.1 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.4.2.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.2.b (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.2.c (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.2.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.2.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.2.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.3.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.4.3.b (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-HS-SAR-010	AC 5.4.3.c (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.3.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.4.3.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
SD-HS-SAR-010	AC 5.4.3.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-HS-SAR-010	AC 5.4.3.g (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.6 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-HS-SAR-010	AC 5.7 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
SD-HS-SAR-010	AC 5.8.2 (1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	AC 5.8.2 (2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-HS-SAR-010	AC 5.8.2 (3) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-HS-SAR-010	AC 5.8.2 (4) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	AC 5.8.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5), but will be retained in HNF-IP-0842 to ensure Environmental compliance.
SD-HS-SAR-010	AC 5.8.4(1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
SD-HS-SAR-010	AC 5.8.4(2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-HS-SAR-010	AC 5.8.6 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
SD-HS-SAR-010	AC 5.8.7 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
SD-HS-SAR-010	AC 5.9.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE; Corrective Action Plans developed in response to OSR VIOLATIONs; and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	Design Feature 11.10.1	Diversion capability is required by DOE Order 5820.2, Radioactive Waste Management (July 1979).	AWF tanks	The aging waste tank steam condensate stream shall be equipped with diversion capability, so that the condensate can be confined if it becomes contaminated to nondischargeable levels.	4	None	There is no corresponding TSR control.				X	This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Steam is blanked off and condensate is no longer discharged to the ground.
SD-HS-SAR-010	Design Feature 11.10.2	DOE Order 5820.2, Radioactive Waste Management (July 1979), requires containment of radioactive liquid organic waste.	AWF tanks	The aging waste facilities shall be designed, constructed, and maintained so that radioactive liquid organic waste is not discharged to the ground.	3	AC 5.24.2, BIO Section 4.6	The TSR control requires a Radioactive and Hazardous Material WASTE Management Program, including effluent controls. Details of the program are described in BIO Section 4.6.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-HS-SAR-010	Design Feature 11.5(1) ECN 616447	Support continuous operation of ALCs for prevention of tank bump.	AWF tanks	Backup capability shall be provided for the 241-A-701 compressor-process air supply.	2	LCS/LCO 3.3.2	The TSR control specifies waste temperature limits to prevent tank bump, but does not specify continuous operation of ALCs as the method of maintaining the waste temperature within those limits.				X	The TSR control adequately protects against tank bump, per the analysis in BIO Sec. 5.3.2.22. (Although ALC operability in 241-AZ-101 is needed for Project W-151, the project does not require continuous ALC operability, and does not need this control.)
SD-HS-SAR-010	Design Feature 11.5(2) ECN 616447	Support continuous operation of ALCs for prevention of tank bump.	AWF tanks	Backup power shall be provided for the Doric Temperature Monitoring System in the 241-AY-801 Instrument building.	2	LCS/LCO 3.3.2	The TSR control specifies waste temperature limits to prevent tank bump, but does not specify continuous operation of ALCs as the method of maintaining the waste temperature within those limits.				X	The TSR control adequately protects against tank bump, per the analysis in BIO Sec. 5.3.2.22. (Although ALC operability in 241-AZ-101 is needed for Project W-151, the project does not require continuous ALC operability, and does not need this control.)
SD-HS-SAR-010	Design Feature 11.9	Support continuous sampling of exhaust gases, and/or protect HEPA filter efficiency, to limit releases of airborne contamination.	AWF tanks	Emergency power and backup capacity shall be provided for the 241-A-702 exhaust fans and the 241-A-401 condenser cooling water supply.	3	LCO 3.1.4 and LCO 3.2.1	TSR LCOs 3.1.4 and 3.2.1 require that the CAM interlock system and ventilation system are OPERABLE, but doesn't specifically call out the noted design features.				X	The TSR definition of OPERABLE requires that all attendant equipment also be capable of performing their related safety support functions.
SD-HS-SAR-010	LCO 11.10.1	Diversion capability is required by DOE Order 5820.2, Radioactive Waste Management (July 1979).	AWF tanks	Liquid effluent directed from the aging waste facility to the 216-A-08 crib shall meet the discharge levels specified in DOE Order 5820.2 and concentration guide in Table 1 of RHO-MA-139	4	None	There is no corresponding TSR control.				X	This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Waste is no longer discharged to the crib.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	LCO 11.11	Accumulation of leakage from a primary tank to its annulus could overload the annulus ventilation system, leading to overheating of the secondary tank and concrete foundation.	AWF tanks	A spare aging waste tank shall be maintained, and it shall be operated in such a manner that safe transfer of aging wastes from a leaking tank is as rapid as technically feasible and economically practical.	4	None	There is no corresponding TSR control. Primary tank temperatures are controlled at a level below that which causes structural damage.			OSD 17		Heat control is not required to protect the secondary tank structure, based on the analysis in BIO Sections 5.3.2.13 and 5.3.2.22; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 11.14 (ECN 103856)	Minimize corrosion to maximize tank life.	AWF tanks	The composition of waste stored in AWF tanks shall be controlled to achieve the most favorable corrosion rates possible in order to maximize tank life. A spare AWF tank shall be maintained for use in the event of premature failure of an operating tank.	4	None	There is no corresponding TSR control.			OSD 17 (corrosion specs and spare tank capable of storing AWF waste); WHC-SD-WM-OCD-015 (waste compatibility)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; ctrl will be retained to ensure env. compliance.
SD-HS-SAR-010	LCO 11.15 (ECN 103856)	Prevent stress corrosion cracking of primary tank.	AWF tanks	The tank temperature distribution and heatup rate shall be controlled so that tensile yield stress on the inside surface of the primary tank is not exceeded.	4	None	There is no corresponding TSR control.			OSD 17		Temperature controls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temperature controls to protect against other accidents. Control will be retained in OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 11.4	Prevent stressing and possible uplifting of the tank bottom. The hydrostatic head is calculated as the sum of the tank vacuum (in inches w.g.) and tank liquid level.	AWF tanks	The lowest permissible hydrostatic head on the tank bottom is -3" water gauge.	4	None	There is no corresponding TSR control.			OSD 17		Neither level controls nor pressure controls to protect the tank structure are required, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSDs to ensure Environmental compliance.
SD-HS-SAR-010	LCO 11.5(1)	Continuous operation of ALCs reduces the settling of heat-producing solids and the accumulation of superheat in the bottom of the tank, thus preventing tank bump.	AWF tanks	ALCs shall supply a minimum total flow rate of 50 scfm of air to an active aging waste tank at all times except for periods not to exceed 20 hours (15 hours downtime plus 5 hours minimum restart) cumulative in any one 48 hour period.	2	LCS/LCO 3.3.2	The TSR control specifies waste temperature limits to prevent tank bump, but does not specify continuous operation of ALCs as the method of maintaining the waste temperature within those limits.				X	The TSR control adequately protects against tank bump, per the analysis in BIO Sec. 5.3.2.22. (Although ALC operability in 241-AZ-101 is needed for Project W-151, the project does not require continuous ALC operability, and does not need this control.)

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	LCO 11.5(2)	Continuous operation of ALCs reduces the settling of heat-producing solids and the accumulation of superheat in the bottom of the tank, thus preventing tank bump.	AWF tanks	In addition to the minimum total flow requirement of 50 std feet cubed per minute, no more than 2 adjacent circulators shall be out of service for more than 15 consecutive hours.	2	LCS/LCO 3.3.2	The TSR control specifies waste temperature limits to prevent tank bump, but does not specify continuous operation of ALCs as the method of maintaining the waste temperature within those limits.				X	The TSR control adequately protects against tank bump, per the analysis in BIO Sec. 5.3.2.22. (Although ALC operability in 241-AZ-101 is needed for Project W-151, the project does not require continuous ALC operability, and does not need this control.)
SD-HS-SAR-010	LCO 11.5(3)	Continuous operation of ALCs reduces the settling of heat-producing solids and the accumulation of superheat in the bottom of the tank, thus preventing tank bump.	AWF tanks	The rate of increase in air shall be limited so that the minimum restart time to reach 50 cubic feet per minute is 5 hours and the total time to reestablish normal ALC flows is 5 hours or the downtime, whichever is greater.	2	LCS/LCO 3.3.2	The TSR control specifies waste temperature limits to prevent tank bump, but does not specify continuous operation of ALCs as the method of maintaining the waste temperature within those limits.				X	The TSR control adequately protects against tank bump, per the analysis in BIO Sec. 5.3.2.22. (Although ALC operability in 241-AZ-101 is needed for Project W-151, the project does not require continuous ALC operability, and does not need this control.)
SD-HS-SAR-010	LCO 11.6	Compliance with DOE Order 5820.2, Radioactive Waste Management (June 1979), which requires routine assessment of the integrity of containment systems.	AWF tanks	The annuli of each aging waste tank shall be equipped with at least one operable leak detection device.	4	None	There is no corresponding TSR control. Note TSR LCO 3.2.6 requires primary tank leak detection operability for Flammable Gas mitigation and prevention of a surface pool, but not for DOE ORDER 5820.2 compliance.				X	This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Operable leak detection is required by TSR LCO 3.2.6 for a different basis.
SD-HS-SAR-010	LCO 11.8	Allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the AWF tank farm facilities	Transfer system leak detectors shall be verified as operable (not failed) before a transfer is initiated, or applicable diversion boxes/catch tanks shall be surveyed with portable conductivity probes during the transfer.	3	LCO 3.1.3, SR 3.1.3.1	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			OSD 17 (add reqmt for operable encasement leak detectors where applicable)		Leak detectors in process pits, diversion boxes, vault pits, and cleanout boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18; the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 11.9(1)	Provide notification of excessive concentrations of radionuclides, and verifies the integrity of HEPA filters.	241-A-702 Primary Exhauster; 241-AY and 241-AZ annulus exhausters.	Exhaust gases shall be sampled continuously for particulate activity. Effluent streams > 10% of the concentration guide in Table II shall be monitored continuously for gross beta/gamma activity. Alarms shall be set to levels < 4 times the concentration	3	LCO 3.1.4, AC 5.24, BIO Section 4.6	LCO 3.1.4 applies only to the primary exhauster. The interlock setpoint specified in SR 3.1.4.1 is based on normal operating experience. AC 5.24 and BIO Section 4.6 require effluent controls and environmental monitoring.			Safety Management Program		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the SMP to ensure Environmental compliance.

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SD-HS-SAR-010	LCO 11.9(2)	Enables the facility to meet DOE criteria for releases.	AWF tanks	Air exhausted from AWF tanks and annuli shall pass through two stages of HEPA filtration, each rated at an efficiency of 99.95% (min) for particles between 0.3 and 0.5 microns and of average size 0.5 microns. Filters failing DOP test shall be replaced.	4	None	There is no corresponding TSR control.			OSD 17		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure Environmental compliance. (Note: TSR LCO 3.1.4 limits releases, but does not apply to annulus exhaust systems).
SD-HS-SAR-010	LCO 3.1.2 (ECN 612685)	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 364 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 3.1.2 (ECN 612685)	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 364 inches.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 3.2.2 (ECN 619396)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The primary tank WASTE temperature for each tank shall be maintained < = 300 F.	4	None	There is no corresponding TSR control. Note that TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
SD-HS-SAR-010	LCO 3.2.2 (ECN 619396)	Protect ventilation system from excessive moisture (that could lead to HEPA filter failure).	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The primary tank WASTE temperature for each tank shall be maintained < = 300 F.	2	LCO 3.1.4	The OSR control protects against rupture of the exhaust stack HEPA filters. The TSR control stops an unfiltered release after loss of the HEPA filters. Note TSR LCO 3.2.2 provides temperature controls for prevention of tank bump.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		LCO 3.1.4 safely mitigates consequences of a HEPA filter failure, based on analyses in BIO Sec. 5.3.2.2 & 5.3.2.20; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 3.3.1 (ECN 619396)	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Vapor space pressure monitoring and alarm system shall be operable with LCSs set at: 1. Low alarm > or = -4" water gauge 2. High alarm < 0" water gauge.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			OSD 17 (Add reqmt for operable vapor space pressure monitoring and alarm system).		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.

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SD-HS-SAR-010	LCO 3.3.1 (ECN 619396)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Vapor space pressure monitoring and alarm system shall be operable with LCSs set at: 1. Low alarm > or = -4" water gauge 2. High alarm < 0" water gauge.	4	None	There is no corresponding TSR control.			OSD 17 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 3.3.2 (ECN 706543)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	The pressure in each primary tank vapor space, relative to atmospheric pressure, shall be maintained > or = -4 and < 0 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	LCO 3.6.3 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, sluice pits and diversion boxes shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-HS-SAR-010	LCO 3.6.3 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, sluice pits and diversion boxes shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
SD-HS-SAR-010	SL 2.1 (ECN 612685)	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 370 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental conpliance.
SD-HS-SAR-010	SL 2.1 (ECN 612685)	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 370 inches.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1.. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-HS-SAR-010	SL 2.2 (ECN 619396)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE temperature in each primary tank shall be maintained within the limits: Solution temperature < = 350 F, SLUDGE temperature < = 350 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
SD-HS-SAR-010	SL 2.3 (ECN 706543)	Prevents structural failure of the tank due to excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The pressure in each primary tank vapor space relative to tank annulus shall be maintained > -6 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required, based on the analysis in BIO Section 5.3.2.13; however control will be retained in OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 11.10.1	Diversion capability is required by DOE Order 5820.2, Radioactive Waste Management (July 1979).	AWF tanks	Steam condensate diversion capability is tested at least quarterly with a sealed radioactive source per Instrument Calibration Documents.	4	None	There is no corresponding TSR control.				X	This is an environmental control and is not required as a TSR per DOE Orders 5480.22 and 5480.23. Steam is no longer produced nor diverted.
SD-HS-SAR-010	SR 11.4(1)	Support control of hydrostatic head to prevent stressing and possible uplifting of the tank bottom.	AWF tanks	Tank pressures shall be recorded on strip charts.	4	None	There is no corresponding TSR control.			OSD 17 (Daily pressure measurements are required)		Neither pressure nor level controls to protect the tank structure are required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 11.4(2)	Support control of hydrostatic head to prevent stressing and possible uplifting of the tank bottom.	AWF tanks	Low tank pressure alarms shall be set forth in operating specifications and calibrated annually (not to exceed 13 mo).	4	None	There is no corresponding TSR control.			OSD 17		Neither pressure nor level controls to protect the tank structure are required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 11.4(3)	Support control of hydrostatic head to prevent stressing and possible uplifting of the tank bottom.	AWF tanks	The level indicating transmitter in each tank shall be scanned. Should an LIT become inoperative, liquid levels shall be taken manually at intervals not to exceed 24 h.	4	None	There is no corresponding TSR control.			OSD 17		Neither pressure nor level controls to protect the tank structure are required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 11.5(1)	Support continuous operation of ALCs for prevention of tank bump.	AWF tanks	Air supply manifolds n the 241-AY-801 and the 241-AZ-801 Instrument Buildings shall be set for low flow alarms according to the Operating Specifications and calibrated annually (not to exceed 13 mo) per instrument calibration documents.	4	None	There is no corresponding TSR control.				X	The BIO/TSR provides waste temperature limits (SL 2.1.1, LCS/LCO 3.3.2), but does not specify ALCs as the method for maintaining the temperature within limits.

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SD-HS-SAR-010	SR 11.5(2)	Provide information for prevention of tank bump.	AWF tanks	Tank solution temperatures shall be taken daily and recorded per operating procedure.	3	SR 3.3.2.1	TSR control requires verification that the temperature is within limits, with a frequency of 10 days			OSD 17		The TSR control frequency is adequate for prevention of a tank bump, as explained in the Basis in Appendix B of the TSR. The requirement for daily temperature recording shall be retained in the OSD to ensure environmental compliance.
SD-HS-SAR-010	SR 11.5(3)	Support continuous operation of ALCs for prevention of tank bump.	AWF tanks	The Doric System shall be calibrated per instrument calibration documents.	4	None	There is no corresponding TSR control.				X	The BIO/TSR provides waste temperature limits (SL 2.1.1, LCS/LCO 3.3.2), but does not specify ALCs as the method for maintaining the temperature within limits.
SD-HS-SAR-010	SR 11.6(1)	Compliance with DOE Order 5820.2, Radioactive Waste Management (June 1979), which requires routine assessment of the integrity of containment systems.	AWF tanks	Annulus CAMs and leak detectors shall be functionally tested per Instrument Calibration Documents.	4	None	There is no corresponding TSR control. Note TSR SR 3.2.6.1 requires functional testing of the annulus CAM or the leak detectors, semiannually (182 days), but not both systems and not for the same purpose.			Applicable Preventive Maintenance Procedure		The TSR control (SR 3.2.6.1) is adequate for the purpose defined in the BIO. The current control will be retained in PM procedure to ensure DOE Order and Environmental compliance.
SD-HS-SAR-010	SR 11.6(2)	Compliance with DOE Order 5820.2, Radioactive Waste Management (June 1979), which requires routine assessment of the integrity of containment systems.	AWF tanks	Annulus CAMs (radiation elements) and leak detector alarms shall be tested quarterly, and CAM radiation switches shall be tested annually.	4	None	There is no corresponding TSR control. Note TSR SR 3.2.6.1 requires functional testing of the annulus CAM or the leak detectors, semiannually (182 days), but not both systems and not for the same purpose.			Applicable Preventive Maintenance Procedure		The TSR control (SR 3.2.6.1) is adequate for the purpose defined in the BIO. The current control will be retained in PM procedure to ensure DOE Order and Environmental compliance.
SD-HS-SAR-010	SR 11.8(1)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	AWF tanks	Conductivity leak detector probes shall be tested in raw water, per OTP, before startup.	3	AC 5.24.2, BIO Section 4.7	TSR AC 5.24.2 requires a testing, surveillance, and maintenance program, as described in BIO Section 4.7. The program includes initial testing of all safety SSCs, according to approved procedures.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-HS-SAR-010	SR 11.8(2)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	AWF tanks	Alarms and annunciators shall be tested monthly and relays tested quarterly per Instrument Calibration documents.	3	SR 3.1.3.1	TSR control requires a functional test every 92 days (i.e., quarterly).				X	The frequency specified by the TSR is appropriate, based on operating experience and the maintenance recall system.

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SD-HS-SAR-010	SR 11.8(3)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	AWF tanks	Conductivity probe leak detector circuit operability shall be verified prior to transfers (this is considered part of the transfer route verification).	3	SR 3.1.3.1	TSR control requires a functional test within 92 days of removing an administrative lock from a physically connected transfer pump, and every 92 days thereafter. (Procedure allows skipping verification if calibration performed within last 30 days).					The frequency specified by the TSR is appropriate, based on operating experience and the maintenance recall system. Per WHC-SD-WM-RD-057, the pit leak detectors have a mean time between failure measured in years.
SD-HS-SAR-010	SR 11.8(4)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the AWF Tank Farm facilities.	Constant surveillance using SOPs shall be provided if leak detectors are inoperable.	3	LCO 3.1.3 ACTION A.2.2.1	TSR control requires hourly monitoring, and applies to pit and box leak detectors.				X	The TSR control is adequate to safely mitigate accident consequences; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 11.8(5)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Leak detection pits for AWF tanks	Leak detection pit high weight factor alarms shall be tested semiannually, per Instrument Calibration documents.	3	SR 3.1.3.1	The TSR SR requires functional testing of transfer leak detectors in structures that collect drainage from pipe encasements. The leak detection pit weight factor instruments/alarms perform this function but are not identified as part of the system.		Include in RD-057 and SEL			The weight factor instruments and high weight factor alarms in the AWF leak detection pits are the only way that leakage to the encasements of the side-fill lines is detected (ref. SAR-010, confirmed by conversation with D. Reberger).
SD-HS-SAR-010	SR 11.9(1)	Provide notification of excessive concentrations of radionuclides, and verifies the integrity of HEPA filters.	241-A-702 Primary Exhauster; 241-AY and 241-AZ annulus exhausters.	The CAMs and alarms for exhausts shall be functionally tested every 45 d with a sealed radioactive source traceable to NBS.	3	SR 3.1.4.1, SR 3.2.6.1	SR 3.1.4.1 requires functional testing of the primary exhaust CAM every 92 days. SR 3.2.6.1 requires functional testing of the annulus CAM every 182 days if that CAM is being used for primary tank leak detection.				X	The TSR controls adequately address the safety purposes identified in the BIO. The existing control has been reviewed and is not necessary for Environmental compliance or any other reason, so it will not be retained as a non-AB requirement.
SD-HS-SAR-010	SR 11.9(2)	Provide notification of excessive concentrations of radionuclides, and verifies the integrity of HEPA filters.	241-A-702 Primary Exhauster; 241-AY and 241-AZ annulus exhausters.	The CAMs are calibrated annually in accordance with RHO-MA-139, Environmental Protection Manual, and per Instrument Calibration Documents.	3	SR 3.1.4.2, SR 3.2.6.1, AC 5.19	SR 3.1.4.2 requires annual calibration of the primary exhaust CAM. SR 3.2.6.1 requires semiannual functional testing of the annulus CAM when it is used for primary tank leak detection. AC 5.19 would also apply to the annulus CAM as a leak detector.					The TSR controls adequately address the safety purposes identified in the BIO. The existing control has been reviewed and is not necessary for Environmental compliance or any other reason, so it will not be retained as a non-AB requirement.
SD-HS-SAR-010	SR 11.9(3)	Provide notification of excessive concentrations of radionuclides, and verifies the integrity of HEPA filters.	241-A-702 Primary Exhauster; 241-AY and 241-AZ annulus exhausters.	The CAM alarms are set to annunciate at levels specified in RHO-MA-139, Environmental Protection Manual.	3	SR 3.1.4.1, AC 5.24, BIO Section 4.6	SR 3.1.4.1 applies only to the primary exhauster, and specifies a setpoint based on normal operating experience. AC 5.24 and BIO Sec. 4.6 require environmental monitoring and effluent controls.			Safety Management Program		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the SMP to ensure Environmental compliance.

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SD-HS-SAR-010	SR 11.9(4)	Enables the facility to meet DOE criteria for releases.	241-A-702 Primary Exhauster; 241-AY and 241-AZ annulus exhausters.	The HEPA filtration is required by operating specifications, and in-place DOP-testing of HEPA filters is performed per RHO-CD-125 and RHO-MA-139.	4	None	There is no corresponding TSR control.			OSD 16, 17		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.1.2.1 (ECN 612685)	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Verify waste level is < or = 364". 36 hours.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.1.2.1 (ECN 612685)	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Verify waste level is < or = 364". 36 hours.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.2.2.1 (ECN 619396)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY primary tank WASTE temperature for each tank is within limits. 7 days.	4	None	There is no corresponding TSR control. Note that TSR SR 3.3.2.1 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.3.1.1 (ECN 619396)	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			Instrument Calibration Documents		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.3.1.1 (ECN 619396)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.

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SD-HS-SAR-010	SR 3.3.2.1 (ECN 706543)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify primary tank vapor space pressure is within limits. 36 hr.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-HS-SAR-010	SR 3.6.3.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
SD-HS-SAR-010	SR 3.6.3.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
SD-WM-SAR-006	11.4.2.2	Interim isolation criteria do not allow the addition of waste to SST. Addition of waste to an interim isolated facility would increase the hazard of continued storage, due to potential increase in tank leak risk and in heat load.	All interim isolated facilities (including isolated SST and all auxiliary facilities listed in Table 5-1 of SD-WM-SAR-006).	No waste shall be transferred to an interim isolated facility. No nozzle seal shall be removed which provides a connection from an active facility to an interim isolated facility.	1	AC 5.12.2	TSR control prohibits waste transfer to SSTs, and requires sealing of nozzles to prevent misroutes.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.1(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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SD-WM-SAR-006	AC 5.1(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.
SD-WM-SAR-006	AC 5.11 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-006	AC 5.12 (ECN 619396)	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.12.a (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.

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SD-WM-SAR-006	AC 5.12.b(1) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be < = 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-WM-SAR-006	AC 5.12.b(2) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory > 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-WM-SAR-006	AC 5.12.c (ECN 619396)	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be < = 125 kg Pu, and < = 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-WM-SAR-006	AC 5.13 (ECN 612685)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.14 (ECN 612684)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.15 (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.

Table A-1. Disposition of Current Authorization Basis Controls

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SD-WM-SAR-006	AC 5.15(1) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-006	AC 5.15(2.a) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-006	AC 5.15(2.b) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-006	AC 5.2 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.24 (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.24(a) (ECN 612685)	Reduce risk of excavation-related leaks.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-006	AC 5.3(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.3(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.3(3) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.30.2(1) (ECN 612684)	N/A	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure that WASTE transfers into SSTs do not occur.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.30.2(2) (ECN 612684)	Helps to ensure that transfers to SSTs do not occur	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WASTE transfer program shall include a system which will control the removal of blanks from lines to active transfer facilities.	1	AC 5.12.2	The TSR transfer system configuration management controls require sealing of nozzles to prevent misroutes of waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.1 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.2.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-006	AC 5.4.2.b (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.2.c (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.2.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.2.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.2.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.3.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-006	AC 5.4.3.b (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-006	AC 5.4.3.c (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.3.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.4.3.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
SD-WM-SAR-006	AC 5.4.3.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-006	AC 5.4.3.g (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-006	AC 5.6 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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SD-WM-SAR-006	AC 5.7 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
SD-WM-SAR-006	AC 5.8.2 (1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.8.2 (2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-WM-SAR-006	AC 5.8.2 (3) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-WM-SAR-006	AC 5.8.2 (4) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	AC 5.8.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.

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SD-WM-SAR-006	AC 5.8.4(1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
SD-WM-SAR-006	AC 5.8.4(2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-006	AC 5.8.6 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
SD-WM-SAR-006	AC 5.8.7 (ECN 619396)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
SD-WM-SAR-006	AC 5.9.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE; Corrective Action Plans developed in response to OSR VIOLATIONs; and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
SD-WM-SAR-006	Design Feature 11.4.1.1(a)	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	For SSTs on active ventilation, the exhauster fans shall be designed to produce a vacuum of no more than 7 in. w.g. in associated tanks.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

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SD-WM-SAR-006	Design Feature 11.4.1.1(b)	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	For SSTs on passive ventilation, a seal loop shall be provided which evacuates at less than + or -7 in. w.g.	4	None	There is no corresponding TSR control.			OSD 13; seal loop must be OPERABLE		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however control to have seal loop OPERABLE will be retained in OSD to ensure Environmental compliance.
SD-WM-SAR-006	LCO 3.2.1 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Single Shell Tank (SST) WASTE temperature monitoring system shall be OPERABLE and WASTE temperature shall be maintained < = 300 F. Applies to High Heat tanks.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			OSD 13 (Just add note that temp limit protects tank strucaure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
SD-WM-SAR-006	LCO 3.6.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-006	LCO 3.6.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
SD-WM-SAR-006	LCS 11.4.1.1	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	The vapor space vacuum shall not exceed the lesser of: a. -10" water gauge with respect to atmosphere or b. the waste height minus 0.5."	4	None	There is no corresponding TSR control.			OSD 13 (Protect structural integrity)		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-006	SL 11.4.1.1	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	The vapor space vacuum shall not exceed the lesser of: a. -15" water gauge with respect to atmosphere or b. The waste height.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-006	SL 2.2 (ECN 612684)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	The WASTE temperature in each Single Shell Tank (SST) shall be maintained <= 350 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, but not for protection of the tank structure.			OSD 13 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
SD-WM-SAR-006	SR 11.4.1.1(a)	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	For SSTs on active ventilation, the exhauster inlet pressure (vacuum) shall be recorded at least once daily not to exceed 30 h.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-006	SR 11.4.1.1(b)	Structural failure (uplift) of tank, and dome collapse.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for interim isolated SSTs.	For SSTs on passive ventilation, the seal loop fluid status (full or empty) shall be recorded at least once every 10 days.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-006	SR 3.2.1.1 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	VERIFY each HIGH HEAT SST WASTE temperature is within limits. 31 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (SR 3.3.1.1) for prevention of tank bump, but not for preservation of structural integrity.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. A more restrictive control is required for another reason by TSR SR 3.3.1.1.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-006	SR 3.2.1.2 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Perform FUNCTIONAL TEST on each SST WASTE temperature monitoring system. 92 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (AC 5.19, LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			Instrument Calibration Documents		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained to prevent tank bump and to ensure Environmental compliance.
SD-WM-SAR-006	SR 3.6.1.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND, during transfer, once per 72 hours (permanent covers); once per 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
SD-WM-SAR-006	SR 3.6.1.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND, during transfer, once per 72 hours (permanent covers); once per 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
SD-WM-SAR-016	AC 5.1(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.1(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	TSR AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.11 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-016	AC 5.12 (ECN 619396)	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.12.a (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.
SD-WM-SAR-016	AC 5.12.b(1) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be <= 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.12.b(2) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory >25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-WM-SAR-016	AC 5.12.c (ECN 619396)	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be <= 125 kg Pu, and <= 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
SD-WM-SAR-016	AC 5.13 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.14 (ECN 612684)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.15 (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-016	AC 5.15(1) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.15(2.a) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-016	AC 5.15(2.b) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
SD-WM-SAR-016	AC 5.2 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.24 (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.24(a) (ECN 612685)	Reduce risk of excavation-related leaks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.
SD-WM-SAR-016	AC 5.3(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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SD-WM-SAR-016	AC 5.3(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.3(3) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.1 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.2.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.2.b (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.2.c (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.4.2.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.2.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.2.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.3.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-016	AC 5.4.3.b (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-016	AC 5.4.3.c (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.4.3.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.4.3.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
SD-WM-SAR-016	AC 5.4.3.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-016	AC 5.4.3.g (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
SD-WM-SAR-016	AC 5.6 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-016	AC 5.7 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
SD-WM-SAR-016	AC 5.8.2 (1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.8.2 (2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-WM-SAR-016	AC 5.8.2 (3) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
SD-WM-SAR-016	AC 5.8.2 (4) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	AC 5.8.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
SD-WM-SAR-016	AC 5.8.4(1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
SD-WM-SAR-016	AC 5.8.4(2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	AC 5.8.6 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
SD-WM-SAR-016	AC 5.8.7 (ECN 619396)	N/A	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
SD-WM-SAR-016	AC 5.9.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE; Corrective Action Plans developed in response to OSR VIOLATIONs; and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
SD-WM-SAR-016	LCO 11.4	Comply w/DOE Order 5820.2 reqmt for integrity assessment of containment systems, and to detect tank leak.	241-SY, AN, AW and AP Tanks.	The annuli of each tank shall be equipped with at least one operable leak detection device.	4	None	There is no corresponding TSR control. Note TSR LCO 3.2.6 requires primary tank leak detection operability for Flammable Gas mitigation and prevention of a surface pool, but not for DOE ORDER 5820.2 compliance.				X	This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Operable leak detection is required by TSR LCO 3.2.6 for a different basis.
SD-WM-SAR-016	LCO 11.5	Structural failure (uplift) of tanks.	241-SY, AN, AW and AP Tanks.	The ventilation system shall not be operated unless the liquid level is 6".	4	None	There is no corresponding TSR control.			OSD 7 (Protect against tank uplift hazard and convert to hydrostatic head).		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	LCO 11.6 (ECN 619396)	Protects exposure assumptions for unfiltered release accident calcs.	241-SY, AN, AW and AP Tanks.	Tank farm pressurization (per farm) shall be limited to a cumulative total of 40 hours during the most recent 12 month period.	4	None	There is no corresponding TSR control.				X	Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13.
SD-WM-SAR-016	LCO 11.7	Allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the 241-SY, AN, AW and AP Tank Farm facilities.	Transfer system leak detectors shall be verified as operable (not failed) before a transfer is initiated, or applicable diversion boxes/catch tanks shall be constantly surveyed with portable conductivity probes during the transfer.	3	LCO 3.1.3, SR 3.1.3.1	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			OSD 7 (add reqmt for operable encasement leak detectors where applicable)		Leak detectors in process pits, diversion boxes, vault pits, and cleanout boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18; the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	LCO 3.1.2 (ECN 612685)	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Tank levels shall be maintained at: 1. DSTs except for 102 AW < or = 416" 2. 102 AW < or = 410."	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	LCO 3.1.2 (ECN 612685)	Prevents the potential for structural failure of the tank induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Tank levels shall be maintained at: 1. DSTs except for 102 AW < or = 416" 2. 102 AW < or = 410."	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	LCO 3.2.2 (ECN 619396)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The primary tank WASTE temperature for each tank shall be maintained within the following limits: 1. AN, AW and SY < or = 200 F 2. AP < or = 180 F.	4	None	There is no corresponding TSR control. Note: TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, not for structural integrity. The TSR LCO allows a waste temperature of up to 195 F (215 F below 15 ft of waste) for all DSTs.			OSD 7		Temperature controls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temperature controls to protect against other accidents. Control will be retained in OSD to ensure Environmental compliance.
SD-WM-SAR-016	LCO 3.2.2 (ECN 619396)	Protect ventilation system from excessive moisture (that could lead to HEPA filter failure).	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The primary tank WASTE temperature for each tank shall be maintained within the following limits: 1. AN, AW and SY < or = 200 F 2. AP < or = 180 F.	2	LCO 3.1.4	The OSR control protects against rupture of the exhaust stack HEPA filters. The TSR control stops an unfiltered release after loss of the HEPA filters. Note TSR LCO 3.2.2 provides temperature controls for prevention of tank bump.			OSD 7		LCO 3.1.4 safely mitigates consequences of a HEPA filter failure, based on analyses in BIO Sec. 5.3.2.2 & 5.3.2.20; however the control will be retained in the OSD to ensure Env. compliance. Note SAR limits are based on tank structure requirements.
SD-WM-SAR-016	LCO 3.3.1 (ECN 619396)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Pressure monitoring/alarm system shall be operable and the alarms set at: 1. Low > or = -4" 2. High < 0."	4	None	There is no corresponding TSR control.			OSD 7 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	SL 2.3 (ECN 706543)	Protect the structural integrity of the tanks from damage due to excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Primary tank pressure, relative to tank annulus shall be maintained at: 1. AN, AW and SY farms > 0r = -6" water gauge. 2. AP farm > or = -12" water gauge.	4	None	There is no corresponding TSR control.			OSD 7		Pressure controls to protect the tank structure are not required, based on the analysis in BIO Section 5.3.2.13; however control will be retained in OSD to ensure Environmental compliance.
SD-WM-SAR-016	SL 2.4 (ECN 706543)	Prevents structural failure of the tank due to overpressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The vapor space pressure for each primary tank, relative to atmosphere, shall be maintained < = 60 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 7 (Add note that pressure limit protects tank structure).		Pressure controls to protect the tank structure are not required, based on the analysis in BIO Section 5.3.2.13; however control will be retained in OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 11.4(1)	Comply w/DOE Order 5820.2 reqmt for integrity assessment of containment systems, and to detect tank leak.	241-SY, AN, AW and AP Tanks.	Test annulus CAMs and leak detector alarms monthly, leak detector relays quarterly, and CAM radiation switches annually per Instrument Calibration Documents.	4	None	There is no corresponding TSR control. Note TSR SR 3.2.6.1 requires functional testing of the annulus CAM or the leak detectors, semiannually (182 days), but not both systems and not for the same purpose.			Applicable Preventive Maintenance Procedure		The TSR control (SR 3.2.6.1) is adequate for the purpose defined in the BIO. The current control will be retained in PM procedure to ensure DOE Order and Environmental compliance.
SD-WM-SAR-016	SR 11.4(2)	Comply w/DOE Order 5820.2 reqmt for integrity assessment of containment systems, and to detect tank leak.	241-SY, AN, AW and AP Tanks.	The annulus monitoring system shall be continuously scanned by CASS.	4	None	There is no corresponding TSR control.			OSD 7 (Appropriate Environmentally-driven leak detection requirements will be added to OSD)		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure DOE Order and Environmental compliance.
SD-WM-SAR-016	SR 11.4(3)	Comply w/DOE Order 5820.2 reqmt for integrity assessment of containment systems, and to detect tank leak.	241-SY, AN, AW and AP Tanks.	Alarms shall be displayed in the Instrument Buildings at the evaporators.	4	None	There is no corresponding TSR control.				X	This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Alarms will be displayed wherever appropriate to best facilitate discovery of leaks.
SD-WM-SAR-016	SR 11.5(1)	Structural failure (uplift) of tanks.	241-SY, AN, AW and AP Tanks.	Level indicating transmitters in each tank shall be calibrated during Acceptance Test Procedures and Operability Test Procedures prior to startup.	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 11.5(2)	Structural failure (uplift) of tanks.	241-SY, AN, AW and AP Tanks.	The level indicating transmitter in each tank shall be continuously scanned.	4	None	There is no corresponding TSR control.			OSD 17		Neither pressure nor level controls to protect the tank structure are required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT.	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	SR 11.7(1)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the 241-SY, AN, AW and AP Tank Farm facilities.	Leak detector probes shall be tested in raw water, per OTP, before startup.	3	AC 5.24.2, BIO Section 4.7	TSR AC 5.24.2 requires a testing, surveillance, and maintenance program, as described in BIO Section 4.7. The program includes initial testing of all safety SSCs, according to approved procedures.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-016	SR 11.7(2)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the 241-SY, AN, AW and AP Tank Farm facilities.	Alarms and annunciators shall be tested per Instrument Calibration documents.	1	SR 3.1.3.1	No frequency is stated for the SAR requirement. The TSR control requires a functional test within 92 days of removing an administrative lock from a physically connected transfer pump, and every 92 days thereafter.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-016	SR 11.7(3)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the 241-SY, AN, AW and AP Tank Farm facilities.	Standard Operating Procedures require verification of leak detector circuit operability prior to transfers (this is considered part of transfer route verification).	3	SR 3.1.3.1	TSR control requires a functional test within 92 days of removing an administrative lock from a physically connected transfer pump, and every 92 days thereafter. (Procedure allows skipping verification if calibration performed within last 30 days).				X	The frequency specified by the TSR is appropriate, based on operating experience and the maintenance recall system. Per WHC-SD-WM-RD-057, the pit leak detectors have a mean time between failure measured in years.
SD-WM-SAR-016	SR 11.7(4)	Support timely detection of leaks to allow prompt corrective action to minimize the risk of discharge of radioactive material to the environment.	Process pipelines and associated encasements, pits, and boxes in the 241-SY, AN, AW and AP Tank Farm facilities.	Constant surveillance shall be provided if leak detectors are inoperable.	3	LCO 3.1.3 ACTION A.2.2.1	TSR control allows transfers to continue with hourly monitoring for leaks, and applies to pit and box leak detectors.			OSD 7		The TSR control is adequate to safely mitigate accident consequences; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.1.2.1 (ECN 612685)	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY the WASTE level in each primary tank is within the following limits: a. For all DSTs except for tank 102-AW, 416 inches, and b. For DST 102-AW, 410 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.1.2.1 (ECN 612685)	Prevents the potential for structural failure of the tank induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY the WASTE level in each primary tank is within the following limits: a. For all DSTs except for tank 102-AW, 416 inches, and b. For DST 102-AW, 410 inches.	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
SD-WM-SAR-016	SR 3.2.2.1 (ECN 619396)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY primary tank WASTE temperature for each tank is within limits. 7 days	4	None	There is no corresponding TSR control. Note that TSR SR 3.3.2.1 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 7		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.3.1.1 (ECN 619396)	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			Instrument Calibration Documents		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.3.1.1 (ECN 619396)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.3.2.1 (ECN 706543)	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify primary tank vapor space pressure is within limits. 36 hr.	4	None	There is no corresponding TSR control.			OSD 7		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-016	SR 3.6.3.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.

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SD-WM-SAR-016	SR 3.6.3.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
SD-WM-SAR-018	11.0 (4)	NA	244-AR Vault	In conclusion, in accordance with guidelines (DOE 1981; Rockwell 1984; NRC 1973), this SAR does not contain OSRs.	5	NA	This document contains no Authorization Basis controls.			OSD 14		This document is superseded as an AB document by the BIO/TSR. The non-AB requirements from this document will be retained as OSD requirements.
SD-WM-SAR-039	Emergency procedures		Cross-site transfer system	Rockwell Hanford Operations has developed and maintained an emergency preparedness program, which includes plans and procedures for immediate responses to unexpected occurrences.	1	AC 5.14		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Excavation permits 1		Cross-site transfer system	Excavation permits are required for all excavations in the 200 Areas. The permits list all underground lines in the excavation site and require locking out and tagging of all pumps that transfer waste through pipes near the excavation.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Excavation permits 2		Cross-site transfer system	Excavation permits also require hand digging to locate lines in the area to be excavated and to a specified depth.	1	AC 5.17.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Pressure testing		Cross-site transfer system	The pipelines are periodically pressure checked at 200 psig for 1/2 hour according to ARH-CD-237, standard for hydrostatic testing existing buried waste lines.	4	None	There is no corresponding TSR control.			OSD 10		Pressure checks of transfer lines are defense-in-depth controls for Subsurface Leak Remaining Subsurface (BIO 5.3.2.7) and Subsurface Leak Resulting in Pool (BIO 5.3.2.19). The control will also be retained in the OSD to ensure Environmental compliance.
SD-WM-SAR-039	Process procedures 1		Cross-site transfer system	All new or revised process SOPs must be prepared by knowledgeable Operations Process Engineering personnel, reviewed by QA engineers and Safety and Environmental Protection personnel, and reviewed and approved by Tank Farm Operations supervision.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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SD-WM-SAR-039	Process procedures 2		Cross-site transfer system	All SOPs are reviewed regularly to assess their effectiveness and adequacy with respect to current plant operating modes and administrative requirements. Compliance with SOPs, which is mandatory, is regularly audited and documented.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-039	Process specifications and standards		Cross-site transfer system	Operation of the cross-country waste transfer system according to process specifications and standards is a mandatory administrative requirement. Changes to process specifications and standards require written approval/acceptance by Rockwell management.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-039	Quality Assurance		Cross-site transfer system	The Manager, Quality Assurance and Safety Division, is responsible for the enforcement and audit of the Rockwell QA Program. Supplemental instructions in the form of QA Instructions or QA Procedures are adhered to by personnel and are used in training.	3	BIO Sec. 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
SD-WM-SAR-039	Rupture of encasement and pipeline by earthquake: detection 1		Cross-site transfer system	In the event of any earthquake, all transfers in the tank farm would be stopped. A complete investigation of the integrity of all equipment, including pipeline pressure checks, diversion boxes, vent station, etc. would be made prior to facility restart.	3	AC 5.14.2	The TSR control requires emergency response plans for a seismic event to specify required actions based on the magnitude of the event, and recovery plans for restart of services and equipment. The TSR does not specify details of the plans.			HNF-IP-1266		The TSR controls provide the appropriate level of detail for the AB. Implementing details are addressed in the implementing documents.
SD-WM-SAR-039	Rupture of encasement and pipeline by earthquake: detection 2		Cross-site transfer system	Damage to an encased line as the result of an earthquake would be detected by visual examination of the terrain and by pressure checking the pipeline following the event.	3	AC 5.12.2, AC 5.14.2	AC 5.12.2 requires independent verification that the piping for the planned transfer route is in place per config. status controls. AC 5.14.2 requires recovery plans for restart of services and equipment, but does not specify the details of the plans.			HNF-IP-1266		The TSR controls provide the appropriate level of detail for the AB. Implementing details are addressed in the implementing documents.
SD-WM-SAR-039	Rupture of encasement and pipeline by earthquake: response		Cross-site transfer system	Following an earthquake, the transfer pump would be immediately shut off and a radiation survey and visual examination of the pipeline area would take place. If no breach was detected, the pipelines would be pressure checked at 200 psig for 30 minutes.	3	AC 5.14.2	The TSR control requires emergency response plans for a seismic event to specify required actions based on the magnitude of the event, and recovery plans for restart of services and equipment, but does not specify the details of the plans.			HNF-IP-1266		The TSR controls provide the appropriate level of detail for the AB. Implementing details are addressed in the implementing documents.

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SD-WM-SAR-039	Rupture of encasement and pipeline by excavation: detection		Cross-site transfer system	Damage to an encased line caused by power equipment operation would be detected by visual observation or by radiation monitoring. If the damage was not observed, any leak would be detected by catch tank level monitoring or material balance discrepancy.	3	AC 5.12.2, AC 5.17.2	TSR AC 5.12.2 requires catch tank level monitoring and material balance calculations. TSR AC 5.17.2 requires emergency response plans for waste leaks to be in place prior to start of excavation, but does not specify leak detection details.			HNF-IP-1266		The TSR controls provide the appropriate level of detail for the AB. Implementing details are addressed in the implementing documents.
SD-WM-SAR-039	Rupture of encasement and pipeline by excavation: response 1		Cross-site transfer system	If a pipeline was damaged by power equipment operation, excavation would be stopped. A radiological evaluation would be made, the leak stabilized, and a complete radiation survey made. The pipeline would be inspected and corrective action taken.	3	AC 5.14.2, AC 5.17.2	TSR requires emergency response plans for waste leaks to be in place prior to start of excavation. The plans will specify required actions and recovery plans for restart of services and equipment.			HNF-IP-1266		The TSR controls provide the appropriate level of detail for the AB. Implementing details are addressed in the implementing documents.
SD-WM-SAR-039	Tank overflow: detection	Detect overflow of tank.	241-EW-151 Vent Station Catch Tank	Liquid level readings are taken every 2 hr in the vent station catch tank, as well as in 241-UX-302-B and 241-ER-311, to which the overflow would drain. If liquid level increases go unnoticed, the leak would be detected by material balance discrepancy.	1	AC 5.12.2	TSR requires liquid level readings and material balance calculations at 30 and 60 minutes following WASTE transfer initiation and each 2 hours thereafter until the transfer is complete.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Tank overflow: response	Detect overflow of tank.	241-EW-151 Vent Station Catch Tank	Detection of a leaking vent station vent valve would result in the operator taking immediate steps to close the valve. If the valve could not be closed the transfer would be promptly terminated and appropriate corrective action would be taken.	1	AC 5.14.2, LCO 3.1.3		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Waste transfer line leak detection	Detect overflow of tank.	Cross-site transfer system	Transfer line leakage to the encasement would be detected by liquid level rise in a catch tank. A leaky jumper would activate the conductivity probe leak detection alarm or, if the system fails, the leak would be detected by transfer material balance.	1	AC 5.12.2, LCO 3.1.3		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Waste transfer line leak response 1	Detect overflow of tank.	Cross-site transfer system	A leak detected by a conductivity probe in a diversion box would result in an alarm. The operator on duty would immediately take steps to stop the transfer. The source of the leak would be investigated and appropriate corrective action taken.	1	AC 5.14.2, LCO 3.1.3		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SD-WM-SAR-039	Waste transfer line leak response 2	Detect overflow of tank.	Cross-site transfer system	Transfers would be stopped by Tank Farm Operations personnel manually if material balances indicated a leak.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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SD-WM-SSP-002	NA	NA	242-S	242-S Facility Shutdown/Standby Plan.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Sheridan, 1994a	2		Ferrocyanide tanks (BY-103, BY-104, BY-105, BY-106, BY-107, BY-108, BY-110, BY-111, BY-112, C-108, C-109, C 111, C-112, T-107, TX-118, TY-101, TY-103, TY-104)	Necessary monitoring, controls, and procedures must be in place to ensure that operations are conducted within the criteria prior to resolution of the ferrocyanide safety issue.	4	None	The ferrocyanide safety issue is closed. The hazard requires no controls.				X	The ferrocyanide safety issue has been resolved. Ref. Memorandum from Alvin L. Alm, "Resolution of the Ferrocyanide Safety Issue," dated December 24, 1996.
Sheridan, 1994b	2	Organic safety issue.		The necessary monitoring, controls, and procedures must be in place to ensure that operations are conducted within the criteria prior to resolution of the organic safety issue.	1	SL 2.1.1, LCS/LCO 3.3.1, LCS/LCO 3.3.2, SR 3.3.1.1, SR 3.3.2.1, AC 5.10.2, AC 5.12.2, AC 5.14.2, AC 5.15.2, AC 5.18.2, AC 5.19.2	The organic safety issue includes both the organic solvent fire and the organic salt-nitrate reaction accidents.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
SWP (SA) Safety Evaluation Report (attachment to Wagoner, 1996b)	NA	NA	Salt Well Pumping	SWP (SA) Safety Evaluation Report.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Wagoner, 1993	None	NA	TWRS	Approval of Hanford Site Tank Farm Facilities Interim Safety Basis.	5	NA	This letter approved the ISB with comments that have long since been closed out (according to conversation with Sheldon Stahl). Note that the ISB has been subsequently approved by different letters.				X	This letter provides approval of SD-WM-SAR-018 and SD-WM-SAR-040 as AB documents. Both those documents will be superseded as AB documents by the BIO/TSR; therefore this letter will no longer be part of the AB.

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Wagoner, 1994	1		All double shell and aging waste tanks.	For purposes of Unreviewed Safety Question determinations regarding dome loading, the (Dome Loading) JCO controls and associated bases shall be used immediately pending revision of the ISB and Interim Operational Safety Requirements (IOSR).	2	AC 5.16	See (Lee, 1994) for Dome Load JCO controls. TSR AC 5.16 provides Dome Loading controls based on the analysis in BIO Section 5.3.2.13. That BIO section identifies defense-in-depth controls to maintain loads within the tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
Wagoner, 1994	2		All double shell and aging waste tanks.	RL has reviewed and concurs with the conclusions of the (Dome Loading) JCO. The JCO must stay in effect as part of the authorization basis pending DOE review and approval of the Accelerated Safety Analysis and subsequent IOSRs scheduled this fiscal year.	2	AC 5.16	See (Lee, 1994) for Dome Load JCO controls. TSR AC 5.16 provides Dome Loading controls based on the analysis in BIO Section 5.3.2.13. That BIO section identifies defense-in-depth controls to maintain loads within the tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
Wagoner, 1996a	None	NA	NA	Approval of ECN 605012 (modification of Criticality Administrative Control).	5	NA	No controls were found in this document.				X	The ECN referred to applied to a criticality control that will be replaced by TSR AC 5.7.
Wagoner, 1996b (w/SER)	NA	NA	RMCS in Flam Gas SSTs	Authorization of the Safety Assessment of Rotary Mode Core Sampling in Flammable Gas Single Shell Tanks (WHC-SD-WM-SAD-035 Revision 0a) and Interim Operational Safety Requirements	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Wagoner, 1996c (w/SER)	NA	NA	Salt Well Pumping in 241-A-101	Contract Number DE-AC06-96RL13200; Approval of "A Safety Assessment (SA) for Salt Well Jet Pumping Operations in Tank 241-A-101, Hanford Site, Richland Washington," WHC SD-WM-SAD-036, Revision 0.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
Wagoner, 1996d	None	NA	Ferrocyanide Tanks	Contract Number DE-AC06-96RL13200; Approval to Revise the Interim Safety Basis to Remove Ferrocyanide Tanks from the Watch List.	5	NA	No controls were found in this document.				X	This letter provides approval for WHC-SD-WM-SARR-038 Rev. 1 as an AB document. That document will be superseded as an AB document by the BIO/TSR; therefore this letter will no longer be part of the AB.
Wagoner, 1996e	NA	NA	241-C-106	Contract Number DE-AC006-96RL13200; Tank Waste Remediation Project W-320 Tank 241-C-106 Sluicing Approval for Changes to the Interim Operation Safety Requirements (IOSR).	5	NA	No controls were found in this document.				X	This letter provides approval for WHC-SD-WM-OSR-016 Rev. 0E as an AB document. That document will be superseded as an AB document by the BIO/TSR; therefore this letter will no longer be part of the AB.

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Wagoner, 1997a	NA	NA	All tanks that undergo push mode core sampling	Contract Number DE-AC06-96RL13200 - Clarification of Direction Related to the Generic Implications of the Use of Justification for Continued Operation (JCO) in the Unreviewed Safety Question (USQ) Process and Its Impact on Push Mode Core Samling (PMCS)	6	NA	This document will not be superseded at this time, by DOE direction. Therefore, its controls do not require disposition.	X				The document will be retained in its entirety as an AB document following implementation of the BIO/TSR.
Wagoner, 1997b	None	NA	TWRS	Contract Number DE-AC06-96RL13200 - Approval of Request to Amend Authorization Basis for Tank Farm Operations.	5	NA	No controls were found in this document.				X	This letter provided approval for a change to East & West Tank Farms Standing Order 97-01, which will be superseded as an AB document by implementation of the Flammable Gas JCO and the BIO/TSR. The change was incorporated in the standing order.
WHC-SD-WM-OSR-004	AC 5.1(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.1(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.
WHC-SD-WM-OSR-004	AC 5.10.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain an auditable file of OSR records.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Programmatic details of this item are in BIO Section 4.12, and it will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.10.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for record retention.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.11	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-004	AC 5.12	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.12.a	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.
WHC-SD-WM-OSR-004	AC 5.12.b(1)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be < = 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.

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WHC-SD-WM-OSR-004	AC 5.12.b(2)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory > 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-004	AC 5.12.c	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be <= 125 kg Pu, and <= 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-004	AC 5.13	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.14	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.15	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-004	AC 5.15(1)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.

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WHC-SD-WM-OSR-004	AC 5.15(2.a)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-004	AC 5.15(2.b)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-004	AC 5.16	To support ACs 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21 and 5.29	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A WASTE sampling program shall be established to provide WASTE characterization. The program shall be sufficient to meet the requirements of the following ACs: 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21, and 5.29.	3	AC 5.7, AC 5.8, AC 5.12, and AC 5.15	WASTE sampling is not specified as a key element for the TSR ACs that correspond to the noted OSR ACs.			HNF-IP-1266		Waste sampling will be included, as needed, in the details of any program requiring sampling, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-004	AC 5.17.1	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to chemically inhibit the WASTE to control general corrosion, pitting corrosion and stress corrosion cracking to ensure the tank design life expectancy of 50 years is achieved.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.
WHC-SD-WM-OSR-004	AC 5.17.1.a	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The corrosion control program shall include ion concentrations of OH, NO2 and NO3, material balance and VERIFICATION against material balance limits, and VERIFICATION of material balance by sampling.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.
WHC-SD-WM-OSR-004	AC 5.17.2	Tank failure because of excessive corrosion	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change the concentration of the contents of an SST, the restrictions stated in BASES Section B 5.17, Table B-5.17-1 of WHC-SD-WM-OSR-004 apply to SST contents.	3	AC 5.12.2	AC 5.12.2 prohibits waste transfers into SSTs.				X	BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines.

Table A-1. Disposition of Current Authorization Basis Controls

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WHC-SD-WM-OSR-004	AC 5.18.1.1	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of added or transferred WASTE with material contained in the receiving tank.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.1.2	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.1.2.a	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-004	AC 5.18.1.2.b	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.1.2.c	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.1.2.d	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.2.1	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of transferred waste with material contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-004	AC 5.18.2.2	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.2.2.a	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-004	AC 5.18.2.2.b	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.2.2.c	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.2.2.d	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.18.2.3	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	All material balances must be performed at least every 8 hours during a transfer from an SST.	4	None	There is no corresponding TSR control. Note: TSR AC 5.12.2 requires "material balance" calculations every 2 hours during transfers, but the term as used in the TSR has a different meaning from the term used in the OSR control.				X	The BIO/TSR does not identify a need for this control. The control has not been implemented, and so is not part of current operating practices. There is no environmental compliance issue identified with the control. It is not needed.
WHC-SD-WM-OSR-004	AC 5.19.1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to limit the tank WASTE radioactive decay heat generation rate.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO by temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.

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WHC-SD-WM-OSR-004	AC 5.19.1.a1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include material balances and sampling with VERIFICATION against radiolytic heat limits of 700,000 BTU/hr per AWF tank (1,000,000 BTU/hr for all AWF tanks), 50,000 BTU/hr per SY Farm tank, and 70,000 BTU/hr per AN/AP/AW Farm tank.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO with temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-004	AC 5.19.1.a2	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The effects of mechanical or steam heat generating equipment shall be evaluated prior to operation of these devices.	3	BIO Section 4.17	The USQ process addresses this requirement.				X	The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit to prevent a chemical runaway reaction; LCO 3.3.2 prevents tank bump.
WHC-SD-WM-OSR-004	AC 5.19.1.b	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (heat load) program shall include procedures for evaluating heat loads and approving transfers.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-004	AC 5.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.20.1	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Requirements are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-004.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that hydrostatic load limits are not required for safety. Specific gravity controls will be retained as a good practice to maximize the life of the tanks.
WHC-SD-WM-OSR-004	AC 5.20.2	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change hydrostatic tank loading in SSTs, a program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Reqmts are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-004.	4	None	There is no corresponding TSR control.				X	Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that limits on hydrostatic loads are not required.

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WHC-SD-WM-OSR-004	AC 5.21.1	No basis stated in IOSR document.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control the distributed spare tank capacity. The program shall include up-to-date identification of spare tank space location, and a periodic evaluation of compatibility issues associated with spare tank capacity.	4	None	There is no corresponding TSR control.			OSD 7, OSD 17		The IOSR document does not state the basis for the current control, but the driver is DOE 5820.2A. SD-HS-SAR-010 LCO 11.11 and 11.14 include a requirement for spare AWF tank capacity; see the dispositions for those controls.
WHC-SD-WM-OSR-004	AC 5.22	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control access to the tank dome area, buried piping and transfer pit area. Requirements are found in Table B-5.22-1, of B-5.22, from WHC-SD-WM-OSR-004.	3	AC 5.16	TSR table 5.16-1 allows higher loads for DSTs and AWF tanks, and does not include requirements for record keeping and deflection monitoring found in OSR table. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-004	AC 5.22.a	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include maintenance of a record for evaluating dome loads with periodic field VERIFICATION.	3	AC 5.16	TSR control does not include record maintenance as a key element. BIO Sec. 5.3.2.13 specifies defense-in-depth controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-004	AC 5.22.b	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include posting of additions or deletions to the record ensuring loads are maintained below the limits specified in Table B-5.22-1 of WHC-SD-WM-OSR-004.	3	AC 5.16.2	TSR control does not specify record-keeping requirements. Load limits in TSR Table 5.16-1 are in many cases less conservative than those in OSR table B 5.22-1. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-004	AC 5.22.c	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For SSTF, a program shall be established to provide approved and controlled procedures monitoring dome deflection, particularly regarding internal tank loads. The program shall include specifications identifying dome deflection criteria.	3	AC 5.16.1	The TSR control requires limits on external loads, but not internal loads, and does not specify a requirement for dome deflection criteria. However, BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.23.1	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for actions to be taken if a tank or transfer line leak has been confirmed.	1	LCO 3.1.3, LCO 3.2.6, AC 5.12.2, AC 5.14.2		X				The current control is fully incorporated in the BIO/TSR.
WHC-SD-WM-OSR-004	AC 5.23.2	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure tank leaks are detected promptly and provide approved and controlled procedures for actions to be taken if a tank or transfer line leak is suspected or assumed.	3	LCO 3.1.3, AC 5.12.2, AC 5.14.2	TSR controls address transfer system leaks and response plans for leaks, but not detection of tank leaks.			OSD 31 (Detection must be within 24 hours)		Dose consequences associated with a tank leak do not warrant a TSR control per BIO Section 5.3.2.7; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.23.2.a	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of Surveillances (at frequencies to be determined) to ensure leaks are not occurring and the establishment of corrective actions in cases when leaks are detected.	3	AC 5.12.2 and AC 5.14.2	TSR addresses transfer line leaks, but not tank leaks.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.23.2.b	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of OPERABILITY assessments on leak detection systems (i.e., FUNCTIONAL TESTING) to ensure that they are capable of performing their specified safety functions over time. Frequencies TBD.	3	SR 3.1.3.1, AC 5.19	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.23.2.c	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Procedures for responding to the detection of a leak and for taking corrective actions if the leak detection system is inoperable.	3	LCO 3.1.3	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.23.2.d	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include: Procedures for maintaining WASTE liquid levels below assumed/suspected leak locations and for establishing appropriate limits on personnel access and exposure if WASTE liquid levels are above assumed/suspected leak locations.	4	None	There is no corresponding TSR control.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.24	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.24(a)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.
WHC-SD-WM-OSR-004	AC 5.25	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide requirements for maintaining the cathodic protection system for transfer piping.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.25(a)	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The cathodic protection program shall include a) specifications identifying criteria for using/installing cathodic protection; and b) procedures for periodic VERIFICATION that cathodic protection is operating.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.26	Establish or validate that the barriers are capable of performing their specified safety functions over time and contain adequate tank and dome structural margin	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires periodic performance of integrity assessments on passive physical barriers (tanks and piping).	4	None	Passive physical barriers are identified as Design Features by the TSR. TSR Appendix B states that Design Features require no or infrequent surveillance.			OSD 7, 13 &17 (for DST and AWF tanks and all transfer systems)		The control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.27	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Compliance Implementation Plan shall be established that identifies each OSR requirement (SL, LCS, LCO, SR and AC) and documents how compliance with that requirement is demonstrated.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.

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WHC-SD-WM-OSR-004	AC 5.27(a)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The Compliance Implementation Plan shall include the programs, hardware & procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-004	AC 5.27(b)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Estimates of add'l time & personnel resources necessary to demonstrate compliance with the new IOSRs will be specified in the CIP. Plans for developing a basis for interim operation of the affected facility will also be provided.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-004	AC 5.28.1	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be implemented to limit concrete tank and dome temperatures to ensure that temperature change rates, thermal gradients, and maximum concrete temperatures do not result in catastrophic failure of any tank.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.
WHC-SD-WM-OSR-004	AC 5.28.1(a)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall use approved and controlled operating specifications and procedures.	4	None	There is no corresponding TSR control.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. BIO Section 4.11 requires approved procedures.
WHC-SD-WM-OSR-004	AC 5.28.1(b)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall include recording & trending of temperatures from existing installed & OPERABLE instrumentation; & periodic evaluation of thermocouple readings from existing installed & OPERABLE instrumentation.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.

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WHC-SD-WM-OSR-004	AC 5.29	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	ACs shall be established to manage flammable gas hazards related to the WASTE storage tanks that generate flammable gases, and that release the gases either episodically or chronically.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.29.a	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	FG generation rates, ventilation effectiveness, and tank physical parameters shall be compared with established criteria to assign the proper NFPA classifications and to identify tanks for inclusion on the Flammable Gas Watch List.	3	AC 5.9.2, AC 5.10.2, AC 5.11	The TSR classifies tanks into Facility Groups for application of flammability, ignition, and monitoring controls, but not for Watch List purposes. Tank 101-SY is not assigned to any Facility Group in the TSR.			OSD 30		The Watch List requirement is necessary for compliance with public law, but is not within the scope of the TWRS nuclear safety AB. Flammable gas controls for 101-SY are in LA-UR-92-3196. This control will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-004	AC 5.29.b	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Administrative Control elements for the tanks on the Flammable Gas Watch List are to include controls for work performed on or in the tanks to manage the risk of flammable gas ignition events within acceptance criteria.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.
WHC-SD-WM-OSR-004	AC 5.29.c	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For tanks not on the Flammable Gas Watch List, the ACs shall include providing adequate ventilation to prevent vapor spaces reaching flammable concentrations, establishing the non-flammability of vapor spaces, and work controls to prevent gas ignition.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.
WHC-SD-WM-OSR-004	AC 5.29.d	Reduce likelihood of flammable gas-related accidents.	Tank 241-SY-101.	Administrative controls shall be in place for the operation of hydrogen mitigation equipment in tank 241-SY-101. These controls shall include the Level I requirements of Chapter 6 of the mixer pump safety assessment (LA-UR-92-3196).	1	AC 5.9.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.3(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-004	AC 5.3(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.3(3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.30.1	N/A	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No transfer restrictions, other than AC 5.15, WATCH LIST TANKS, apply.	2	AC 5.12	TSR control includes all transfer restrictions, applicable to DSTs and AWF tanks, necessary to prevent or mitigate BIO-identified accidents or to protect BIO analysis assumptions. TSR does not specifically address watch list tanks.				X	The intent of the current control is fully met by the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.30.2(1)	N/A	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure that WASTE transfers into SSTs do not occur.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.30.2(2)	Helps to ensure that transfers to SSTs do not occur	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WASTE transfer program shall include a system which will control the removal of blanks from lines to active transfer facilities.	1	AC 5.12.2	The TSR transfer system configuration management controls require sealing of nozzles to prevent misroutes of waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-004	AC 5.4.2.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.2.b	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.2.c	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.2.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.2.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.2.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.3.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.4.3.b	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-004	AC 5.4.3.c	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.3.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.4.3.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
WHC-SD-WM-OSR-004	AC 5.4.3.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-004	AC 5.4.3.g	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.5.1	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to report the following per DOE Order 5000.3B: 1. Any deviation from the OSRs authorized pursuant to LCO 3.0.5 2. OSR violations (SL, LCS, LCO, SR and AC) 3. Unplanned entry into the actions statements.	1	LCO 3.0.7, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-004	AC 5.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
WHC-SD-WM-OSR-004	AC 5.8.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The operations manager of AWF, DST and SST shall be responsible for ensuring the requirements in subsections 5.8.2, Operators, through 5.8.7, MODE Changes, are implemented.	1	AC 5.3.1 and AC 5.6.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.8.2 (1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.8.2 (2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.

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WHC-SD-WM-OSR-004	AC 5.8.2 (3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-OSR-004	AC 5.8.2 (4)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	AC 5.8.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5), but will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.8.4(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-004	AC 5.8.4(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-004	AC 5.8.5	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control changes made to facility equipment, DESIGN FEATURES, engineering configuration, and operating documentation.	3	BIO Sections 4.15 and 4.17	There is no corresponding TSR control, however change control is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	AC 5.8.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
WHC-SD-WM-OSR-004	AC 5.8.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
WHC-SD-WM-OSR-004	AC 5.9.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall maintain organizations responsible for detailed safety analyses, providing independent safety overview, conducting audits and appraisals of Tank Farm operations and periodically validating the ACs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-004	AC 5.9.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall provide independent overview of OSR activities by a quality assurance organization, which reviews and approves selected documents, and verifies that selected activities are in compliance with the Tank Farm OSRs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-004	AC 5.9.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE and Corrective Action Plans developed in response to OSR VIOLATIONs, and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSR. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
WHC-SD-WM-OSR-004	LCO 3.0.1	Establishes the Applicability statement within each individual LCO as the requirements for when the LCO is required to be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Compliance with the LCO is required for the MODES specified; except that upon failure to meet the LCO, the associated ACTION requirements shall be met.	1	LCO 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.0.2	Establishes that upon discovery of a failure to meet an LCO, the associated ACTIONS shall be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Upon discovery of a failure to meet an LCO, the Required Actions of the associated Condition shall be met. If the LCO is met or no longer applicable prior to expiration of the specified Completion Time(s), completion of the Required Actions is not requir	1	LCO 3.0.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-004	LCO 3.0.3	Establishes the actions to be implemented when an LCO is not met and: an associated Required Action and Completion Time is not met and no other Condition applies; or the Condition of the tank is not specifically addressed by the associated ACTIONS.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	When an LCO is not met, and the associated ACTIONS are initiated but cannot be completed in the specified time, or an associated ACTION is not provided, a VIOLATION shall be declared and the tank shall be placed in a MODE or other specified condition in w	1	LCO 3.0.3	TSR refers to AC 5.4.3, which leads to AC 5.5. Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.0.4	Establishes limitations on changes in MODES or other specified conditions in the Applicability when an LCO is not met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Mode changes shall not be made except when associated actions permit operation in the new mode for an unlimited period of time.	1	LCO 3.0.4	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.0.5(a)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If an emergency occurs not covered by an LCO, operations is to use training and expertise in addressing the situation.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.0.5(b)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If emergency actions are taken, verbal notifications shall be made to the Head of the field Element (RL) within 2 hours and by written report to the Program Manager within 24 hours, in accordance with AC 5.5, Reporting Requirements.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.0.6	When a separate OSR is prepared for the support system, LCO 3.0.6 establishes an exception to LCO 3.0.2, LCO Not Met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	The design or operational characteristics of a support system may warrant inclusion in an OSR.	1	LCO 3.0.6	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-004	LCO 3.1.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	A WASTE level monitoring system and a High Level Alarm with an LCS actuation point of < = 364 inches shall be OPERABLE.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17 (Add reqmt for OPERABLE waste level monitoring and alarm system).		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.1.1	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	A WASTE level monitoring system and a High Level Alarm with an LCS actuation point of < = 364 inches shall be OPERABLE.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17 (Add reqmt for OPERABLE waste level monitoring and alarm system).		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.1.2	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 364 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.1.2	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 364 inches.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.2.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	A WASTE temperature monitoring system for each primary tank shall be OPERABLE, with the following LCS actuation points: a. AWF tank solution temperature < = 300 F. b. AWF tank SLUDGE temperature < = 300 F.	4	None	There is no corresponding TSR control. Note that TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 17 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	LCO 3.2.2	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The primary tank WASTE temperature for each tank shall be maintained < = 300 F.	4	None	There is no corresponding TSR control. Note that TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
WHC-SD-WM-OSR-004	LCO 3.2.2	Protect ventilation system from excessive moisture (that could lead to HEPA filter failure).	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The primary tank WASTE temperature for each tank shall be maintained < = 300 F.	2	LCO 3.1.4	The OSR control protects against rupture of the exhaust stack HEPA filters. The TSR control stops an unfiltered release after loss of the HEPA filters. Note TSR LCO 3.2.2 provides temperature controls for prevention of tank bump.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		LCO 3.1.4 safely mitigates consequences of a HEPA filter failure, based on analyses in BIO Sec. 5.3.2.2 & 5.3.2.20; however the control will be retained in the OSD to ensure Environmental compliance. Note limit is based on tank structure requirements.
WHC-SD-WM-OSR-004	LCO 3.3.1	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Vapor space pressure monitoring and alarm system shall be operable with LCSs set at: 1. Low alarm > or = -4" water gauge 2. High alarm < 0" water gauge.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			OSD 17 (Add reqmt for operable vapor space pressure monitoring and alarm system).		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.3.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Vapor space pressure monitoring and alarm system shall be operable with LCSs set at: 1. Low alarm > or = -4" water gauge 2. High alarm < 0" water gauge.	4	None	There is no corresponding TSR control.			OSD 17 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.3.2	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	The pressure in each primary tank vapor space, relative to atmospheric pressure, shall be maintained > or = -4 and < 0 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	LCO 3.4.1	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	One primary and one Backup tank exhaust ventilation systems shall be OPERABLE with one system operating.	3	LCO 3.2.1	The TSR control requires an OPERABLE ventilation system, but does not require a backup. The TSR control prevents flammable gas deflagration, identified in BIO Section 5.3.2.2 as one of the potential causes of tank overpressurization.				X	The TSR control, with other controls identified in BIO Section 5.3.2.2, adequately prevent the release of airborne contamination due to tank pressurization.
WHC-SD-WM-OSR-004	LCO 3.4.2	Detect accident releases and initiate protective actions to mitigate the accidents.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	The primary tank exhaust stack radiation monitoring and alarm system for the operating primary tank exhaust ventilation system shall be OPERABLE.	1	LCO 3.1.4		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.4.3	Ensure the source term inventory in a hypothetical filter rupture accident is maintained.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The radiation levels of the High Efficiency Particulate Air (HEPA) filters for both the primary and backup primary tank exhaust ventilation systems shall be maintained at a radiation level < = 200 mrem/h.	1	AC 5.18.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.4.4	Prevent a tank BUMP.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The ALCs in each AWF tank shall be OPERABLE, AND the ALCs in each AWF tank shall be operating when: 1. Solution Temperature is > 200 F 2. Sludge Temperature is > 230 F.	2	LCS/LCO 3.3.2	The TSR control protects against a tank bump, without specifying a method of controlling the temperature.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.
WHC-SD-WM-OSR-004	LCO 3.4.4	Prevent LCO 3.2.2, Primary Tank WASTE Temperature, from being exceeded.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The ALCs in each AWF tank shall be OPERABLE, AND the ALCs in each AWF tank shall be operating when: 1. Solution Temperature is > 200 F 2. Sludge Temperature is > 230 F.	4	None	There is no corresponding TSR control.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.
WHC-SD-WM-OSR-004	LCO 3.5.1	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The annulus CAM system and the annulus conductivity probe system (primary tank leak detection systems) shall be OPERABLE.	3	LCO 3.2.6	LCO 3.2.6 requires either system to be OPERABLE to prevent flammable gas deflagration and surface leak resulting in pool accidents. The OSR basis statement does not identify the accidents related to this control, but it appears there are more than two.				X	The BIO/TSR control provides adequate protection against the accidents for which it is identified.

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WHC-SD-WM-OSR-004	LCO 3.5.2	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the secondary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Secondary leak detection radiation monitoring and alarm system and the liquid level monitoring and alarm system shall both be operable when a leak to the annulus has occurred but only one need be operable when a leak has not occurred.	4	None	There is no corresponding TSR control.			OSD 31		Detection of leakage from the secondary tank is not reqd for mitigation of any accident analyzed in the BIO, & is not required as a TSR-level control per DOE Orders 5480.22 & 23. The control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.6.1	Detect primary confinement (pipeline) failures.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Conductivity probe leak detection systems installed in process pipeline encasements and Clean Out Boxes (COBs), diversion boxes, valve pits, pump pits and sluice pits shall be OPERABLE.	3	LCO 3.1.3	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			OSD 17 (Add reqmt that encasement leak detectors be operable during a waste transfer).		Leak detectors in pits and boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18. Encasement leak detector reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.6.1	Detect the liquid portion of aerosol leaks which may occur from pumps and jumpers.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Conductivity probe leak detection systems installed in process pipeline encasements and Clean Out Boxes (COBs), diversion boxes, valve pits, pump pits and sluice pits shall be OPERABLE.	4		There is no corresponding TSR control. Note that TSR LCO 3.1.3 requires operable leak detectors in pits and boxes, not encasements; but for a different basis.			OSD 17 (Add reqmt that encasement leak detectors be operable during a waste transfer).		The spray leak accident is adequately mitigated by numerous TSR controls. The pit leak detectors are identified as TSR controls for other accidents. The encasement leak detectors will be retained as (non-AB) defense-in-depth and environmental controls.
WHC-SD-WM-OSR-004	LCO 3.6.3	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, sluice pits and diversion boxes shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.6.3	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, sluice pits and diversion boxes shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.

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WHC-SD-WM-OSR-004	LCO 3.6.4	Ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those encasement leak detection pits associated with the transfer.	At least one transfer line encasement pit leak detection system shall be operable for AY101-B and AZ-101/102.	1	LCO 3.1.3		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	LCO 3.7.1	Supply power to vital AWF equipment so that the AWF primary tank pressure and temperature limits detailed in the BASES for LCO 3.3.2 and LCO 3.2.2 are preserved.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Backup diesel generator(s) capable of supplying the electrical loads on Motor Control Centers MCC-A3, MCC-A5 and MCC-A6 shall be operable and contain at least 300 gallons of fuel oil.	4	None	There is no corresponding TSR control.			OSD 17 (Ensure capability of taking daily pressure, temperature and level measurements per WAC 173-303-640)		The need for backup power was evaluated during BIO control selection. The BIO found no hazard from loss of power to the temperature and pressure systems, or to any other systems. Control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	LCO 3.7.2	Provide cooling water to the primary ventilation system condensers. Loss of this function may cause the HEPA filters to overheat and eventually release radioactivity to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Raw water and emergency cooling water systems shall be OPERABLE.	2	LCO 3.1.4, AC 5.18	The OSR control prevents the release of airborne contamination by protecting the HEPA filters from overheating. The BIO/TSR controls limit the duration and amount of contamination release following HEPA filter failure caused by high temperature.			OSD 17		The TSR controls adequately protect against contamination release, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SL 2.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 370 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SL 2.1	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE level in each primary tank shall be maintained < = 370 inches.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SL 2.2	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The WASTE temperature in each primary tank shall be maintained within the limits: Solution temperature < = 350 F, SLUDGE temperature < = 350 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.

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WHC-SD-WM-OSR-004	SL 2.3	Prevents structural failure of the tank due to excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The pressure in each primary tank vapor space relative to tank annulus shall be maintained > -6 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SL 2.4	Prevents structural failure of the tank due to overpressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	The vapor space pressure for each primary tank, relative to atmosphere, shall be maintained < = 60 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 17 (Just add note that pressure limit protects tank structure)		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.0.1	Establishes the requirement that SRs must be met during the MODES or other specified conditions in the Applicability for which the requirements of the LCO apply, unless otherwise specified in the individual SRs.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	SRs shall be met during the Modes or other specified conditions in the applicability for individual LCOs unless otherwise stated in the SR.	1	SR 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.0.2	Establishes the requirements for meeting the specified Frequency for Surveillances and any Required Action with a Completion Time that requires the periodic performance of the Required Action on a "once per..." interval.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Each surveillance requirement shall be performed within the specified interval.	1	SR 3.0.2	OSR SR 3.0.2 includes statement that the 25% extension should not be routinely used. In TSR, this statement is in Section 1.4 and in the Basis for SR 3.0.2.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.0.3	Establishes the flexibility to defer declaring affected equipment inoperable or an affected variable outside the specified limits when a Surveillance has not been completed within the specified Frequency.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If it is discovered that a Surveillance was not performed within its specified Frequency, compliance with the requirement to declare the LCO not met and enter the Required Actions may be delayed up to the lesser of 24 hr or the surveillance frequency.	3	SR 3.0.3	OSR states that failure to complete the Surveillance within the specified time interval (including the 1.25 extension) is a VIOLATION. TSR requires entry into LCO ACTIONs.				X	BIO/TSR has redefined VIOLATION to ensure that the LCOs cover necessary actions to handle adverse conditions.

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WHC-SD-WM-OSR-004	SR 3.0.4	Establishes the requirement that all applicable SRs must be met before entry into a MODE or other specified condition in the Applicability.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Entry into a mode or other specified condition in the applicability of an LCO shall not be made unless the LCOs surveillances have been met within the specified frequency.	1	SR 3.0.4	The TSR control includes a Note stating: "SR 3.0.4 is not applicable at this time." The control itself is a verbatim match to the OSR control.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.1.1.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	Perform functional test on each primary tank waste level monitoring system. 184 days	3	AC 5.12.2, AC 5.19, AC 5.21.2	The TSR prevents waste overflows by monitoring tank waste levels to detect unexpected increases, but does not specify maximum levels. AC 5.19 requires functional testing/calibration of process instrumentation, but does not list frequencies.			Instrument Calibration Documents		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18. Details of the functional testing requirements for the level monitoring system are addressed in the Instrument Calibration Documents.
WHC-SD-WM-OSR-004	SR 3.1.1.1	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	Perform functional test on each primary tank waste level monitoring system. 184 days.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function. Note that the level monitoring systems perform other safety functions (not protection of the tank structure), and will therefore be calibrated per AC 5.19.			Instrument Calibration Documents		The TSR control adequately protects the tank structure, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.1.2.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Verify waste level is < or = 364". 36 hours.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 17		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.1.2.1	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Verify waste level is < or = 364". 36 hours.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 17		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

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WHC-SD-WM-OSR-004	SR 3.2.1.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on primary tank WASTE temperature monitoring system for each tank. 92 days.	4	None	There is no corresponding TSR control. Note: TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure. TSR AC 5.19 therefore requires testing or calibration of the system.			Instrument Calibration Documents		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.2.2.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY primary tank WASTE temperature for each tank is within limits. 7 days.	4	None	There is no corresponding TSR control. Note that TSR SR 3.3.2.1 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 17 (Just add note that TSR temperature limit protects tank structure).		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.3.1.1	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			Instrument Calibration Documents		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.3.1.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.3.2.1	Limit the unfiltered release of radioactive airborne contaminants from the tanks to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify primary tank vapor space pressure is within limits. 36 hr.	2	LCO 3.2.1, AC 5.9.2, AC 5.10.2, AC 5.12.2, AC 5.18.2	The TSR controls have bases similar to the basis of the current control. TSR AC 5.18.2 limits the amount of contamination available for release from a failed HEPA filter; the others prevent accidents that could cause overpressurization of the tanks.			OSD 17		The TSR controls safely mitigate release of airborne contamination due to tank pressurization, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	SR 3.3.2.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify primary tank vapor space pressure is within limits. 36 hr.	4	None	There is no corresponding TSR control.			OSD 17		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.4.1.1	Ensure there is no significant system degradation that could lead to tank damage or an unfiltered release to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY one exhaust ventilation system is operating. 12 hours.	3	SR 3.2.1.1	TSR control requires verification that active primary tank ventilation system is operable, every 24 hours, as a flammable gas control. The BIO Section 5.3.2.2 identifies flammable gas deflagration as a cause of tank pressurization.				X	The OSR control is based on using the ventilation system to maintain tank pressure within limits. The TSR control prevents an FG deflagration that can cause HEPA filter failure by overpressurization. The TSR frequency is appropriate for the purpose.
WHC-SD-WM-OSR-004	SR 3.4.1.2	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY primary and backup exhaust ventilation systems are OPERABLE. 7 days.	3	SR 3.2.1.1	TSR control requires verification that an active primary tank ventilation system (not primary and backup) is operable, every 24 hours, to prevent a flammable gas deflagration, which BIO Section 5.3.2.2 identifies as a cause of tank pressurization.				X	The TSR control adequately assures operability of the ventilation system.
WHC-SD-WM-OSR-004	SR 3.4.1.3	Ensures that the capability to actuate the backup exhaust ventilation system isolation valve is available.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY accumulator system is OPERABLE. 31 days.	4	None	There is no corresponding TSR control.				X	TSR LCO 3.2.1 requires an OPERABLE ventilation system, but does not require a backup. There is no basis for this OSR control in the BIO.
WHC-SD-WM-OSR-004	SR 3.4.1.4	Both the leak testing and the ventilation system balancing are required in order for the primary exhaust ventilation system to be OPERABLE.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform an in-place filter leak test and ventilation balance on each primary tank exhaust ventilation system. 365 days.	3	SR 3.2.1.1	TSR does not specify filter leak testing and ventilation system balance. However, the TSR definition of OPERABLE includes "operating parameters necessary for OPERABILITY are within limits."			OSD 17		The TSR control adequately assures operability of the ventilation system. The current control will be retained in the OSD to ensure environmental compliance. System evaluation recommendations are also included in WHC-SD-WM-RD-057.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	SR 3.4.1.5	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST of differential pressure instrumentation on each primary tank exhaust ventilation system. 365 days.	1	AC 5.19, LCO 3.1.4	TSR AC 5.19 does not specifically list any SSCs. Ventilation system differential pressure instrumentation is necessary for shutdown of the ventilation system on CAM actuation, as required by TSR LCO 3.1.4, so by inference is included in AC 5.19.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.4.2.1	Detect accident releases and initiate protective actions to mitigate the accidents.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	VERIFY continuous air monitor on operating primary tank exhaust ventilation system is OPERABLE. 36 hours.	3	SR 3.1.4.1	TSR requires functional test and verification that the CAM interlock system is operable, every 92 days.				X	92 day frequency is based on manufacturers' recommendations and normal industrial practice for instrumentation.
WHC-SD-WM-OSR-004	SR 3.4.2.2	Detect accident releases and initiate protective actions to mitigate the accidents.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Perform FUNCTIONAL TEST on each primary tank exhaust stack radiation monitoring and alarm system. 365 days.	1	SR 3.1.4.1	TSR requires functional test of the CAM interlock system every 92 days.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.4.3.1	Ensure the source term inventory in a hypothetical filter rupture accident is maintained.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Verify HEPA filter housing radiation level in each primary tank exhaust ventilation system to be < 200 mrem/hr. 7 days.	3	AC 5.18.2	TSR control requires this verification to be performed periodically as part of a program; does not specify frequency.			HNF-IP-1266		The frequency of the verification will be addressed in the implementing program.
WHC-SD-WM-OSR-004	SR 3.4.4.1	Prevent a tank BUMP.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY ALCs are operating, when required. 12 hours.	4	None	There is no corresponding TSR control.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.
WHC-SD-WM-OSR-004	SR 3.4.4.1	Prevent LCO 3.2.2, Primary Tank WASTE Temperature, from being exceeded.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY ALCs are operating, when required. 12 hours.	4	None	There is no corresponding TSR control.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	SR 3.4.4.2	Prevent a tank BUMP.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on ALCs. 365 days.	4	None	There is no corresponding TSR control.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.
WHC-SD-WM-OSR-004	SR 3.4.4.2	Prevent LCO 3.2.2, Primary Tank WASTE Temperature, from being exceeded.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on ALCs. 365 days.	4	None	There is no corresponding TSR control.		X			This control is needed for Tank 101-AZ until the completion of Project W-151. At that time, it can be deleted from the AB, since LCS/LCO adequately protects against a tank bump.
WHC-SD-WM-OSR-004	SR 3.5.1.1	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY annulus ventilation system air exhaust flow rate for each tank's CAM OPERABILITY. 92 days.	3	SR 3.2.6.1	TSR control requires FUNCTIONAL TEST of either the annulus CAM or the conductivity probe system, every 182 days. Note that the TSR definition of OPERABLE includes parameters necessary for operation are within limits, and support systems are operable.			Functional Test Procedure		Verification of the annulus exhaust flow rate is part of determining OPERABILITY of the annulus CAM, and is appropriately addressed as part of the Functional Test Procedure. Frequency is based on operating experience & the maintenance recall system.
WHC-SD-WM-OSR-004	SR 3.5.1.2	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on primary tank leak detection systems for each tank. 184 days.	3	SR 3.2.6.1	TSR control requires FUNCTIONAL TEST of either the annulus CAM or the conductivity probe system, every 182 days.				X	The TSR control is consistent with TSR LCO 3.2.6, which requires only one, not both, systems to be OPERABLE. This provides adequate protection against the accidents for which the TSR control is identified, and provides environmental compliance.
WHC-SD-WM-OSR-004	SR 3.5.2.1	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the secondary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on leak detection systems for each leak detection pit. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Detection of leakage from secondary tank isn't reqd for mitigation of any accident analyzed in the BIO, & is not required as a TSR-level control per DOE Orders 5480.22 & 23. Control will be retained in Inst. Calibration Docs to ensure Env. compliance.
WHC-SD-WM-OSR-004	SR 3.6.1.1	Detect primary confinement (pipeline) failures.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Perform FUNCTIONAL TEST on transfer-associated conductivity probe leak detection systems. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	3	SR 3.1.3.1	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			Instrument Calibration Documents		Leak detectors in process pits, diversion boxes, vault pits & cleanout boxes fulfill safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18; however control will be retained in Inst. Cal. Docs to ensure Env. compliance.

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WHC-SD-WM-OSR-004	SR 3.6.1.1	Detect the liquid portion of aerosol leaks which may occur from pumps and jumpers.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Perform FUNCTIONAL TEST on transfer-associated conductivity probe leak detection systems. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	4	None	There is no corresponding TSR control. Note that TSR SR 3.1.3.1 requires functional testing of leak detectors in pits and boxes, not encasements; but for a different basis.			Instrument Calibration Documents		The spray leak accident is adequately mitigated by numerous TSR controls. The TSR specifies testing of pit leak detectors for other accidents. Testing of encasement leak detectors will be retained as (non-AB) defense-in-depth and environmental controls.
WHC-SD-WM-OSR-004	SR 3.6.3.1	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
WHC-SD-WM-OSR-004	SR 3.6.3.1	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AWF tanks during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-OSR-004	SR 3.6.4.1	Ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for AY101-B and AZ-101/102 during a WASTE transfer, for those encasement leak detection pits associated with the transfer.	Perform FUNCTIONAL TEST on transfer line encasement pit leak detection instrumentation. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	1	SR 3.1.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-004	SR 3.7.1.1	Supply power to vital AWF equipment so that the AWF primary tank pressure and temperature limits detailed in the BASES for LCO 3.3.2 and LCO 3.2.2 are preserved.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on AWF backup diesel generator(s) and associated distribution system. 31 days.	4	None	There is no corresponding TSR control.			OSD 17 (Ensure capability of taking daily pressure, temperature and level measurements per WAC 173-303-640)		The need for backup power was evaluated during BIO control selection. The BIO found no hazard from loss of power to the temperature and pressure systems, or to any other systems. Control will be retained in OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-004	SR 3.7.1.2	Supply power to vital AWF equipment so that the AWF primary tank pressure and temperature limits detailed in the BASES for LCO 3.3.2 and LCO 3.2.2 are preserved.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY each fuel oil tank contains at least 300 gallons of fuel oil. 31 days.	4	None	There is no corresponding TSR control.			OSD 17 (Ensure capability of taking daily pressure, temperature and level measurements per WAC 173-303-640)		The need for backup power was evaluated during BIO control selection. The BIO found no hazard from loss of power to the temperature and pressure systems, or to any other systems. Control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.7.2.1	Provide cooling water to the primary ventilation system condensers. Loss of this function may cause the HEPA filters to overheat and eventually release radioactivity to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY RW system is OPERABLE. 36 hours.	2	LCO 3.1.4, AC 5.18	The OSR control prevents the release of airborne contamination by protecting the HEPA filters from overheating. The BIO/TSR controls limit the duration and amount of contamination release following HEPA filter failure caused by high temperature.			OSD 17		The TSR controls adequately protect against contamination release, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.7.2.2	Provide cooling water to the primary ventilation system condensers. Loss of this function may cause the HEPA filters to overheat and eventually release radioactivity to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	Perform FUNCTIONAL TEST on RW system. 92 days.	2	LCO 3.1.4, AC 5.18	The OSR control prevents the release of airborne contamination by protecting the HEPA filters from overheating. The BIO/TSR controls limit the duration and amount of contamination release following HEPA filter failure caused by high temperature.			OSD 17		The TSR controls adequately protect against contamination release, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-004	SR 3.7.2.3	Provide cooling water to the primary ventilation system condensers. Loss of this function may cause the HEPA filters to overheat and eventually release radioactivity to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks.	VERIFY ECW system is OPERABLE. 184 days.	2	LCO 3.1.4, AC 5.18	The OSR control prevents the release of airborne contamination by protecting the HEPA filters from overheating. The BIO/TSR controls limit the duration and amount of contamination release following HEPA filter failure caused by high temperature.			OSD 17		The TSR controls adequately protect against contamination release, based on the analysis in BIO Section 5.3.2.2; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.1(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.1(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.

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WHC-SD-WM-OSR-005	AC 5.10.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain an auditable file of OSR records.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Programmatic details of this item are in BIO Section 4.12, and it will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.10.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for record retention.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.11	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.12	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.12.a	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.

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WHC-SD-WM-OSR-005	AC 5.12.b(1)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be <= 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-005	AC 5.12.b(2)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory >25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-005	AC 5.12.c	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be <= 125 kg Pu, and <= 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-005	AC 5.13	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.14	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.15	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-005	AC 5.15(1)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-005	AC 5.15(2.a)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-005	AC 5.15(2.b)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-005	AC 5.16	To support ACs 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21 and 5.29	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A WASTE sampling program shall be established to provide WASTE characterization. The program shall be sufficient to meet the requirements of the following ACs: 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21, and 5.29.	3	AC 5.7, AC 5.8, AC 5.12, and AC 5.15	WASTE sampling is not specified as a key element for the TSR ACs that correspond to the noted OSR ACs.			HNF-IP-1266		Waste sampling will be included, as needed, in the details of any program requiring sampling, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-005	AC 5.17.1	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to chemically inhibit the WASTE to control general corrosion, pitting corrosion and stress corrosion cracking to ensure the tank design life expectancy of 50 years is achieved.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.17.1.a	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The corrosion control program shall include ion concentrations of OH, NO2 and NO3, material balance and VERIFICATION against material balance limits, and VERIFICATION of material balance by sampling.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.
WHC-SD-WM-OSR-005	AC 5.17.2	Tank failure because of excessive corrosion	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change the concentration of the contents of an SST, the restrictions stated in BASES Section B 5.17, Table B-5.17-1 of WHC-SD-WM-OSR-004 apply to SST contents.	3	AC 5.12.2	AC 5.12.2 prohibits waste transfers into SSTs.				X	BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines.
WHC-SD-WM-OSR-005	AC 5.18.1.1	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of added or transferred WASTE with material contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.1.2	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.1.2.a	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-005	AC 5.18.1.2.b	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.1.2.c	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.18.1.2.d	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.2.1	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of transferred waste with material contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.2.2	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.2.2.a	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-005	AC 5.18.2.2.b	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.2.2.c	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.18.2.2.d	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.18.2.3	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	All material balances must be performed at least every 8 hours during a transfer from an SST.	4	None	There is no corresponding TSR control. Note: TSR AC 5.12.2 requires "material balance" calculations every 2 hours during transfers, but the term as used in the TSR has a different meaning from the term used in the OSR control.				X	The BIO/TSR does not identify a need for this control. The control has not been implemented, and so is not part of current operating practices. There is no environmental compliance issue identified with the control. It is not needed.
WHC-SD-WM-OSR-005	AC 5.19.1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to limit the tank WASTE radioactive decay heat generation rate.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO with temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-005	AC 5.19.1.a1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include material balances and sampling with VERIFICATION against radiolytic heat limits of 700,000 BTU/hr per AWF tank (1,000,000 BTU/hr for all AWF tanks), 50,000 BTU/hr per SY Farm tank, and 70,000 BTU/hr per AN/AP/AW Farm tank.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO with temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-005	AC 5.19.1.a2	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The effects of mechanical or steam heat generating equipment shall be evaluated prior to operation of these devices.	3	BIO Section 4.17	The USQ process addresses this requirement.				X	The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit to prevent a chemical runaway reaction; LCO 3.3.2 prevents tank bump.
WHC-SD-WM-OSR-005	AC 5.19.1.b	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (heat load) program shall include procedures for evaluating heat loads and approving transfers.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.20.1	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Requirements are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-005.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that hydrostatic load limits are not required for safety. Specific gravity controls will be retained as a good practice to maximize the life of the tanks.
WHC-SD-WM-OSR-005	AC 5.20.2	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change hydrostatic tank loading in SSTs, a program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Reqmts are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-005.	4	None	There is no corresponding TSR control.				X	Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that limits on hydrostatic loads are not required.
WHC-SD-WM-OSR-005	AC 5.21.1	No basis stated in IOSR document.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control the distributed spare tank capacity. The program shall include up-to-date identification of spare tank space location, and a periodic evaluation of compatibility issues associated with spare tank capacity.	4	None	There is no corresponding TSR control.			OSD 7, OSD 17		The IOSR document does not state the basis for the current control, but the driver is DOE 5820.2A. SD-HS-SAR-010 LCO 11.11 and 11.14 include a requirement for spare AWF tank capacity; see the dispositions for those controls.
WHC-SD-WM-OSR-005	AC 5.22	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control access to the tank dome area, buried piping and transfer pit area. Requirements are found in Table B-5.22-1, of B-5.22, from WHC-SD-WM-OSR-004.	3	AC 5.16	TSR table 5.16-1 allows higher loads for DSTs and AWF tanks, and does not include requirements for record keeping and deflection monitoring found in OSR table. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-005	AC 5.22.a	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include maintenance of a record for evaluating dome loads with periodic field VERIFICATION.	3	AC 5.16	TSR control does not include record maintenance as a key element. BIO Sec. 5.3.2.13 specifies defense-in-depth controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.22.b	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include posting of additions or deletions to the record ensuring loads are maintained below the limits specified in Table B-5.22-1 of WHC-SD-WM-OSR-004.	3	AC 5.16.2	TSR control does not specify record-keeping requirements. Load limits in TSR Table 5.16-1 are in many cases less conservative than those in OSR table B 5.22-1. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-005	AC 5.22.c	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For SSTF, a program shall be established to provide approved and controlled procedures monitoring dome deflection, particularly regarding internal tank loads. The program shall include specifications identifying dome deflection criteria.	3	AC 5.16.1	The TSR control requires limits on external loads, but not internal loads, and does not specify a requirement for dome deflection criteria. However, BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-005	AC 5.23.1	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for actions to be taken if a tank or transfer line leak has been confirmed.	1	LCO 3.1.3, LCO 3.2.6, AC 5.12.2, AC 5.14.2		X				The current control is fully incorporated in the BIO/TSR.
WHC-SD-WM-OSR-005	AC 5.23.2	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure tank leaks are detected promptly and provide approved and controlled procedures for actions to be taken if a tank or transfer line leak is suspected or assumed.	3	LCO 3.1.3, AC 5.12.2, AC 5.14.2	TSR controls address transfer system leaks and response plans for leaks, but not detection of tank leaks.			OSD 31 (Detection must be within 24 hours)		Dose consequences associated with a tank leak do not warrant a TSR control per BIO Section 5.3.2.7; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.23.2.a	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of Surveillances (at frequencies to be determined) to ensure leaks are not occurring and the establishment of corrective actions in cases when leaks are detected.	3	AC 5.12.2 and AC 5.14.2	TSR addresses transfer line leaks, but not tank leaks.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.23.2.b	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of OPERABILITY assessments on leak detection systems (i.e., FUNCTIONAL TESTING) to ensure that they are capable of performing their specified safety functions over time. Frequencies TBD.	3	SR 3.1.3.1, AC 5.19	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.23.2.c	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Procedures for responding to the detection of a leak and for taking corrective actions if the leak detection system is inoperable.	3	LCO 3.1.3	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.23.2.d	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include: Procedures for maintaining WASTE liquid levels below assumed/suspected leak locations and for establishing appropriate limits on personnel access and exposure if WASTE liquid levels are above assumed/suspected leak locations.	4	None	There is no corresponding TSR control.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.24	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.24(a)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.
WHC-SD-WM-OSR-005	AC 5.25	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide requirements for maintaining the cathodic protection system for transfer piping.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.25(a)	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The cathodic protection program shall include a) specifications identifying criteria for using/installing cathodic protection; and b) procedures for periodic VERIFICATION that cathodic protection is operating.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.26	Establish or validate that the barriers are capable of performing their specified safety functions over time and contain adequate tank and dome structural margin	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires periodic performance of integrity assessments on passive physical barriers (tanks and piping).	4	None	Passive physical barriers are identified as Design Features by the TSR. TSR Appendix B states that Design Features require no or infrequent surveillance.			OSD 7, 13 &17 (for DST and AWF tanks and all transfer systems)		The control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.27	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Compliance Implementation Plan shall be established that identifies each OSR requirement (SL, LCS, LCO, SR and AC) and documents how compliance with that requirement is demonstrated.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-005	AC 5.27(a)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The Compliance Implementation Plan shall include the programs, hardware & procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-005	AC 5.27(b)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Estimates of add'l time & personnel resources necessary to demonstrate compliance with the new IOSRs will be specified in the CIP. Plans for developing a basis for interim operation of the affected facility will also be provided.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-005	AC 5.28.1	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be implemented to limit concrete tank and dome temperatures to ensure that temperature change rates, thermal gradients, and maximum concrete temperatures do not result in catastrophic failure of any tank.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.28.1(a)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall use approved and controlled operating specifications and procedures.	4	None	There is no corresponding TSR control.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. BIO Section 4.11 requires approved procedures.
WHC-SD-WM-OSR-005	AC 5.28.1(b)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall include recording & trending of temperatures from existing installed & OPERABLE instrumentation; & periodic evaluation of thermocouple readings from existing installed & OPERABLE instrumentation.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.
WHC-SD-WM-OSR-005	AC 5.29	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	ACs shall be established to manage flammable gas hazards related to the WASTE storage tanks that generate flammable gases, and that release the gases either episodically or chronically.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.29.a	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	FG generation rates, ventilation effectiveness, and tank physical parameters shall be compared with established criteria to assign the proper NFPA classifications and to identify tanks for inclusion on the Flammable Gas Watch List.	3	AC 5.9.2, AC 5.10.2, AC 5.11	The TSR classifies tanks into Facility Groups for application of flammability, ignition, and monitoring controls, but not for Watch List purposes. Tank 101-SY is not assigned to any Facility Group in the TSR.			OSD 30		The Watch List requirement is necessary for compliance with public law, but is not within the scope of the TWRS nuclear safety AB. Flammable gas controls for 101-SY are in LA-UR-92-3196. This control will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-005	AC 5.29.b	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Administrative Control elements for the tanks on the Flammable Gas Watch List are to include controls for work performed on or in the tanks to manage the risk of flammable gas ignition events within acceptance criteria.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.29.c	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For tanks not on the Flammable Gas Watch List, the ACs shall include providing adequate ventilation to prevent vapor spaces reaching flammable concentrations, establishing the non-flammability of vapor spaces, and work controls to prevent gas ignition.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.
WHC-SD-WM-OSR-005	AC 5.29.d	Reduce likelihood of flammable gas-related accidents.	Tank 241-SY-101.	Administrative controls shall be in place for the operation of hydrogen mitigation equipment in tank 241-SY-101. These controls shall include the Level I requirements of Chapter 6 of the mixer pump safety assessment (LA-UR-92-3196).	1	AC 5.9.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.3(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.3(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.3(3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.30.1	N/A	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No transfer restrictions, other than AC 5.15, WATCH LIST TANKS, apply.	2	AC 5.12	TSR control includes all transfer restrictions, applicable to DSTs and AWF tanks, necessary to prevent or mitigate BIO-identified accidents or to protect BIO analysis assumptions. TSR does not specifically address watch list tanks.				X	The intent of the current control is fully met by the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.30.2(1)	N/A	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure that WASTE transfers into SSTs do not occur.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-005	AC 5.30.2(2)	Helps to ensure that transfers to SSTs do not occur	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WASTE transfer program shall include a system which will control the removal of blanks from lines to active transfer facilities.	1	AC 5.12.2	The TSR transfer system configuration management controls require sealing of nozzles to prevent misroutes of waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.31.1	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	For SSTs on the flammable Gas Watch List (FGWL), or those tanks recommended to be on the FGWL, an evaluation checklist shall be completed per Section 7.0 of Reference 1.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.10	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	Prior to waste-intrusive activities, it shall be verified the inlet breather filter effluent (in the event of tank pressurization) is directed vertically to a height of at least 15 ft. above ground level.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.11	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	The FG/RMCS drill bit, core barrel, core sampler, and drill rods shall be as tested by the Bureau of Mines and evaluated in Reference 1. An AC shall be implemented to ensure the use of equipment that is consistent with sampling modes during transition op	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.12	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	It shall be verified that the exhauster is fully operational before, during, and after RMCS or PMCS operations (see text)	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.2	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	Ignition and envelope test requirements and acceptance criteria shall be used to verify drill bit and material performance. Required testing has been completed.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.3	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	Functional requirements and performance acceptance criteria provided in Reference 1 shall be used to verify the performance of the flammable gas detection system.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.4	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	Controls shall be in place that prevent other activities on a specific tank during RMCS or PMCS waste intrusive activities.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.5	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	A formal tank walkdown procedure shall be developed and implemented prior to waste-intrusive activities that assesses the general condition of risers, identifies leaks, documents leaks >= 1 in., and seals or adds deflectors to leaks >= 1 in.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.6	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	An exclusion zone shall be established with a radius of 36-riser-diameters around any open riser during waste-intrusive RMCS or PMCS activities.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.

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WHC-SD-WM-OSR-005	AC 5.31.7	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	During waste-intrusive operations, all energized equipment exposed to the tank dome vapor space shall be rated for operations in Class I, Division 1, Group B environment or Class I, Division 2, Group B environment with automatic shut down for flammable ga	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.8	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	Loading on each tank shall comply with IOSR requirements for simultaneous static and dynamic loading for each specific FG/RMCS or FG/PMCS tank.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.31.9	WHC-SD-WM-SAD-035	SSTs undergoing Rotary Mode Core Sampling	A procedure shall be developed and implemented that ensures that the sampling truck is not positioned over an open riser, and that any potential ignition source on the truck is 36 in. (min) from the top of any riser or pit under the truck.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	AC 5.4.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.2.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.2.b	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.2.c	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-005	AC 5.4.2.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.2.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.2.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.3.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-005	AC 5.4.3.b	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-005	AC 5.4.3.c	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.4.3.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.4.3.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
WHC-SD-WM-OSR-005	AC 5.4.3.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-005	AC 5.4.3.g	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-005	AC 5.5.1	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to report the following per DOE Order 5000.3B: 1. Any deviation from the OSRs authorized pursuant to LCO 3.0.5 2. OSR violations (SL, LCS, LCO, SR and AC) 3. Unplanned entry into the actions statements.	1	LCO 3.0.7, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.8.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The operations manager of AWF, DST and SST shall be responsible for ensuring the requirements in subsections 5.8.2, Operators, through 5.8.7, MODE Changes, are implemented.	1	AC 5.3.1 and AC 5.6.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.8.2 (1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.8.2 (2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-OSR-005	AC 5.8.2 (3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-OSR-005	AC 5.8.2 (4)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	AC 5.8.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5), but will be retained in HNF-IP-0842 to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.8.4(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-005	AC 5.8.4(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.8.5	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control changes made to facility equipment, DESIGN FEATURES, engineering configuration, and operating documentation.	3	BIO Sections 4.15 and 4.17	There is no corresponding TSR control, however change control is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.8.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
WHC-SD-WM-OSR-005	AC 5.8.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
WHC-SD-WM-OSR-005	AC 5.9.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall maintain organizations responsible for detailed safety analyses, providing independent safety overview, conducting audits and appraisals of Tank Farm operations and periodically validating the ACs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	AC 5.9.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall provide independent overview of OSR activities by a quality assurance organization, which reviews and approves selected documents, and verifies that selected activities are in compliance with the Tank Farm OSRs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-005	AC 5.9.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE and Corrective Action Plans developed in response to OSR VIOLATIONs, and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
WHC-SD-WM-OSR-005	LCO 3.0.1	Establishes the Applicability statement within each individual LCO as the requirements for when the LCO is required to be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Compliance with the LCO is required for the MODES specified; except that upon failure to meet the LCO, the associated ACTION requirements shall be met.	1	LCO 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.0.2	Establishes that upon discovery of a failure to meet an LCO, the associated ACTIONS shall be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Upon discovery of a failure to meet an LCO, the Required Actions of the associated Condition shall be met. If the LCO is met or no longer applicable prior to expiration of the specified Completion Time(s), completion of the Required Actions is not requir	1	LCO 3.0.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.0.3	Establishes the actions to be implemented when an LCO is not met and: an associated Required Action and Completion Time is not met and no other Condition applies; or the Condition of the tank is not specifically addressed by the associated ACTIONS.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	When an LCO is not met, and the associated ACTIONS are initiated but cannot be completed in the specified time, or an associated ACTION is not provided, a VIOLATION shall be declared and the tank shall be placed in a MODE or other specified condition in w	1	LCO 3.0.3	TSR refers to AC 5.4.3, which leads to AC 5.5. Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.0.4	Establishes limitations on changes in MODES or other specified conditions in the Applicability when an LCO is not met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Mode changes shall not be made except when associated actions permit operation in the new mode for an unlimited period of time.	1	LCO 3.0.4	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

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WHC-SD-WM-OSR-005	LCO 3.0.5(a)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If an emergency occurs not covered by an LCO, operations is to use training and expertise in addressing the situation.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.0.5(b)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If emergency actions are taken, verbal notifications shall be made to the Head of the field Element (RL) within 2 hours and by written report to the Program Manager within 24 hours, in accordance with AC 5.5, Reporting Requirements.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.0.6	When a separate OSR is prepared for the support system, LCO 3.0.6 establishes an exception to LCO 3.0.2, LCO Not Met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	The design or operational characteristics of a support system may warrant inclusion in an OSR.	1	LCO 3.0.6	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.1.1	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	A primary WASTE level monitoring system shall be designated and shall be OPERABLE on Single Shell Tanks (SSTs) and increases in the WASTE level shall be monitored.	3	AC 5.12.2, AC 5.21.2	The TSR controls require monitoring to detect increases in the WASTE level, but do not require designation or operability of a primary WASTE level monitoring system.			OSD 13 (Add reqmt for operable waste level monitoring and alarm system).		The TSR level monitoring controls adequately protect against tank overflow, while providing freedom in choosing a method of monitoring; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.1.1	Prevents the potential for structural failure of the tank induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	A primary WASTE level monitoring system shall be designated and shall be OPERABLE on Single Shell Tanks (SSTs) and increases in the WASTE level shall be monitored.	4	None	There is no corresponding TSR control.			OSD 13 (Add reqmt for operable waste level monitoring and alarm system).		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	LCO 3.2.1	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Single Shell Tank (SST) WASTE temperature monitoring system shall be OPERABLE and WASTE temperature shall be maintained <= 300 F. Applies to High Heat tanks.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			OSD 13 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
WHC-SD-WM-OSR-005	LCO 3.3.1(a)	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	SST pressure monitoring system shall be OPERABLE on actively ventilated tanks with a maximum pressure of 0" water gage and seal loops shall be OPERABLE on passively ventilated tanks.	4	None	There is no corresponding TSR control.			OSD 13 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.3.1(b)	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The minimum pressure in each tank vapor space relative to atmosphere shall be: a) For tanks > = 10 inches WASTE maintain pressure > = 9.5 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 13 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.3.1(c)	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The minimum pressure in each tank vapor space relative to atmosphere shall be: For tanks < 10 but > = 4.5 inches WASTE maintain pressure > = the negative of (WASTE height minus 0.5) in inches water gauge.	4	None	There is no corresponding TSR control.			OSD 13 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.3.1(d)	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The minimum pressure in each tank vapor space relative to atmosphere shall be: For tanks < 4.5 inches WASTE maintain pressure > = -4 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 13 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.4.1	Protect against an uncontrolled release of radioactive material to the environment.	SSTs and DCRTs with active ventilation in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	Single Shell Tank (SST) and DCRT active ventilation exhaust stack radiation monitoring and alarm systems shall be OPERABLE.	1	LCO 3.1.4		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	LCO 3.4.2	Accommodate the increased radionuclide concentration in the tank vapor space at elevated temperatures and prevent tank vapors from being forced out of the tank.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	The DCRT active ventilation systems shall be OPERABLE and operating during WASTE transfers to or retention in the DCRT.	4	None	There is no corresponding TSR control.				X	Dose consequences from an unfiltered passively breathing tank do not exceed allowables. TSR does provide controls on inlet air for flam gas purposes (LCO 3.2.4).
WHC-SD-WM-OSR-005	LCO 3.4.2	Prevent accumulation of potentially flammable concentrations of hydrogen in the primary receiver vessel.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	The DCRT active ventilation systems shall be OPERABLE and operating during WASTE transfers to or retention in the DCRT.	1	LCO 3.2.4	TSR control requires minimum inlet air flow rate for 244-A, 244-BX, 244-S, 244-TX, 244-U; and operable ventilation system for 244-CR TK-003. Requirement applies when waste is in tanks.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.5.1	Ensure timely detection of any leakage, thereby minimizing the amount of radioactive material that could be released to the environment.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Transfer line leak detection system associated with a transfer activity shall be OPERABLE while performing the transfer.	3	LCO 3.1.3	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			OSD 13 (Add reqmt that encasement leak detectors be operable during a waste transfer).		Leak detectors in pits and boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Sec. 5.3.2.18; spray leaks are safely mitigated by several controls. Control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.5.2	Leak detection is required by DOE Order 5820.2A, Radioactive Waste Management, to ensure timely identification of failed primary liquid confinement.	While retaining WASTE in DCRTs in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	One DCRT annulus leak detection system shall be OPERABLE while retaining WASTE.	4	None	There is no corresponding TSR control.			OSD 13		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure DOE Order and Environmental compliance.
WHC-SD-WM-OSR-005	LCO 3.6.1	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	LCO 3.6.1	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	LCO 3.7.1	Protect against a GRE and possible fire or explosion.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	The flammable gas detection system shall be operable with trip setpoints at 5000 ppm hydrogen concentration equivalent and > 100 ppm/s rate of equivalent hydrogen concentration increase over a 10 sec period.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	LCO 3.7.2	Prevent burn in and out of dome by detecting gas release rates > 1000 ft3/min.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	The gas pressure detection system shall be operable and capable of detecting an increase in tank pressure greater than 2 in. w.g. in any 5 min period.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	LCO 3.7.3	Prevents the occurrence of excessive vacuum in the dome.	OPERATION (one hour prior, during, and sixteen hours following waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Exhauster shall be operable and shall maintain tank pressure less than atmospheric pressure and greater or equal to a negative 3 in. w.g.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	LCO 3.7.4	Prevents local exothermic chemical reactions as well as a possible ignition of flammable gas in the waste.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	The Nitrogen Purge System shall be operable and able to supply the drill string at a rate of >= 30 scfm, and supply nitrogen to the drill string at a temperature > 10 F and < 140 F.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	LCO 3.7.5	Limit the heat generating capacity of the drilling operation.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	The RMCS equipment shall be operable and shall not be operated with a down force on the drill bit > 750 lbf, not operate at a drill string rotation > 55 rpm, and not be operated when the penetration rate is <0.75 in/min for a cumulative time of 60 sec in	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SL 2.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The WASTE level in each SST shall be maintained: a. For A, AX and SX <= 365 inches, b. For BY, S, TX and TY <= 281 inches, c. For BX <= 189 inches, d. For B, C, T and U <= 189 inches, e. For B, C, T and U (200 series) <= 285 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 13		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental conpliance.
WHC-SD-WM-OSR-005	SL 2.1	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The WASTE level in each SST shall be maintained: a. For A, AX and SX <= 365 inches, b. For BY, S, TX and TY <= 281 inches, c. For BX <= 189 inches, d. For B, C, T and U <= 189 inches, e. For B, C, T and U (200 series) <= 285 inches.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			OSD 13 (Protect structural integrity)		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SL 2.2	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	The WASTE temperature in each Single Shell Tank (SST) shall be maintained <= 350 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, but not for protection of the tank structure.			OSD 13 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
WHC-SD-WM-OSR-005	SL 2.3	Prevents structural failure of the tank due to excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	The pressure in each tank vapor space relative to atmosphere shall be maintained: a. For tanks with >= 15 inches WASTE, >= -15 in. WG b. For tanks with < 15 but >= 6 inches WASTE, >= the negative of the WASTE height (in. WG).	4	None	There is no corresponding TSR control.			OSD 13 (Protects tank structure)		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.0.1	Establishes the requirement that SRs must be met during the MODES or other specified conditions in the Applicability for which the requirements of the LCO apply, unless otherwise specified in the individual SRs.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	SRs shall be met during the MODES or other specified conditions in the Applicability for individual LCOs, unless otherwise stated in the SR.	1	SR 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.0.2	Establishes the requirements for meeting the specified Frequency for Surveillances and any Required Action with a Completion Time that requires the periodic performance of the Required Action on a "once per..." interval.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Each Surveillance Requirement shall be performed within the specified interval.	1	SR 3.0.2	OSR SR 3.0.2 includes statement that the 25% extension should not be routinely used. In TSR, this statement is in Section 1.4 and in the Basis for SR 3.0.2.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.0.3	Establishes the flexibility to defer declaring affected equipment inoperable or an affected variable outside the specified limits when a Surveillance has not been completed within the specified Frequency.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If it is discovered that a Surveillance was not performed within its specified Frequency, compliance with the requirement to declare the LCO not met and enter the Required Actions may be delayed up to the lesser of 24 hr or the surveillance frequency.	3	SR 3.0.3	OSR states that failure to complete the Surveillance within the specified time interval (including the 1.25 extension) is a VIOLATION. TSR requires entry into LCO ACTIONs.				X	BIO/TSR has redefined VIOLATION to ensure that the LCOs cover necessary actions to handle adverse conditions.
WHC-SD-WM-OSR-005	SR 3.0.4	Establishes the requirement that all applicable SRs must be met before entry into a MODE or other specified condition in the Applicability.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Entry into a MODE or other specified condition in the Applicability of an LCO shall not be made unless the LCOs Surveillances have been met within their specified Frequency.	1	SR 3.0.4	The TSR control includes a Note stating: "SR 3.0.4 is not applicable at this time." The control itself is a verbatim match to the OSR control.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.1.1.1	Prevent overflowing the tank to the environment.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	VERIFY SST WASTE level is not increasing above established expected levels when not making additions to, or transfers from, affected tank. a. Interim Isolated tanks: 92 days. b. Non-Interim Isolated tanks: 7 days.	1	AC 5.12.2, AC 5.21.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.1.1.1	Protect against structural failure induced by overfilling .	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for AWF tanks. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into Action B as discussed in the BASES).	VERIFY SST WASTE level is not increasing above established expected levels when not making additions to, or transfers from, affected tank. a. Interim Isolated tanks: 92 days. b. Non-Interim Isolated tanks: 7 days.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function. Note that the current control is fully incorporated in TSR AC 5.12.2 and TSR AC 5.21.2.				X	TSR AC 5.16 adequately protects the tank structure, based on the analysis in BIO Section 5.3.2.13. The OSR control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.1.1.2	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	VERIFY SST WASTE level is not increasing above established expected levels when making additions to, or transfers from, affected tank. 24 hours.	1	AC 5.12.2, AC 5.21.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.1.1.3	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	Perform FUNCTIONAL TEST on the primary WASTE level monitoring system for each tank. 184 days.	3	AC 5.12.2, AC 5.19, AC 5.21.2	The TSR controls require monitoring to detect increases in the WASTE level, but do not require designation or operability of a primary WASTE level monitoring system. See COMMENT for WHC-SD-WM-OSR-005, LCO 3.1.1.			Instrument Calibration Documents		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18. Details of the functional testing requirements for the level monitoring system are addressed in the Instrument Calibration Documents.
WHC-SD-WM-OSR-005	SR 3.1.1.3	Protect against structural failure induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	Perform FUNCTIONAL TEST on the primary WASTE level monitoring system for each tank. 184 days.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function. Note that the level monitoring systems perform other safety functions (not protection of the tank structure), and will therefore be calibrated per AC 5.19.			Instrument Calibration Documents		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.2.1.1	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	VERIFY each HIGH HEAT SST WASTE temperature is within limits. 31 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (SR 3.3.1.1) for prevention of tank bump, but not for preservation of structural integrity.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. A more restrictive control is required for another reason by TSR SR 3.3.1.1.

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WHC-SD-WM-OSR-005	SR 3.2.1.2	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Perform FUNCTIONAL TEST on each SST WASTE temperature monitoring system. 92 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (AC 5.19, LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			Instrument Calibration Documents		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained to prevent tank bump and to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.3.1.1	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	For actively ventilated SSTs, VERIFY tank vapor space pressure is within limit. 36 hours.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.3.1.2	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	For passively ventilated SSTs, VERIFY each tank loop seal is OPERABLE. 10 days.	4	None	There is no corresponding TSR control.			OSD 13		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance and for worker protection.
WHC-SD-WM-OSR-005	SR 3.3.1.3	Prevent structural damage (uplifting of the tank bottom) caused by excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for SSTs.	Perform FUNCTIONAL TEST on each actively ventilated pressure monitoring system. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.4.1.1	Protect against an uncontrolled release of radioactive material to the environment.	SSTs and DCRTs with active ventilation in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	VERIFY CAM OPERABLE on each tank active ventilation exhaust. 36 hours.	3	SR 3.1.4.1	TSR requires functional test and verification that the CAM interlock system is operable, every 92 days.				X	92 day frequency is based on manufacturers' recommendations and normal industrial practice for instrumentation.

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WHC-SD-WM-OSR-005	SR 3.4.1.2	Protect against an uncontrolled release of radioactive material to the environment.	SSTs and DCRTs with active ventilation in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	Perform FUNCTIONAL TEST on each tank exhaust stack radiation monitoring and alarm system. 365 days.	1	SR 3.1.4.1	TSR requires functional test of the CAM interlock, every 92 days.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-005	SR 3.4.2.1	Accommodate the increased radionuclide concentration in the tank vapor space at elevated temperatures and prevent tank vapors from being forced out of the tank.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	VERIFY DCRT active ventilation is OPERABLE and operating during WASTE transfers to or retention in the DCRT. 7 days.	4	None	There is no corresponding TSR control.				X	Dose consequences from an unfiltered passively breathing tank do not exceed allowables. TSR does provide controls on inlet air for flam gas purposes (LCO 3.2.4).
WHC-SD-WM-OSR-005	SR 3.4.2.1	Prevent accumulation of potentially flammable concentrations of hydrogen in the primary receiver vessel.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	VERIFY DCRT active ventilation is OPERABLE and operating during WASTE transfers to or retention in the DCRT. 7 days.	2	SR 3.2.4.1, SR 3.2.4.2	TSR controls require verification of specified rates of inlet air supply for 244-A, -BX, -S, -TX, -U; and active ventilation system operability for 244-CR TK-003, every 12 hours.				X	The TSR control fully meets the intent of preventing the accumulation of flammable gas in the DCRT by ensuring adequate air flow.
WHC-SD-WM-OSR-005	SR 3.4.2.2	Prevent accumulation of potentially flammable concentrations of hydrogen in the primary receiver vessel.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	VERIFY DCRT vapor space hydrogen concentration during WASTE transfers to or retention in the DCRT. 31 days.	2	LCO 3.2.4, AC 5.11	TSR controls require flammable gas monitoring if inlet air supply is below specified flow rate, as well as prior to and during manned or waste disturbing activities.				X	The TSR controls fully meet the intent of preventing the accumulation of flammable gas in the DCRT by ensuring adequate air flow.
WHC-SD-WM-OSR-005	SR 3.4.2.3	Accommodate the increased radionuclide concentration in the tank vapor space at elevated temperatures and prevent tank vapors from being forced out of the tank.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	Perform FUNCTIONAL TEST on DCRT active ventilation system. 365 days.	4	None	There is no corresponding TSR control.			OSD 7, 13 & 17		Dose consequences from an unfiltered passively breathing tank do not exceed allowables. TSR does provide controls on inlet air for flam gas purposes (LCO 3.2.4). The control will be retained in the OSD for Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.4.2.3	Prevent accumulation of potentially flammable concentrations of hydrogen in the primary receiver vessel.	DCRT WASTE level above the tank heel in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	Perform FUNCTIONAL TEST on DCRT active ventilation system. 365 days.	3	SR 3.2.4.1, SR 3.2.4.2	TSR controls require verification of specified rates of inlet air supply for 244-A, -BX, -S, -TX, -U; and active ventilation system operability for 244-CR TK-003, every 12 hours. Additional functional testing is not specified.			OSD 7, 13 & 17		WHC-SD-WM-RD-057 provides appropriate functional testing requirements for the DCRT ventilation system. The current control will be maintained in the OSD for Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.5.1.1	Although not expressly identified, control mitigates consequences of transfer system leaks.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Perform FUNCTIONAL TEST on transfer-associated transfer line leak detection systems. Once within 92 days prior to transfer AND Once per 92 days after that until the transfer is completed.	3	SR 3.1.3.1	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			Instrument Calibration Documents		Leak detectors in pits and boxes adequately prevent surface pools, per the analysis in BIO Sec. 5.3.2.18; spray leaks are safely mitigated by other controls. Control will be retained in the Instrument Calibration Docs to ensure Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.5.2.1	Leak detection is required by DOE Order 5820.2A, Radioactive Waste Management, to ensure timely identification of failed primary liquid confinement.	While retaining WASTE in DCRTs in the OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES.	Perform FUNCTIONAL TEST on DCRT leak detection system. 92 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the Instrument Calibration Documents to ensure DOE Order and Environmental compliance.
WHC-SD-WM-OSR-005	SR 3.6.1.1	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
WHC-SD-WM-OSR-005	SR 3.6.1.1	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-OSR-005	SR 3.7.1.1	Provide assurance that system performance has not degraded.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Two redundant channels shall be operable. Calibration shall be checked per required frequency and a trip test performed. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.7.1.2	Required by WHC-SD-WM-SAD-035 for Whittiker Cell.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Hydrogen Detector: The system must retain the response time requirement of reaching 90% of full scale in less than 2 min. Initial setup and every three months thereafter.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.1.3	Required by WHC-SD-WM-SAD-035 for SMC Sensor.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Flammability Detector: The functional test procedure shall test the shutoff electronics as well as the sensor readings. The system must reach 90% of full scale in < 2 min. The sensor must be replaced monthly with a new sensor that has been calibrated.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.2.1	Ensure that the equipment will perform as required by the safety assessment.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Two redundant channels shall be operable. Calibration shall be checked per required frequency and a functional test performed. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.7.3.1	Assure that the exhauster is performing as designed and meeting the requirements assumed in the safety assessment.	OPERATION (one hour prior, during, and sixteen hours following waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	The exhauster pressure switch shall be calibrated periodically. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.3.2	Ensure that pressure requirements are met.	OPERATION (one hour prior, during, and sixteen hours following waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	Prior to initiating operations and periodically during exhauster operations, the pressure shall be verified to be in limits. Prior to initiating operations and then once every 24 hours.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.3.3	Ensure system reliability.	OPERATION (one hour prior, during, and sixteen hours following waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL). Valid for push, transition, and rotary mode.	All exhauster shutdown indication elements shall be calibrated with independent verification and tested with indication of all failures. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-005	SR 3.7.4.1	Required by WHC-SD-WM-SAD-035 to ensure equipment reliability and operability.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	The purge system shall be tested for bypass leakage periodically. Testing shall be independently verified with indication of failures. Leak rate shall be limited to the uncertainty of the system or less than 2% of the required flow. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.4.2	Required by WHC-SD-WM-SAD-035 to ensure equipment reliability and operability.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	Flow monitoring and automatic shutdown system will be calibrated and verified as capable of sending a shutdown signal to the drill rig engine immediately upon receipt of a signal of detecting nitrogen flow < the required flow. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.4.3	Assures proper operator response to out-of-normal condition.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	Temperature indicator and alarm shall be calibrated periodically. 6 months.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-005	SR 3.7.5.1	Required by WHC-SD-WM-SAD-035 to ensure system reliability and performance.	OPERATION (RMCS waste intrusive operations in Flammable Gas Watch List (FGWL) Tanks or those tanks recommended by the contractor to be included on the FGWL).	RPM , penetration rate, & down force measurement systems & alarm trip equipment shall be calibrated & functionally tested. Walkdown function and hydraulic bottom detector shall be verified operational. Grapple hoist cable shall be inspected. 6 months ea.	4	None	There is no corresponding TSR control.		X			RMCS operation is not within the scope of the BIO/TSR. This control is still necessary.
WHC-SD-WM-OSR-016	AC 5.1(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.1(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to control the facility and meets the intent of the existing control.
WHC-SD-WM-OSR-016	AC 5.10.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain an auditable file of OSR records.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.10.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for record retention.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.11	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.12	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-016	AC 5.12.a	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.
WHC-SD-WM-OSR-016	AC 5.12.b(1)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be <= 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-016	AC 5.12.b(2)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory >25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-OSR-016	AC 5.12.c	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be <= 125 kg Pu, and <= 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.

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WHC-SD-WM-OSR-016	AC 5.13	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.14	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.15	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-016	AC 5.15(1)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-016	AC 5.15(2.a)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-016	AC 5.15(2.b)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-OSR-016	AC 5.16	To support ACs 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21 and 5.29	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A WASTE sampling program shall be established to provide WASTE characterization. The program shall be sufficient to meet the requirements of the following ACs: 5.12, 5.15, 5.17, 5.18, 5.19, 5.20, 5.21, and 5.29.	3	AC 5.7, AC 5.8, AC 5.12, and AC 5.15	WASTE sampling is not specified as a key element for the TSR ACs that correspond to the noted OSR ACs.			HNF-IP-1266		Waste sampling will be included, as needed, in the details of any program requiring sampling, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).

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WHC-SD-WM-OSR-016	AC 5.17.1	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to chemically inhibit the WASTE to control general corrosion, pitting corrosion and stress corrosion cracking to ensure the tank design life expectancy of 50 years is achieved.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.
WHC-SD-WM-OSR-016	AC 5.17.1.a	Tank failure because of excessive corrosion	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The corrosion control program shall include ion concentrations of OH, NO2 and NO3, material balance and VERIFICATION against material balance limits, and VERIFICATION of material balance by sampling.	3	Appendix B	Tank structure is identified as a design feature. Corrosion controls not specifically stated as requirements.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; control will be retained to ensure env. compliance.
WHC-SD-WM-OSR-016	AC 5.17.2	Tank failure because of excessive corrosion	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change the concentration of the contents of an SST, the restrictions stated in BASES Section B 5.17, Table B-5.17-1 of WHC-SD-WM-OSR-004 apply to SST contents.	3	AC 5.12.2	AC 5.12.2 prohibits waste transfers into SSTs.				X	BIO assumes tank corrosion will occur. Consequences of failure due to corrosion are addressed through other controls (e. g., LCO 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines.
WHC-SD-WM-OSR-016	AC 5.18.1.1	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of added or transferred WASTE with material contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.1.2	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.1.2.a	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.18.1.2.b	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.1.2.c	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.1.2.d	Assure chemical and radiochemical compatibility of the waste	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.2.1	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of transferred waste with material contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.2.2	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall use approved and controlled operating specifications and procedures.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.2.2.a	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: a. Material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-OSR-016	AC 5.18.2.2.b	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: b. Periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.2.2.c	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: c. Procedures for evaluating chemical inventories and approving transfers.	1	AC 5.8 and AC 5.12		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.18.2.2.d	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	The (compatibility) program shall include: d. Consideration of separable organics.	1	AC 5.12.2	The TSR control requires consideration of the organic solvent fire hazard, which encompasses separable organics. The OSR and TSR controls apply to the addition of new waste from outside tank farms, as well as intertank transfers of existing waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.18.2.3	Assure chemical and radiochemical compatibility of the waste	Transfers from an SST facility.	All material balances must be performed at least every 8 hours during a transfer from an SST.	4	None	There is no corresponding TSR control. Note: TSR AC 5.12.2 requires "material balance" calculations every 2 hours during transfers, but the term as used in the TSR has a different meaning from the term used in the OSR control.				X	The BIO/TSR does not identify a need for this control. The control has not been implemented, and so is not part of current operating practices. There is no environmental compliance issue identified with the control. It is not needed.
WHC-SD-WM-OSR-016	AC 5.19.1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to limit the tank WASTE radioactive decay heat generation rate.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO with temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-016	AC 5.19.1.a1	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include material balances and sampling with VERIFICATION against radiolytic heat limits of 700,000 BTU/hr per AWF tank (1,000,000 BTU/hr for all AWF tanks), 50,000 BTU/hr per SY Farm tank, and 70,000 BTU/hr per AN/AP/AW Farm tank.	4	None	There is no corresponding TSR control. The hazard was addressed in the BIO with temperature monitoring controls.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-016	AC 5.19.1.a2	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The effects of mechanical or steam heat generating equipment shall be evaluated prior to operation of these devices.	3	BIO Section 4.17	The USQ process addresses this requirement.				X	The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit to prevent a chemical runaway reaction; LCO 3.3.2 prevents tank bump.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.19.1.b	Assures that temperatures stay within design criteria limits and protects release assumptions (based on evaporation) during seismic event or tornado	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The (heat load) program shall include procedures for evaluating heat loads and approving transfers.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015		The purpose of this control was to protect an assumption in a previous analysis. Not required based on BIO analysis. NOTE: TSR SL 2.1.1 provides temperature safety limit, related to decay heat generation, for prevention of a chemical runaway reaction.
WHC-SD-WM-OSR-016	AC 5.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.20.1	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Requirements are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-016.	4	None	There is no corresponding TSR control.			WHC-SD-WM-OCD-015 (Waste Compatibility document)		Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that hydrostatic load limits are not required for safety. Specific gravity controls will be retained as a good practice to maximize the life of the tanks.
WHC-SD-WM-OSR-016	AC 5.20.2	Protects against overstressing the tank as a result of excessive internal loads	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For any activities that may significantly change hydrostatic tank loading in SSTs, a program shall be established to ensure limits are maintained on the hydrostatic load of the WASTE. Reqmts are found in the BASES Section B 5.20 of WHC-SD-WM-OSR-016.	4	None	There is no corresponding TSR control.				X	Structural analysis (WHC-SD-TWR-RPT-002 Rev 0) shows that limits on hydrostatic loads are not required.
WHC-SD-WM-OSR-016	AC 5.21.1	No basis stated in IOSR document.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control the distributed spare tank capacity. The program shall include up-to-date identification of spare tank space location, and a periodic evaluation of compatibility issues associated with spare tank capacity.	4	None	There is no corresponding TSR control.			OSD 7, OSD 17		The IOSR document does not state the basis for the current control, but the driver is DOE 5820.2A. SD-HS-SAR-010 LCO 11.11 and 11.14 include a requirement for spare AWF tank capacity; see the dispositions for those controls.
WHC-SD-WM-OSR-016	AC 5.22	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be establisbed to control access to the tank dome area, buried piping and transfer pit area. Requirements are found in Table B-5.22-1, of B-5.22, from WHC-SD-WM-OSR-004.	3	AC 5.16	TSR table 5.16-1 allows higher loads for DSTs and AWF tanks, and does not include requirements for record keeping and deflection monitoring found in OSR table. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.22.a	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include maintenance of a record for evaluating dome loads with periodic field VERIFICATION.	3	AC 5.16	TSR control does not include record maintenance as a key element. BIO Sec. 5.3.2.13 specifies defense-in-depth controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-016	AC 5.22.b	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The dome load program shall include posting of additions or deletions to the record ensuring loads are maintained below the limits specified in Table B-5.22-1 of WHC-SD-WM-OSR-004.	3	AC 5.16.2	TSR control does not specify record-keeping requirements. Load limits in TSR Table 5.16-1 are in many cases less conservative than those in OSR table B 5.22-1. BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-016	AC 5.22.c	Protect against permanent tank deflection caused by total uniform load or point overloads, which can potentially cause structural damage	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For SSTF, a program shall be established to provide approved and controlled procedures monitoring dome deflection, particularly regarding internal tank loads. The program shall include specifications identifying dome deflection criteria.	3	AC 5.16.1	The TSR control requires limits on external loads, but not internal loads, and does not specify a requirement for dome deflection criteria. However, BIO Sec. 5.3.2.13 specifies DID controls to maintain loads within tank structural capacity.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-OSR-016	AC 5.23.1	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for actions to be taken if a tank or transfer line leak has been confirmed.	1	LCO 3.1.3, LCO 3.2.6, AC 5.12.2, AC 5.14.2		X				The current control is fully incorporated in the BIO/TSR.
WHC-SD-WM-OSR-016	AC 5.23.2	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure tank leaks are detected promptly and provide approved and controlled procedures for actions to be taken if a tank or transfer line leak is suspected or assumed.	3	LCO 3.1.3, AC 5.12.2, AC 5.14.2	TSR controls address transfer system leaks and response plans for leaks, but not detection of tank leaks.			OSD 31 (Detection must be within 24 hours)		Dose consequences associated with a tank leak do not warrant a TSR control per BIO Section 5.3.2.7; however the control will be retained in the OSD to ensure Environmental compliance.

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WHC-SD-WM-OSR-016	AC 5.23.2.a	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of Surveillances (at frequencies to be determined) to ensure leaks are not occurring and the establishment of corrective actions in cases when leaks are detected.	3	AC 5.12.2 and AC 5.14.2	TSR addresses transfer line leaks, but not tank leaks.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.23.2.b	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Periodic performance of OPERABILITY assessments on leak detection systems (i.e., FUNCTIONAL TESTING) to ensure that they are capable of performing their specified safety functions over time. Frequencies TBD.	3	SR 3.1.3.1, AC 5.19	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.23.2.c	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The leak detection program shall include: Procedures for responding to the detection of a leak and for taking corrective actions if the leak detection system is inoperable.	3	LCO 3.1.3	TSR addresses transfer structure leak detection systems, but not tank or pipeline encasement leak detection systems. TSR recognizes that not all encased lines have leak detectors, & that pit leak detection is adequate for the BIO safety function.			OSD 31		Consequences assoc. with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.23.2.d	Although not expressly identified, many event sequences assume the detection of leakage from the tank and list features and measures which rely on knowledge that a leak exists.	All tanks and transfer lines in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The program shall include: Procedures for maintaining WASTE liquid levels below assumed/suspected leak locations and for establishing appropriate limits on personnel access and exposure if WASTE liquid levels are above assumed/suspected leak locations.	4	None	There is no corresponding TSR control.			OSD 31		Consequences associated with a SST leak do not warrant an AB control, as noted in BIO section 5.3.2.7; however this reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.24	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.24(a)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.

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WHC-SD-WM-OSR-016	AC 5.25	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide requirements for maintaining the cathodic protection system for transfer piping.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.25(a)	Reduce frequency of cathodically caused corrosion failures that result in leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The cathodic protection program shall include a) specifications identifying criteria for using/installing cathodic protection; and b) procedures for periodic VERIFICATION that cathodic protection is operating.	4	None	There is no corresponding TSR control.			Part B Permit Application		BIO assumed that transfer lines will fail and therefore provides controls for detection, but not prevention, of leaks (see LCO 3.1.3 and AC 5.12.2); however the control will be retained to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.26	Establish or validate that the barriers are capable of performing their specified safety functions over time and contain adequate tank and dome structural margin	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires periodic performance of integrity assessments on passive physical barriers (tanks and piping).	4	None	Passive physical barriers are identified as Design Features by the TSR. TSR Appendix B states that Design Features require no or infrequent surveillance.			OSD 7, 13 &17 (for DST and AWF tanks and all transfer systems)		The control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.27	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Compliance Implementation Plan shall be established that identifies each OSR requirement (SL, LCS, LCO, SR and AC) and documents how compliance with that requirement is demonstrated.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-016	AC 5.27(a)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The Compliance Implementation Plan shall include the programs, hardware & procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.
WHC-SD-WM-OSR-016	AC 5.27(b)	Identify the programs, hardware and procedures which must be developed or revised in order to implement OSR requirements which currently are not implemented	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Estimates of add'l time & personnel resources necessary to demonstrate compliance with the new IOSRs will be specified in the CIP. Plans for developing a basis for interim operation of the affected facility will also be provided.	4	None	There is no corresponding TSR control.				X	This is an implementation requirement, not an AB level control. DOE has stated that the CIP is a contractor document not subject to DOE approval.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.28.1	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be implemented to limit concrete tank and dome temperatures to ensure that temperature change rates, thermal gradients, and maximum concrete temperatures do not result in catastrophic failure of any tank.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.
WHC-SD-WM-OSR-016	AC 5.28.1(a)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall use approved and controlled operating specifications and procedures.	4	None	There is no corresponding TSR control.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. BIO Section 4.11 requires approved procedures.
WHC-SD-WM-OSR-016	AC 5.28.1(b)	Exceeding analyzed thermal load boundaries for any tank could cause structural failure of the tank. This AC ensures that the concrete dome and wall temperatures will not exceed analyzed thermal conditions of any tank.	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The concrete temperature program shall include recording & trending of temperatures from existing installed & OPERABLE instrumentation; & periodic evaluation of thermocouple readings from existing installed & OPERABLE instrumentation.	4	None	There is no corresponding TSR control.			OSD 7, 17		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13, but will be added to the OSD to ensure compliance with Environmental requirements.
WHC-SD-WM-OSR-016	AC 5.29	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	ACs shall be established to manage flammable gas hazards related to the WASTE storage tanks that generate flammable gases, and that release the gases either episodically or chronically.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.29.a	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	FG generation rates, ventilation effectiveness, and tank physical parameters shall be compared with established criteria to assign the proper NFPA classifications and to identify tanks for inclusion on the Flammable Gas Watch List.	3	AC 5.9.2, AC 5.10.2, AC 5.11	The TSR classifies tanks into Facility Groups for application of flammability, ignition, and monitoring controls, but not for Watch List purposes. Tank 101-SY is not assigned to any Facility Group in the TSR.			OSD 30		The Watch List requirement is necessary for compliance with public law, but is not within the scope of the TWRS nuclear safety AB. Flammable gas controls for 101-SY are in LA-UR-92-3196. This control will be retained in the OSD to ensure compliance.

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WHC-SD-WM-OSR-016	AC 5.29.b	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Administrative Control elements for the tanks on the Flammable Gas Watch List are to include controls for work performed on or in the tanks to manage the risk of flammable gas ignition events within acceptance criteria.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.
WHC-SD-WM-OSR-016	AC 5.29.c	Reduce likelihood of flammable gas-related accidents.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	For tanks not on the Flammable Gas Watch List, the ACs shall include providing adequate ventilation to prevent vapor spaces reaching flammable concentrations, establishing the non-flammability of vapor spaces, and work controls to prevent gas ignition.	1	AC 5.9.2, AC 5.10.2, AC 5.11		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control; OSD 30 will be revised to note that this control resides in the TSR.
WHC-SD-WM-OSR-016	AC 5.29.d	Reduce likelihood of flammable gas-related accidents.	Tank 241-SY-101.	Administrative controls shall be in place for the operation of hydrogen mitigation equipment in tank 241-SY-101. These controls shall include the Level I requirements of Chapter 6 of the mixer pump safety assessment (LA-UR-92-3196).	1	AC 5.9.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.3(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.3(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.3(3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.30.1	N/A	All tanks in the AWF and DST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No transfer restrictions, other than AC 5.15, WATCH LIST TANKS, apply.	2	AC 5.12	TSR control includes all transfer restrictions, applicable to DSTs and AWF tanks, necessary to prevent or mitigate BIO-identified accidents or to protect BIO analysis assumptions. TSR does not specifically address watch list tanks.				X	The intent of the current control is fully met by the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.30.2(1)	N/A	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure that WASTE transfers into SSTs do not occur.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.30.2(2)	Helps to ensure that transfers to SSTs do not occur	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WASTE transfer program shall include a system which will control the removal of blanks from lines to active transfer facilities.	1	AC 5.12.2	The TSR transfer system configuration management controls require sealing of nozzles to prevent misroutes of waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.2.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.2.b	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.4.2.c	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.2.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.2.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.2.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.3.a	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-016	AC 5.4.3.b	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-016	AC 5.4.3.c	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.4.3.d	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.4.3.e	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
WHC-SD-WM-OSR-016	AC 5.4.3.f	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-016	AC 5.4.3.g	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-OSR-016	AC 5.5.1	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to report the following per DOE Order 5000.3B: 1. Any deviation from the OSRs authorized pursuant to LCO 3.0.5 2. OSR violations (SL, LCS, LCO, SR and AC) 3. Unplanned entry into the actions statements.	1	LCO 3.0.7, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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WHC-SD-WM-OSR-016	AC 5.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
WHC-SD-WM-OSR-016	AC 5.8.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The operations manager of AWF, DST and SST shall be responsible for ensuring the requirements in subsections 5.8.2, Operators, through 5.8.7, MODE Changes, are implemented.	1	AC 5.3.1 and AC 5.6.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.8.2 (1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.8.2 (2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-OSR-016	AC 5.8.2 (3)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-OSR-016	AC 5.8.2 (4)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	AC 5.8.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5), but will be retained in HNF-IP-0842 to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.8.4(1)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-OSR-016	AC 5.8.4(2)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.8.5	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to control changes made to facility equipment, DESIGN FEATURES, engineering configuration, and operating documentation.	3	BIO Sections 4.15 and 4.17	There is no corresponding TSR control, however change control is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.8.6	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.
WHC-SD-WM-OSR-016	AC 5.8.7	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
WHC-SD-WM-OSR-016	AC 5.9.1	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall maintain organizations responsible for detailed safety analyses, providing independent safety overview, conducting audits and appraisals of Tank Farm operations and periodically validating the ACs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	AC 5.9.2	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	WHC shall provide independent overview of OSR activities by a quality assurance organization, which reviews and approves selected documents, and verifies that selected activities are in compliance with the Tank Farm OSRs.	3	BIO Chap. 4	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-OSR-016	AC 5.9.3	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review and approve OSR RECOVERY PLANS developed in response to entering the RESTRICTED MODE; Corrective Action Plans developed in response to OSR VIOLATIONs; and shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
WHC-SD-WM-OSR-016	LCO 3.0.1	Establishes the Applicability statement within each individual LCO as the requirements for when the LCO is required to be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Compliance with the LCO is required for the MODES specified; except that upon failure to meet the LCO, the associated ACTION requirements shall be met.	1	LCO 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.0.2	Establishes that upon discovery of a failure to meet an LCO, the associated ACTIONS shall be met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Upon discovery of a failure to meet an LCO, the Required Actions of the associated Condition shall be met. If the LCO is met or no longer applicable prior to expiration of the specified Completion Time(s), completion of the Required Actions is not requir	1	LCO 3.0.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.0.3	establishes the actions to be implemented when an LCO is not met and: an associated Required Action and Completion Time is not met and no other Condition applies; or the Condition of the tank is not specifically addressed by the associated ACTIONS	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	When an LCO is not met, and the associated ACTIONS are initiated but cannot be completed in the specified time, or an associated ACTION is not provided, a VIOLATION shall be declared and the tank shall be placed in a MODE or other specified condition in w	1	LCO 3.0.3	TSR refers to AC 5.4.3, which leads to AC 5.5. Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.0.4	establishes limitations on changes in MODES or other specified conditions in the Applicability when an LCO is not met	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Mode changes shall not be made except when associated actions permit operation in the new mode for an unlimited period of time.	1	LCO 3.0.4	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	LCO 3.0.5(a)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If an emergency occurs not covered by an LCO, operations is to use training and expertise in addressing the situation.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.0.5(b)	Establishes that in an emergency, if a situation develops that is not addressed by the OSR, facility operating personnel are expected to utilize their training and expertise in taking actions to correct or mitigate the situation.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If emergency actions are taken, verbal notifications shall be made to the Head of the field Element (RL) within 2 hours and by written report to the Program Manager within 24 hours, in accordance with AC 5.5, Reporting Requirements.	1	LCO 3.0.7	TSR requires Shift Manager approval for emergency actions.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.0.6	When a separate OSR is prepared for the support system, LCO 3.0.6 establishes an exception to LCO 3.0.2, LCO Not Met.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	The design or operational characteristics of a support system may warrant inclusion in an OSR.	1	LCO 3.0.6	Note the TSR control is not applicable at this time.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.1.1	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into ACTION B as discussed in the BASES).	A primary level monitoring system shall be operable and the LCS set at < or = 419".	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7 (Add reqmt for operable waste level monitoring system).		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.1.1	prevents the potential for structural failure of the tank induced by overfilling	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into ACTION B as discussed in the BASES).	A primary level monitoring system shall be operable and the LCS set at < or = 419".	4	None	There is no corresponding TSR control.			OSD 7 (Add reqmt for operable waste level monitoring system).		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	LCO 3.1.2	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Tank levels shall be maintained at: 1. DSTs except for 102 AW < or = 416" 2. 102 AW < or = 410."	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.1.2	prevents the potential for structural failure of the tank induced by overfilling	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Tank levels shall be maintained at: 1. DSTs except for 102 AW < or = 416" 2. 102 AW < or = 410."	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.2.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Temperature monitoring system shall be operable with the following LCS points: 1. AN, AW and SY < or = 200 F 2. AP < or = 180 F.	4	None	There is no corresponding TSR control. Note: TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, not for structural integrity. The TSR LCO allows a waste temperature of up to 195 F (215 F below 15 ft of waste) for all DSTs.			OSD 7		Temperature controls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temperature controls to protect against other accidents. Control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.2.2	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The primary tank WASTE temperature for each tank shall be maintained within the following limits: 1. AN, AW and SY < or = 200 F 2. AP < or = 180 F.	4	None	There is no corresponding TSR control. Note: TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, not for structural integrity. The TSR LCO allows a waste temperature of up to 195 F (215 F below 15 ft of waste) for all DSTs.			OSD 7		Temperature controls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temperature controls to protect against other accidents. Control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.2.2	Protect ventilation system from excessive moisture (that could lead to HEPA filter failure).	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The primary tank WASTE temperature for each tank shall be maintained within the following limits: 1. AN, AW and SY < or = 200 F 2. AP < or = 180 F.	2	LCO 3.1.4	The OSR control protects against rupture of the exhaust stack HEPA filters. The TSR control stops an unfiltered release after loss of the HEPA filters. Note TSR LCO 3.2.2 provides temperature controls for prevention of tank bump.			OSD 7		LCO 3.1.4 safely mitigates consequences of a HEPA filter failure, based on analyses in BIO Sec. 5.3.2.2 & 5.3.2.20; however the control will be retained in the OSD to ensure Env. compliance. Note OSR limits are based on tank structure requirements.
WHC-SD-WM-OSR-016	LCO 3.3.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Pressure monitoring/alarm system shall be operable and the alarms set at: 1. Low > or = -4" 2. High < 0."	4	None	There is no corresponding TSR control.			OSD 7 (Add reqmt for operable vapor space pressure monitoring and alarm system).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

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WHC-SD-WM-OSR-016	LCO 3.3.2	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Pressure shall be maintained relative to atmospheric > -4 and < 0" water gauge.	4	None	There is no corresponding TSR control.			OSD 7		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.4.1	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	An exhaust ventilation system for each primary tank shall be operable and operating.	3	LCO 3.2.1	The TSR control's purpose is not to directly control pressure, but to prevent flammable gas deflagration, which is identified in BIO Section 5.3.2.2 as one of the potential causes of tank overpressurization.				X	The TSR control, with other controls identified in BIO Section 5.3.2.2, adequately prevent the release of airborne contamination due to tank pressurization.
WHC-SD-WM-OSR-016	LCO 3.4.2	Detect releases from the exhaust stack and prompt initiation of manual protective actions to mitigate the accident.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	The primary tank exhaust stack radiation monitoring and alarm system for the operating primary tank exhaust ventilation system, shall be OPERABLE.	1	LCO 3.1.4		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	LCO 3.4.3	Ensure the source term inventory assumed in the accident analyzed in Section 9.3 of the SAR (SD-WM-SAR 016) is maintained.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The radiation levels for each primary tank exhaust ventilation system shall be maintained within the limits specified below: a. The prefilter housing < 100 mrem/h. b. The first stage High Efficiency Particulate Air (HEPA) filter housing < 200 mrem/h.	3	AC 5.18.2	TSR limit is < = 200 mrem/hr for both prefilter and HEPA filter housings.				X	The TSR control is consistent with the source term inventory assumed in the accident analyzed in Section 5.3.2.2 of the BIO.
WHC-SD-WM-OSR-016	LCO 3.5.1	Although not expressly identified, many event sequences (in SD-WM-SAR-016) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The annulus CAM system and the annulus conductivity probe system (primary tank leak detection systems) shall be OPERABLE.	3	LCO 3.2.6	LCO 3.2.6 requires either system to be OPERABLE to prevent flammable gas deflagration and surface leak resulting in pool accidents. The OSR basis statement does not identify the accidents related to this control, but it appears there are more than two.				X	The BIO/TSR control provides adequate protection against the accidents for which it is identified, especially in consideration of the low reliability of the annulus CAM as compared to that of the conductivity probe (ref. WHC-SD-WM-RD-057).

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WHC-SD-WM-OSR-016	LCO 3.5.2	Although not expressly identified, many event sequences (in SD-WM-SAR-016) assume the detection of leakage from the secondary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Secondary leak detection radiation monitoring and alarm system and the liquid level monitoring and alarm system shall both be operable when a leak to the annulus has occurred but only one need be operable when a leak has not occurred.	4	None	There is no corresponding TSR control.			OSD 31		Detection of leakage from the secondary tank is not reqd for mitigation of any accident analyzed in the BIO, & is not required as a TSR-level control per DOE Orders 5480.22 & 23. The control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.6.1	Detect primary confinement (pipeline) failures	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Conductivity probe leak detection systems installed in process pipeline encasements and Clean Out Boxes (COBs), diversion boxes, valve pits, pump pits and drain pits shall be OPERABLE.	3	LCO 3.1.3	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			OSD 7 (Add reqmt that encasement leak detectors be operable during a waste transfer).		Leak detectors in pits and boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18. Encasement leak detector reqmt will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.6.1	Detect the liquid portion of aerosol leaks which may occur from pumps and jumpers	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Conductivity probe leak detection systems installed in process pipeline encasements and Clean Out Boxes (COBs), diversion boxes, valve pits, pump pits and drain pits shall be OPERABLE.	4		There is no corresponding TSR control. Note that TSR LCO 3.1.3 requires operable leak detectors in pits and boxes, not encasements; but for a different basis.			OSD 7 (Add reqmt that encasement leak detectors be operable during a waste transfer).		The spray leak accident is adequately mitigated by numerous TSR controls. The pit leak detectors are identified as TSR controls for other accidents. The encasement leak detectors will be retained as (non-AB) defense-in-depth and environmental controls.
WHC-SD-WM-OSR-016	LCO 3.6.2	detect primary confinement (pipeline) failures	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those air purge leak detection systems associated with the transfer.	Air purge leak detection systems installed in process pipeline encasements shall be operable.	4	None	There is no corresponding TSR control.			OSD 7		Leak detectors in process pits, diversion boxes, vault pits, and cleanout boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18; however control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	LCO 3.6.3	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, drain pits, leak detection pits and diversion boxes shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-OSR-016	LCO 3.6.3	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	Covers for Clean Out Boxes (COBs), valve pits, pump pits, drain pits, leak detection pits and diversion boxes shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-OSR-016	SL 2.1	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Waste level shall be maintained at < or = 422".	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7		The TSR level monitoring controls adequately protect against tank overflow based on the analysis in BIO section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SL 2.1	prevents the potential for structural failure of the tank induced by overfilling	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Waste level shall be maintained at < or = 422".	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SL 2.2	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Temperature shall be maintained at: 1. AN and AW farms < or = 350 F 2. AP farm < or = 210 F 3. SY farm < or = 250 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, not for structural integrity. Note that the TSR SL allows a waste temperature of up to 250 F for all tanks.			OSD 7		Temperature controls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temperature controls to protect against other accidents. Control will be retained in OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SL 2.3	Protect the structural integrity of the tanks from damage due to excessive vacuum.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Primary tank pressure, relative to tank annulus shall be maintained at: 1. AN, AW and SY farms > 0r = -6" water gauge. 2. AP farm > or = -12" water gauge.	4	None	There is no corresponding TSR control.			OSD 7		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SL 2.4	prevents structural failure of the tank due to overpressurization	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	The vapor space pressure for each primary tank, relative to atmosphere, shall be maintained < = 60 inches water gauge.	4	None	There is no corresponding TSR control.			OSD 7 (Add note that pressure limit protects tank structure).		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.0.1	Establishes the requirement that SRs must be met during the MODES or other specified conditions in the Applicability for which the requirements of the LCO apply, unless otherwise specified in the individual SRs.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	SRs shall be met during the Modes or other specified conditions in the applicability of individual LCOs unless otherwise stated in the SR.	1	SR 3.0.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	SR 3.0.2	Establishes the requirements for meeting the specified Frequency for Surveillances and any Required Action with a Completion Time that requires the periodic performance of the Required Action on a "once per..." interval.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Each surveillance requirement shall be performed within the specified interval.	1	SR 3.0.2	OSR SR 3.0.2 includes statement that the 25% extension should not be routinely used. In TSR, this statement is in Section 1.4 and in the Basis for SR 3.0.2.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	SR 3.0.3	Establishes the flexibility to defer declaring affected equipment inoperable or an affected variable outside the specified limits when a Surveillance has not been completed within the specified Frequency.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	If it is discovered that a Surveillance was not performed within its specified Frequency, compliance with the requirement to declare the LCO not met and enter the Required Actions may be delayed up to the lesser of 24 hr or the surveillance frequency.	3	SR 3.0.3	OSR states that failure to complete the Surveillance within the specified time interval (including the 1.25 extension) is a VIOLATION. TSR requires entry into LCO ACTIONs.				X	BIO/TSR has redefined VIOLATION to ensure that the LCOs cover necessary actions to handle adverse conditions.
WHC-SD-WM-OSR-016	SR 3.0.4	Establishes the requirement that all applicable SRs must be met before entry into a MODE or other specified condition in the Applicability.	OPERATION, STANDBY, REPAIR and RESTRICTED MODES for AWF tanks, DSTs, and SSTs.	Entry into a mode or other specified condition in the applicability of an LCO shall not be made unless the LCOs surveillances have been met within the specified frequency.	1	SR 3.0.4	The TSR control includes a Note stating: "SR 3.0.4 is not applicable at this time." The control itself is a verbatim match to the OSR control.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	SR 3.1.1.1	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into ACTION B as discussed in the BASES).	Perform functional test on each primary tank waste level monitoring system. 184 days.	3	AC 5.12.2, AC 5.19, AC 5.21.2	The OSR prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels. AC 5.19 requires functional testing/calibration.			Instrument Calibration Documents		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18. Details of the functional testing requirements for the level monitoring system are addressed in the Instrument Calibration Documents.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.1.1.1	Prevents the potential for structural failure of the tank induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs. (NOTE: Exception is taken to LCO 3.0.4 which permits the required entry into ACTION B as discussed in the BASES).	Perform functional test on each primary tank waste level monitoring system. 184 days.	2	AC 5.16	The OSR control protects the tank structure. The TSR dome load limits perform the same function.			Instrument Calibration Documents		The TSR control adequately protects the tank structure, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.1.2.1	Prevents the potential for overflowing the tank liquid confinement boundary.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY the WASTE level in each primary tank is within the following limits: a. For all DSTs except for tank 102-AW, 416 inches, and b. For DST 102-AW, 410 inches.	3	AC 5.12.2, AC 5.21.2	The OSR control prevents waste overflow by limiting tank waste level. The TSR controls prevent waste overflows by monitoring tank waste levels to detect unexpected increases, but do not specify maximum levels.			OSD 7		The TSR controls adequately protect against tank overflow, based on the analysis in BIO Section 5.3.2.18; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.1.2.1	Prevents the potential for structural failure of the tank induced by overfilling.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY the WASTE level in each primary tank is within the following limits: a. For all DSTs except for tank 102-AW, 416 inches, and b. For DST 102-AW, 410 inches.	4	None	There is no corresponding TSR control.			OSD 7		Level controls to protect the tank structure are not required, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.2.1.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform functional test on primary tank waste temperature monitoring system for each tank. 92 days.	4	None	There is no corresponding TSR control. Note: TSR LCO 3.3.2 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure. TSR AC 5.19 therefore requires testing or calibration of the system.			Instrument Calibration Documents		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.2.2.1	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY primary tank WASTE temperature for each tank is within limits. 7 days.	4	None	There is no corresponding TSR control. Note that TSR SR 3.3.2.1 provides a waste temperature control for prevention of tank bump, but not for protection of the tank structure.			OSD 7		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.3.1.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST on vapor space pressure monitoring and alarm system for each primary tank. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the Instrument Calibration Documents to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.3.2.1	Protect the structural integrity of the tanks.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify primary tank vapor space pressure is within limits. 36 hr.	4	None	There is no corresponding TSR control.			OSD 7		Pressure controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.4.1.1	Provide indication that HEPA filter dp is reaching design limit, to allow corrective action to prevent failure of HEPA leading to unfiltered release.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Verify exhaust HEPA filter differential pressure is < or = 6" water gauge. 72 hr.	2	LCO 3.1.4, AC 5.18.2	The OSR control prevents one cause of HEPA filter failure. The TSR controls limit the consequences of HEPA filter failure.				X	Based on BIO Sec. 5.3.2.2 & 5.3.2.20, the TSR control is adequate to safely control the facility.
WHC-SD-WM-OSR-016	SR 3.4.1.2a	Maintaining the airflow rate at or above a minimum level minimizes the potential for gas buildup in the tank.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Verify air flow rate > or = 400 CFM for Tank 101-SY primary tank exhaust ventilation system. 7 days.	4	None	There is no corresponding TSR control.				X	This control is included in LA-UR-92-3196 as a Level II control for mixer pump operation. LA-UR-92-3196 is the Authorization Basis for flammable gas mitigation in 101-SY, and will not be superseded by the BIO/TSR.
WHC-SD-WM-OSR-016	SR 3.4.1.2b	Maintaining the airflow rate at or below a maximum level minimizes the potential for the surface of the crust to become dried out, causing it to react more readily or become harder to fracture during a GRE.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Verify air flow rate < or = 700 CFM for Tank 101-SY primary tank exhaust ventilation system. 7 days.	4	None	There is no corresponding TSR control.				X	This control is included in LA-UR-92-3196 as a Level II control for mixer pump operation. LA-UR-92-3196 is the Authorization Basis for flammable gas mitigation in 101-SY, and will not be superseded by the BIO/TSR.
WHC-SD-WM-OSR-016	SR 3.4.1.3	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform an in-place filter leak test and ventilation balance on the exhaust ventilation system for each primary tank. 365 days.	3	LCO 3.2.1	The TSR control requires operability of a ventilation system for prevetion of a flammable gas deflagration (one identified cause of overpressurization), but does not require a filter leak test or ventilation balance.			OSD 7		The TSR controls, with other controls identified in BIO Section 5.3.2.2, adequately prevent the release of airborne contamination due to tank pressurization. The current control will be kept for Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.4.1.4	Protect against a release of radioactive material to the environment produced from a tank pressurization.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST of differential pressure instrumentation on the exhaust ventilation system for each primary tank. 365 days.	1	AC 5.19, LCO 3.1.4	TSR AC 5.19 does not specifically list any SSCs. Ventilation system differential pressure instrumentation is necessary for shutdown of the ventilation system on CAM actuation, as required by TSR LCO 3.1.4, so by inference is included in AC 5.19.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	SR 3.4.2.1	Detect releases from the exhaust stack and prompt initiation of manual protective actions to mitigate the accident.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Verify CAM is operable. 36 hours.	3	SR 3.1.4.1	TSR requires functional test and verification that the CAM interlock system is operable, every 92 days.				X	92 day frequency is based on manufacturers' recommendations and normal industrial practice for instrumentation.
WHC-SD-WM-OSR-016	SR 3.4.2.2	Detect accident releases and initiate protective actions to mitigate the accidents.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs, when the associated primary tank exhaust ventilation system is OPERABLE and operating.	Perform FUNCTIONAL TEST on each primary tank exhaust stack radiation monitoring and alarm system. 365 days.	1	SR 3.1.4.1	TSR requires functional test of the CAM interlock system every 92 days.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-OSR-016	SR 3.4.3.1	Ensure the source term inventory in a hypothetical filter rupture accident is maintained.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY radiation levels for each primary tank exhaust ventilation system is within specified limits: a. Prefilter housing radiation level < 100 mrem/h, and b. First stage HEPA filter housing radiation level < 200 mrem/h. 7 days.	3	AC 5.18.2	TSR limit is < = 200 mrem/h for prefilter and HEPA filter housings; frequency not specified.				X	The TSR control is consistent with the source term inventory assumed in the accident analyzed in Section 5.3.2.2 of the BIO.
WHC-SD-WM-OSR-016	SR 3.5.1.1	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	VERIFY annulus ventilation system air exhaust flow rate for each tank's CAM OPERABILITY. 92 days.	3	SR 3.2.6.1	TSR control requires FUNCTIONAL TEST of either the annulus CAM or the conductivity probe system, every 182 days. Note that the TSR definition of OPERABLE includes parameters necessary for operation are within limits, and support systems are operable.			Functional Test Procedure		Verification of the annulus exhaust flow rate is part of determining OPERABILITY of the annulus CAM, and is appropriately addressed as part of the Functional Test Procedure. Frequency is based on operating experience & the maintenance recall system.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.5.1.2	Although not expressly identified, many event sequences (in WHC-SD-HS-SAR-010) assume the detection of leakage from the primary tank and list features and measures which rely on knowledge that a leak exists.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST on primary tank leak detection systems for each tank. 184 days.	3	SR 3.2.6.1	TSR control requires FUNCTIONAL TEST of either the annulus CAM or the conductivity probe system, every 182 days.				X	The TSR control is consistent with TSR LCO 3.2.6, which requires only one, not both, systems to be OPERABLE. This provides adequate protection against the accidents for which the TSR control is identified, and provides environmental compliance.
WHC-SD-WM-OSR-016	SR 3.5.2.1	Detect leaks from tank annulus.	OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES for DSTs.	Perform FUNCTIONAL TEST on leak detection systems for each leak detection pit. 365 days.	4	None	There is no corresponding TSR control.			Instrument Calibration Documents		Detection of leakage from secondary tank isn't reqd for mitigation of any accident analyzed in the BIO, & is not required as a TSR-level control per DOE Orders 5480.22 & 23. Control will be retained in Inst. Calibration Docs to ensure Env. compliance.
WHC-SD-WM-OSR-016	SR 3.6.1.1	Detect primary confinement (pipeline) failures.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Perform FUNCTIONAL TEST on transfer-associated conductivity probe leak detection systems. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	3	SR 3.1.3.1	TSR control applies to leak detectors in pits and boxes, not encasements, and prevents formation of surface pools. TSR recognizes that not all encased lines have leak detectors, & that leak detection in the pits is adequate for the safety function.			Instrument Calibration Documents		Leak detectors in pits and boxes fulfill the safety function of preventing surface pools, per the analysis in BIO Section 5.3.2.18. Encasement leak detector reqmt will be retained in Instrument Calibration Documents to ensure Environmental compliance.
WHC-SD-WM-OSR-016	SR 3.6.1.1	Detect the liquid portion of aerosol leaks which may occur from pumps and jumpers.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those conductivity probe leak detection systems associated with the transfer.	Perform FUNCTIONAL TEST on transfer-associated conductivity probe leak detection systems. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	4	None	There is no corresponding TSR control. Note that TSR SR 3.1.3.1 requires functional testing of leak detectors in pits and boxes, not encasements; but for a different basis.			Instrument Calibration Documents		The spray leak accident is adequately mitigated by numerous TSR controls. The TSR specifies testing of pit leak detectors for other accidents. Testing of encasement leak detectors will be retained as (non-AB) defense-in-depth and environmental controls.
WHC-SD-WM-OSR-016	SR 3.6.2.1	Support detection of primary confinement (pipeline) failures.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those air purge leak detection systems associated with the transfer.	Perform FUNCTIONAL TEST on transfer-associated air purge leak detection systems. Once within 92 days prior to transfer AND every 92 days after that until the transfer is completed.	4	None	There is no corresponding TSR control. Air purge leak detection systems are associated with piping encasements, which are not credited by the TSR for accident mitigation.			Instrument Calibration Documents		Leak detectors in process pits, diversion boxes, vault pits cleanout boxes fulfill the safety function of preventing surface pools, per analysis in BIO Section 5.3.2.18; however control will be retained in Instr. Cal. Docs to ensure Env. compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-OSR-016	SR 3.6.3.1	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
WHC-SD-WM-OSR-016	SR 3.6.3.1	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	OPERATION and RESTRICTED tank MODES for DSTs during a WASTE transfer, for those COBs, pits and boxes associated with the transfer.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated COBs, pits, and boxes. Once within 72 hours prior to transfer AND every 72 hours thereafter (permanent covers); every 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-SAD-035	NA	NA	RMCS in Flam Gas SSTs	A Safety Assessment of Rotary Mode Core Sampling in Flammable Gas Single Shell Tanks: Hanford Site, Richland, WA.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
WHC-SD-WM-SAD-036	NA	NA	Salt Well Pumping in 241-A-101	A Safety Assessment (SA) for Salt Well Jet Pumping Operations in Tank 241-A-101, Hanford Site, Richland Washington.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
WHC-SD-WM-SAR-027	NA	NA	Grout Facility	Hazards Identification and Evaluation Report for the Operation of the Grout Facilities and Near Surface Disposal of Grouted Phosphate/Surface Low Level Liquid Waste.	6	NA	This document is outside the scope of the BIO/TSR, and will not be superseded at this time. Therefore, its controls do not require disposition.	X				The document is not in the scope of the BIO/TSR, and will therefore be retained in its entirety as an AB document following implementation of the BIO/TSR.
WHC-SD-WM-SAR-033	11.5.1 (1)		These systems in the 241-A-350 Lift Station Facility: ventilation systems & equipment; radiation shielding structures & features; structures & partitions which serve to contain radioactive contamination; installed radiation detection & alarm systems.	Modifications to systems and equipment in the applicable categories shall be reviewed and approved by responsible operating management, Process Control Engineering, the safety organization, and Quality Assurance, before being implemented.	3	BIO Section 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO. Approval of Safety and QA are not specifically called out, but is a lower level requirement.			HNF-IP-0842		BIO Sections 4.15 is sufficient for safely controlling the facility; however the control will be retained in HNF-IP-0842 to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-033	11.6.4 (1)		Unusual events in the operations of the 241-A-350 Lift Station Facility.	If operations take place outside the bounds of these OSRs, the operations shall immediately cease or be curtailed, as appropriate. Rockwell Hanford Operations management shall be notified promptly of the violations and shall, in turn, notify DOE-RL.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-033	11.6.4 (2)		Unusual events in the operations of the 241-A-350 Lift Station Facility.	In the event of other unusual or unplanned events as defined by RHO-MA-221, "Accident Prevention Standards, Volume 1 and 2" actions to be taken shall be as specified.	2	AC 5.4, AC 5.5	This control is being replaced by new programs that meet the intent of this requirement. TSR ACs 5.4 and 5.5 address responses and reporting requirements for unusual and unplanned events.				X	The BIO/TSR controls cover the same subject matter and meet the intent of the current control.
WHC-SD-WM-SAR-033	11.6.4 (3.1)		Unusual events in the operations of the 241-A-350 Lift Station Facility.	The area manager shall be promptly notified and will, in turn, notify the managers of Tank Farm Processing Operation, Tank Farm Processing Operation, Tank Farm and Evaporator Process Control, and Radiological Protection.	3	AC 5.5, AC 5.6	The TSR controls require notification of DOE and contractor management, and establishment of lines of communication between management levels, but do not include the level of detail provided by the SAR control.			HNF-IP-0842		The TSR control is written at the appropriate level of detail for an AB control. Details of the notification process for an unusual event are in HNF-IP-0842.
WHC-SD-WM-SAR-033	11.6.4 (3.2)		Unusual events in the operations of the 241-A-350 Lift Station Facility.	Reporting to DOE-RL shall be in accordance with established procedures in RHO-MA-221 and ERDA-MC-0502.	2	AC 5.4, AC 5.5	This control is being replaced by new programs that meet the intent of this requirement. TSR AC 5.4, AC 5.5 specify requirements for unusual event reporting.				X	The BIO/TSR controls cover the same subject matter and meet the intent of the current control.
WHC-SD-WM-SAR-033	AC 11.6.2(1)	Criticality prevention.	All operations involving radioactive materials in the 241-A-350 Lift Station Facility.	The Research and Engineering Function shall prepare, release, control and maintain operating procedures.	3	BIO Sec. 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-033	AC 11.6.2(2)		All operations involving radioactive materials in the 241-A-350 Lift Station Facility.	Procedure approvals shall include: Tank Farm & Evaporator Process Control; responsible Production Operations function; QA; and Health, Safety, and Environment.	3	BIO Sec. 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-033	AC 11.6.2(3)		All operations involving radioactive materials in the 241-A-350 Lift Station Facility.	Operating procedures shall be reviewed by the Research and Engineering function every 30 months, not to exceed 33 months. If changes are required, a revised procedure shall receive the above formal approvals.	3	BIO Sec. 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-033	AC 11.6.3	Complies with requirements of DOE Order 5480.1 and ARH-951	Personnel conducting operations with radioactive materials in the 241-A-350 Lift Station Facility.	Employees shall be trained in the basics of the process, system design, and construction , as appropriate, system operation, and emergency procedures and response.	3	BIO Sec. 4.11and 4.13	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-033	Design Feature 11.5.1 (2)	ERDA MC 0531 Requirement.	These systems in the 241-A-350 Lift Station Facility: ventilation systems & equipment; radiation shielding structures & features; structures & partitions which serve to contain radioactive contamination; installed radiation detection & alarm systems.	Any modification judged to represent a USQ or to involve a change in the OSR of this document shall be the subject of supplement to, or revision to the safety analysis report, which shall be approved prior to implementation of the modification.	3	BIO Sec. 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.1	Complies with requirements of DOE Order 5480.1	All operations involving the storage tanks listed in Table 11-2 during stabilization operations.	R&E shall prepare, release, control and maintain operating procedures. New and revised procedures shall be approved by Tank Farm & Evaporator Process Control, Production OPS, QA, and HS&E. Procedures shall be reviewed by R&E every 36 months.	3	BIO Sec. 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.3	Complies with requirements of DOE Order 5480.1 and ARH-951	All personnel conducting operations involving the storage tanks listed in Table 11-2 during stabilization operations.	Employees shall be trained in the basics of the processes, system design and construction, as appropriate, system operation, and emergency procedures and response.	3	BIO Sec. 4.11and 4.13	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.4	Complies with requirements of DOE Order 5480.1 and ERDA MC 4204	Periodic appraisals, reviews, and audits of operations involving the storage tanks listed in Table 11-2 during stabilization operations.	The appropriate safety committee, as provided for in RHO-MA-100, shall be responsible for performing an annual audit of the operations of the applicable tanks to verify compliance with these OSRs during stabilization operations.	3	BIO Section 4.12	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5a	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	If operations take place outside the bounds of these OSRs, which includes the specified recovery action to be taken when an OSR is violated, operations shall immediately cease or be curtailed as appropriate.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5b	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	Rockwell management shall be notified promptly of the violations and shall, in turn, notify DOE-RL.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5c	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	An investigation shall be made and a complete analysis of the circumstances leading up to, and resulting from, the situation with recommended actions to prevent recurrence, shall be formally reported to DOE-RL.	1	AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5d	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	In the event of other unusual or unplanned events as defined by RHO-MA-221, actions to be taken shall be as specified.	2	LCO 3.0.7, AC 5.4, AC 5.5	This control is being replaced by new programs that meet the intent of this requirement. TSR LCO 3.0.7 and ACs 5.4 and 5.5 address responses and reporting requirements for unusual and unplanned events.				X	The current control references a document that has been obsolete for many years. The BIO/TSR controls cover the same subject matter and meet the intent of the current control.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5e	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	The following notification shall be per established Rockwell and DOE-RL procedures. The area manager shall be promptly notified and will, in turn, notify the managers of TFPO, Tank Farm and Evaporator Process Control, and Radiological Protection.	3	AC 5.5, AC 5.6	The TSR controls require notification of DOE and contractor management, and establishment of lines of communication between management levels, but do not include the level of detail provided by the SAR control.			HNF-IP-0842		The TSR control is written at the appropriate level of detail for an AB control. Details of the notification process for an unusual event are in HNF-IP-0842.
WHC-SD-WM-SAR-034 Rev 0	AC 11.6.5f	Complies with requirements of DOE Order 5480.1 and RHO-MA-221	Unusual events in the operations of the storage tanks listed in Table 11-2 during stabilization operations.	Reporting to DOE-RL shall be per established procedures in RHO-MA-221 and DOE Order 5480.1 Ch IV.	2	LCO 3.0.7, AC 5.4, AC 5.5	This control is being replaced by new programs that meet the intent of this requirement. TSR LCO 3.0.7 and ACs 5.4 and 5.5 address responses and reporting requirements for unusual and unplanned events.				X	The current control references a document that has been obsolete for many years. The BIO/TSR controls cover the same subject matter and meet DOE requirements.
WHC-SD-WM-SAR-034 Rev 0	AC 5.1(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The purpose of the ACs is to state the provisions relating to organization and management, procedures, record keeping, review and audit, and reporting necessary to ensure operation of the Tank Farms in a safe manner.	1	AC 5.1.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.1(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Except as noted below, these ACs are applicable for all tanks in the Aging Waste Facility (AWF), Double Shell Tank Farms (DSTFs), and Single Shell Tank Farms (SSTFs) during all MODES (OPERATION, STANDBY, REPAIR and RESTRICTED MODES).	2	AC 5.1.2	The 4-mode system has been replaced by a 2-mode system (TSR Section 1.6) that doesn't include a Restricted Mode.				X	AC 5.1.2 is sufficient to safely control the facility and meets the intent of the existing control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.12 (ECN 619396)	Provide all requirements for controlling the amount, form, and distribution of fissile material that is discharged to and stored in the Tank Farms; and stipulate reqmts for staffing, analytical support, operation, record keeping, and reporting.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements to prevent nuclear criticality in the Tank Farms.	1	AC 5.7.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.12.a (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	Transfers to tanks shall be restricted to plutonium (Pu) concentrations that are <0.0133 g Pu/L.	3	AC 5.7.2	TSR specifies Pu concentrations < 0.04 g/L for transfers from non-tank farm facilities.				X	The TSR limit is appropriate, based on the analysis in BIO Section 5.3.2.1.
WHC-SD-WM-SAR-034 Rev 0	AC 5.12.b(2) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	No additional fissile material shall be added to any tank that currently has an inventory >25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-SAR-034 Rev 0	AC 5.12.c (ECN 619396)	Criticality prevention.	Tank 241-SY-102	The operational limit for tank 102-SY shall be <= 125 kg Pu, and <= 2 g Pu/L in the solids.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-SAR-034 Rev 0	AC 5.13 (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A radiation protection program shall be established to implement the DOE radiation protection requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.15 (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to determine tanks for placement on or removal from the Watch List & to administratively control activities associated with those tanks, & shall include criteria for placing a tank on or removing it from the WATCH LIST.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.15(1) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WATCH LIST program shall include special sampling and monitoring requirements and frequencies.	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.15(2.a) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that, (1) no safer alternative than adding such WASTE to the tank currently exists, or [see control AC 5.15(2.b)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.15(2.b) (ECN 619396)	Public Law 101-510, Section 3137	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	No add'l high-level WASTE (except analysis samples) shall be added to a Watch List Tank unless the Sec. of the DOE determines that the tank does not pose a serious potential for release of high-level nuclear WASTE, or [see control AC 5.15(2.a)].	4	None	There is no corresponding TSR control.			OSD 30		This control is in place to ensure compliance with Public Law 101-510. It is not an Authorization Basis level control, but will be retained in the OSD to ensure compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.2 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Westinghouse Hanford Company (WHC), the Operations and Engineering contractor of facilities at the Hanford Site is responsible to the Department of Energy (DOE) for the safe operation of the DOE-owned AWF, DSTFs, and SSTFs.	1	AC 5.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.24 (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide excavation permits within the Tank Farms.	1	AC 5.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.24(a) (ECN 612685)	Reduce risk of excavation-related leaks.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The excavation program shall require permits for a) The movement of earth by mechanical means below existing grade; b) Any hand-digging to a depth greater than 1 ft. c) Any excavation (mechanical or hand-digging) below grade in known contamination areas.	3	AC 5.17	The TSR control requires excavation permits for excavations in areas where underground waste transfer lines exist (i.e., 200 East Area, 200 West Area, right-of-way for the cross-site transfer line), but does not specify "known contamination areas."				X	The TSR control is appropriate for protection against excavation-related leaks from transfer lines.
WHC-SD-WM-SAR-034 Rev 0	AC 5.3(1) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The contractor is responsible for ensuring that the requirements of the Operational Safety Requirements (OSRs) are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.3(2) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by operating within the SLs; operating within the LCOs, LCSs and the associated SRs during their Applicability; operating within the ACTIONS of LCOs and LCSs when required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.3(3) (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Compliance shall be demonstrated by performing all SRs as required, establishing and maintaining the required ACs, and maintaining required DESIGN FEATURES.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.30.2(1) (ECN 612684)	N/A	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to ensure that WASTE transfers into SSTs do not occur.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.30.2(2) (ECN 612684)	Helps to ensure that transfers to SSTs do not occur	All tanks in the SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The WASTE transfer program shall include a system which will control the removal of blanks from lines to active transfer facilities.	1	AC 5.12.2	The TSR transfer system configuration management controls require sealing of nozzles to prevent misroutes of waste.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.1 (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	OSR violation occurs if: 1)A SL is exceeded 2)Failure to take action in time upon: Exceeding a LCS Failure to meet an LCO Failure to successfully meet a SR 3)Failure to perform a SR within the required time. 4)Failure to comply with an AC req	1	AC 5.4.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Place the affected tank(s) in a safe and stable condition.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.b (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.c (ECN 612683)	Implements DOE Order 5000.3B reporting requirements	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an Occurrence Report in accordance with DOE Order 5000.3B (DOE 1993).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Perform and document a technical evaluation of the SL VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to restart.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Prepare an OSR RECOVERY PLAN.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.2.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a VIOLATION of an SL occurs, proceed as follows: Obtain DOE Program Manager (PM) or designated representative approval prior to returning the affected tank(s) to the OPERATION MODE.	1	AC 5.4.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.a (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.b (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.c (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.d (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.e (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.f (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0	AC 5.4.3.g (ECN 612683)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0	AC 5.6 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	All proposed revisions to the OSRs shall be submitted to the DOE for approval prior to implementation of the revision. Such submittals shall include the bases for the proposed revision.	3	AC 5.2.1, BIO Section 4.15	TSR requires contractor to maintain current DOE-approved TSRs as a controlled document. BIO addresses approval and revision of technical baseline documents. Neither the BIO nor the TSR provides the level of detail of the OSR control.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 5.7 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Waivers may be granted per OSR 005 to suspend various portions of the OSR when necessary for performance of special activities such as acceptance testing or process testing. Waivers shall be approved by the same process as a revision to the OSRs.	3	BIO Sec. 4.15	Waivers are not addressed in the BIO or TSR. All changes to the documents are controlled through the ECN process, addressed programmatically in BIO Section 4.15.				X	All changes, permanent or temporary, are implemented by the ECN process per the configuration management program addressed in BIO Section 4.15. Waivers are not used.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.2 (1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The number of certified operators available shall be adequate to operate and support each Tank Farm Facility safely.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.2 (2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement per shift shall be 1 certified shift manager (normally shared with 242-A), and 6 certified shift operators (normally shared within TF facilities; not required to be continuously at a specific TF.	3	Table 5.6-1	TSR requires 1 shift mgr/OPS engr, 5 nuclear operators, and 2 HPTs, for both OPERATION and LIMITED MODES.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.2 (3) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	The minimum complement can be 1 less for a period of time not to exceed 2 hours, to accommodate unexpected absences.	3	AC 5.6.1.2	TSR allows 1 person less than the minimum complement for up to 4 hours.				X	The TSR shift complement is sufficient for safe operation based on the TSR suite of controls.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.2 (4) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	Facility specific certified engineers, supervisors or managers may be substituted for facility specific certified operators during abnormal operations, e.g., labor strikes.	1	AC 5.6.1.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the requirements to train and certify personnel performing or supporting specific Tank Farm operations.	3	BIO Sec. 4.11	There is no corresponding TSR control, however training is addressed programmatically in the BIO.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.4(1) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to provide approved and controlled procedures for operation, maintenance, testing, abnormal/emergency activities, alarm response, and criticality safety analyses.	3	BIO Sec. 4.11	Procedure development and approval is addressed programmatically in the BIO, and specific ACs require procedures where applicable.			HNF-IP-0842		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). It is addressed programmatically in BIO section 4.11, and will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.4(2) (ECN 612685)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain operating and safety documentation current, as necessary to facilitate safe operation of each specific Tank Farm.	3	AC 5.2.1, BIO Sec. 4.15	TSR AC 5.2.1 states that the contractor is responsible for maintaining the current DOE-approved TSRs as a controlled document. Configuration management is addressed programmatically in BIO Section 4.15..			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.6 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to maintain compliance between the facility specific OSRs and the OSRs of interfacing facilities through the use of approved procedures. The program shall include interfacing equipment operability requirements.	3	AC 5.6.1.1	Per TSR, Facility Mgr responsibility includes interface requirements with other onsite organizations and facilities; no specific requirements addressed.				X	The TSR control provides the appropriate level of detail for an AB control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	AC 5.8.7 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established that requires the MODE status of each Tank Farm to be documented and maintained current.	4	None	There is no corresponding TSR control.			HNF-IP-0842		All TSR controls apply during both modes (OPERATION and LIMITED); therefore tracking of modes is not required as an AB control. The requirement will be retained as a Conduct of Operations requirement.
WHC-SD-WM-SAR-034 Rev 0	AC 5.9.3 (ECN 619396)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A Plant Review Committee, established under separate authority, shall review & approve OSR RECOVERY PLANS developed in response to entering RESTRICTED MODE; Corrective Action Plans developed in response to OSR VIOLATIONs; & shall review USQs.	3	AC 5.4; BIO Section 4.17	TSR violations are addressed in AC 5.4. The responsibilities of the Plant Review Committee are addressed in the BIO. Neither document provides the same level of detail as the OSR control.				X	OSR violations are covered in AC 5.4 of the TSRs. The remainder of this control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5).
WHC-SD-WM-SAR-034 Rev 0	Design Features 11.5.1a		Ventilation systems, tank vents & equipment, radiation shielding structures & features, structures & partitions that contain radioactive contamination, installed radiation detection & alarm systems, blanked/capped lines & nozzles for tanks in Table 11-2.	Modifications to systems, equipment, and facilities in the applicable categories shall be reviewed and approved by responsible operating management safety organizations and QA before being implemented.	3	BIO Sections 4.12, 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO. Approval of Safety and QA are not specifically called out, but is a lower level requirement.			HNF-IP-0842		BIO Sections 4.12 and 4.15 are sufficient for safely controlling the facility; however the control will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-SAR-034 Rev 0	Design Features 11.5.1b		Ventilation systems, tank vents & equipment, radiation shielding structures & features, structures & partitions that contain radioactive contamination, installed radiation detection & alarm systems, blanked/capped lines & nozzles for tanks in Table 11-2.	Any modifications judged to represent a USQ or to involve a change in the OSR shall be the subject of supplement or revision to the safety OSR document, which shall be approved per RHO-MA-100 and by DOE prior to implementation of the modification.	3	BIO Sec. 4.17, TSR Appendix B	The USQ process is not a TSR control, but is addressed in BIO Section 4.17. TSR Appendix B lists BIO/TSR design features. Each item from the SAR list of design features is a BIO safety SSC or a TSR design feature, or is addressed in a TSR AC.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0	Design Features 11.5.2		SSTs equipped with salt wells and operated during stabilization (listed in Table 11-2 of this SAR).	Procedures shall be implemented to control the amount of soil cover, and live or equipment loads on the tank dome.	1	AC 5.16.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	LCO 3.2.1 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Single Shell Tank (SST) WASTE temperature monitoring system shall be OPERABLE and WASTE temperature shall be maintained < = 300 F. Applies to High Heat tanks.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			OSD 13 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
WHC-SD-WM-SAR-034 Rev 0	LCO 3.6.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0	LCO 3.6.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for transfer-associated equipment and structures (such as, clean out boxes (COBs), pits, vaults, Double Contained Receiver Tanks (DCRTs), catch tanks, and boxes) shall be installed.	3	LCO 3.1.1, AC 5.20.2	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-SAR-034 Rev 0	SL 2.2 (ECN 612684)	Prevent excessive thermal stresses to primary tank and prevent structural degradation of concrete.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	The WASTE temperature in each Single Shell Tank (SST) shall be maintained < = 350 F.	4	None	There is no corresponding TSR control. Note that TSR SL 2.1.1 provides a waste temperature control for prevention of a chemical runaway reaction, but not for protection of the tank structure.			OSD 13 (Just add note that temp limit protects tank structure).		Temperature ctrls for tank structure are not required for safety, based on analysis in BIO Sec. 5.3.2.13. TSR has temp controls that are more restrictive to protect against other accidents. Control will be retained in OSD to ensure Environ. compliance.
WHC-SD-WM-SAR-034 Rev 0	SR 11.4.3	Detection of tank leak.	Applies during stabilization operations to those SSTs equipped with salt wells and operated during stabilization (listed in Table 11-2 of this SAR).	Dry well monitoring of all of the applicable tanks shall be taken and recorded per frequencies specified in RHO-CD-213.	4	None	There is no corresponding TSR control.			OSD 13		Detection of leakage from the SST is not reqd for mitigation of any accident analyzed in the BIO, & is not required as a TSR-level control per DOE Orders 5480.22 & 23. The control will be retained in the OSD to ensure Environmental compliance.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0	SR 11.4.4	Advance warning against tank dome collapse.	SSTs equipped with salt wells and operated during stabilization (listed in Table 11-2 of this SAR).	Tank dome deflection measurements shall be taken and recorded at least once every 2 years for all of the applicable tanks, except for those equipped with air-lift circulators. For such tanks, tank dome deflection measurements shall be taken annually.	4	None	There is no corresponding TSR control.			HNF-IP-1266		The current requirements are not needed as AB-level controls, based on the analysis in BIO Section 5.3.2.13, but will be retained to protect the tanks from structural damage that could affect tank farm program objectives.
WHC-SD-WM-SAR-034 Rev 0	SR 3.2.1.1 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	VERIFY each HIGH HEAT SST WASTE temperature is within limits. 31 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (SR 3.3.1.1) for prevention of tank bump, but not for preservation of structural integrity.				X	Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13. A more restrictive control is required for another reason by TSR SR 3.3.1.1.
WHC-SD-WM-SAR-034 Rev 0	SR 3.2.1.2 (ECN 612684)	Ensure that the structural integrity of the tanks will be preserved during the life of the tanks.	HIGH HEAT (> 40,000 BTU/hr) SSTs in the OPERATION, STANDBY, REPAIR and RESTRICTED tank MODES. (NOTE: HIGH HEAT SSTs are the only tanks with enough heat generating capacity to exceed SL 2.2).	Perform FUNCTIONAL TEST on each SST WASTE temperature monitoring system. 92 days.	4	None	There is no corresponding TSR control. Note that a similar requirement exists in the TSR (AC 5.19, LCO 3.3.1) for prevention of tank bump, but not for preservation of structural integrity.			Instrument Calibration Documents		Temperature controls to protect the tank structure are not required for safety, based on the analysis in BIO Section 5.3.2.13; however the control will be retained to prevent tank bump and to ensure Environmental compliance.
WHC-SD-WM-SAR-034 Rev 0	SR 3.6.1.1 (ECN 612683)	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND, during transfer, once per 72 hours (permanent covers); once per 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
WHC-SD-WM-SAR-034 Rev 0	SR 3.6.1.1 (ECN 612683)	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	VERIFY covers are installed and secured in accordance with operating procedures on transfer-associated structures. Once within 72 hours prior to transfer AND, during transfer, once per 72 hours (permanent covers); once per 12 hours (temp covers).	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.3a	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	The contractor is responsible for ensuring that the requirements of the SST OSRs are met.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.3b	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	OSR compliance is demonstrated by: Operating within the SLs; the LCOs, LCSs and associated SRs during applicability; the ACTIONs of LCOs and LCSs when required. Performing all SRs, establishing/maintaining ACs, maintaining DESIGN FEATURES as required.	1	AC 5.3.1		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.1a	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	OSR violations include: Exceeding a SL; Failure to take action after exceeding a LCS or failing to meet an LCO or SR; Failure to perform a SR within the required time; Failure to comply with an AC requirement; Failure to comply with an OSR recovery plan.	3	AC 5.4.1	TSR does not include failure to comply with a recovery plan as a TSR violation.				X	The TSR definition of OSR violations meets the requirements of DOE-STD-3009-94 and DOE Order 5480.22.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.1b	Implements DOE Order 5000.3B reporting requirements	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	OSR violations shall be reported to DOE in accordance with DOE 5000.3b (see AC 5.5).	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.1	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Place the affected tank(s) in a safe and stable condition.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.2	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Initiate actions within 1 hour to place the tank(s) in RESTRICTED MODE within 24 hours.	3	AC 5.4.2, AC 5.4.3	The TSR controls require placing the unit in the most safe and stable condition attainable, immediately upon violation of an SL or LCO/LCs. No similar requirement applies to AC or SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.

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A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.3	Implements DOE Order 5000.3B reporting requirements	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Notify the DOE of the VIOLATION in accordance with DOE Order 5000.3B.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.4	Implements DOE Order 5000.3B reporting requirements	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an Occurrence Report in accordance with DOE Order 5000.3B.	1	AC 5.4.2, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.5	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Perform and document a technical evaluation of the LCO VIOLATION to determine if any damage may have occurred and evaluate the capacity of the affected tank(s) to be returned to OPERATION MODE.	3	AC 5.4	TSR requires this evaluation for SL, LCO/LCS and AC violations, but not for SR violations.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.6	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Prepare an OSR RECOVERY PLAN.	3	AC 5.4	TSR does not require preparation of a recovery plan for an SR violation. Instead, an evaluation is required to determine whether the LCO is met; if not, LCO actions are entered. If the LCO Actions are not met, a recovery plan is prepared.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.4.2.7	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	If a violation of an LCO/LCS, SR, or AC occurs, Advise DOE of the status of the corrective actions and the results of the technical evaluation (if applicable) prior to returning the tank to the OPERATION MODE.	3	AC 5.4.3, AC 5.4.5	The TSR controls require preparation and submittal to DOE of a recovery plan describing the steps leading to compliance after violation of an LCO/LCS or an AC. Does not apply to SR violations.				X	The TSR reflects a graded approach for securing facilities and for notification in the event of a TSR violation. This is sufficient for controlling the facilities.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.5.1	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	Reports required per DOE 5000.3b include: Any deviation from the SST OSRs pursuant to LCO 3.0.5; Exceedance of an SL; Failure to meet an LCO/LCS and its associated actions, or an SR, or to implement required actions; or to comply with an AC requirement.	1	AC 5.5.3		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.5.2	N/A	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	Reports in addition to those required by DOE 5000.3b must be made within 24 hours for: 1. Any implementation of SR 3.0.3 2. Any implementation of LCO 3.0.3.	3	AC 5.4, AC 5.5	The TSR requires notification to DOE of TSR violations, but does not specify the 24 hour time limit.				X	TSR controls are consistent with the requirements of DOE Order 5480.22.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.5.3	Implements DOE Order 5000.3B reporting requirements	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	Unplanned entry into Actions statement is a reportable condition. Planned entry into ACTIONS statements to perform surveillances, maintenance, or investigation of operational problems is not reportable.	1	AC 5.5.4, AC 5.5.5	TSR AC 5.5.4 states that failure of safety SSCs and process parameters discovered to be outside LCO limits are reportable. These conditions are equivalent to unplanned entry into ACTIONS statements.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.6	Assure chemical and radiochemical compatibility of the waste	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	A program shall be established to evaluate and ensure chemical and radiochemical compatibility of SST transferred WASTE with the receiving tank material and any WASTE already contained in the receiving tank.	1	AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.6a	Assure chemical and radiochemical compatibility of the waste	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	The (compatibility) program shall include material balances and sampling.	3	AC 5.12.2	The TSR control requires evaluation of the final state of the sending and receiving tanks, but does not specify the method of evaluation. The material balances required by the TSR refer to volumetric comparisons, not waste compatibility evaluation.			HNF-IP-1266		This requirement will be included in the details of the program, but is not required as a key element. (Program key elements are AB-level controls; programmatic detail is not).
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.6b	Assure chemical and radiochemical compatibility of the waste	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	The (compatibility) program shall include periodic evaluation of tank WASTE compatibility.	1	AC 5.8, AC 5.12.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.6c	Assure chemical and radiochemical compatibility of the waste	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	The (compatibility) program shall include procedures for evaluating chemical inventories of the waste to be transferred. If the radionuclide concentrations in the waste to be transferred exceed the limits in Table 6-2, GENII analyses must be performed.	3	AC 5.12.2, AC 5.8.2	The TSR requires verification that planned changes to source inventories are within the bounding concentrations used in the BIO analyses, and evaluation to ensure the use of proper controls for post-transfer conditions. It does not specify GENII analyses.				X	The BIO/TSR adequately fulfills the purpose of this control, with details appropriate to an AB-level control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.6c ref Table 6-2	Assure chemical and radiochemical compatibility of the waste	All SSTs during all tank MODES (i.e., OPERATION, STANDBY, REPAIR, and RESTRICTED tank MODES).	Radionuclides Concentration (Ci/L): SR-90 9 E+00 Y-90 9 E+00 Tc-99 9 E-06 Ru-106 2 E-09 Cs-137 3 E-02 Pu-239 6 E-03 Pu-240 1 E-03 Am-241 3 E-03	2	AC 5.12.2, AC 5.8.2	The TSR requires verification that planned changes to source inventories are within the bounding applicable concentrations in SARRs used in the BIO analyses, and evaluation to ensure the use of proper controls for post-transfer conditions.				X	The intent of this control is fully met by the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	A program shall be established to complete a visual surveillance of OGT to discover leaks and pooling as follows: pump rate >15 gpm, <=60 gpm: every 30 minutes pump rate > 5 gpm, <15 gpm: every 2 hours pump rate <=5 gpm: every 6 hours.	2	AC 5.12.2	The OSR requirement for an OGT line leak monitoring program is based on an assumption that both the OGT primary line and encasement will break. The TSR control provides preventive measures to protect against damage to the line.			HNF-IP-1266 (Retain a requirement for daily visual inspections and welding inspections).		The TSR control adequately protects against WASTE leaks from an OGT line to the ground, but requirement for daily visual inspections and welding inspectons will be added to programmatic detail to ensure compliance with environmental requirements.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7a	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	The OGT line leak monitoring program shall include procedures for recovery, if limits are exceeded (table delineating action completion times when flowrate >60 gpm).	2	AC 5.12.2	The OSR requirement for an OGT line leak monitoring program is based on an assumption that both the OGT primary line and encasement will break. The TSR control provides preventive measures to protect against damage to the line.				X	The TSR control adequately protects against WASTE leaks from an OGT line to the ground.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7b	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	The OGT line leak monitoring program shall include instructions for nighttime pumping.	2	AC 5.12.2	AC 5.12 applies to both daytime and nighttime pumping.				X	The TSR control adequately protects against WASTE leaks from an OGT line to the ground.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7c	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	The OGT line leak monitoring program shall include notification requirements.	2	AC 5.5, and AC 5.14.2	The TSR controls address notification requirements, but not specifically as part of an OGT line leak monitoring program.				X	The TSR control adequately protects against WASTE leaks from an OGT line to the ground. Notifications are made via AC 5.5 and AC 5.14.2.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7d	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	The OGT line leak monitoring program shall include confirmation that pit covers are installed.	1	SR 3.1.1.1	The TSR control requires verification that transfer system covers are operable for all active transfer systems (overground and underground). The TSR control is not located in an OGT line leak monitoring program.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	AC 11.5.7e	This control protects assumptions in the accident analysis for a pool leak during transfer.	SSTs in the OPERATION tank MODE while performing OGTs. WASTE transfer activities are not allowed in other tank MODES.	The OGT line leak monitoring program shall include consideration of measures that will reduce observer exposure to ALARA levels.	3	AC 5.24.2, BIO Sec. 4.4	TSR AC 5.24.2 requires a radiological protection program, as described in BIO Section 4.4. The BIO section references several documents that implement ALARA requirements.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

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WHC-SD-WM-SAR-034 Rev 0-A	AC 5.11 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	A program shall be established to implement the DOE requirements for the USQ process.	3	BIO Section 4.17	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-034 Rev 0-A	AC 5.12.b(1) (ECN 619396)	Criticality prevention.	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED. Does not apply to 241-SY-102 or to the sluicing of tank 241-C-106 to tank 241-AY-102 under Project W-320.	The operational limit for all DSTs shall be < = 25 kg Pu equivalent.	4	None	There is no corresponding TSR control.				X	This control is no longer required, based on the analysis in BIO Section 5.3.2.1. Note that the Criticality USQ, which required this control, has been closed.
WHC-SD-WM-SAR-034 Rev 0-A	AC 5.14 (ECN 612684)	N/A	All tanks in the AWF, DST farms and SST farms, during all modes: OPERATION, STANDBY, REPAIR and RESTRICTED.	An effluent monitoring and sampling program shall be established to implement the DOE effluent monitoring and sampling requirements.	1	AC 5.24.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	LCO 11.3.1	Ensure that doses calculated for a WASTE transfer line leak will be within the risk acceptance guidelines established in WHC-CM-4-46.	While performing OGTs from SSTs in the OPERATION tank MODE	OGT flow rates shall be < or = 60 gallons per minute while performing transfers from single or multiple SSTs and flow monitor(s) shall be operable.	2	LCO 3.1.3, AC 5.12.2	OSR control is based on controlling flow rate to limit accident consequences. TSR control limits consequences by taking credit for secondary containment and leak detection.				X	The TSR controls provide adequate protection against consequences of OGT leak to the ground.
WHC-SD-WM-SAR-034 Rev 0-A	LCO 11.3.2		While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Covers for clean out boxes (COBs), pits, and boxes associated with a given transfer activity shall be installed and remain in place while the transfer is performed.	1	LCO 3.1.1, AC 5.20.2, AC 5.22.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-034 Rev 0-A	SR 11.3.1.1	Ensure that doses calculated for a WASTE transfer line leak will be within the risk acceptance guidelines established in WHC-CM-4-46.	While performing OGTs from SSTs in the OPERATION tank MODE	Verify Transfer flow rate < or = 60 gpm. Frequency is per AC 11.5.7.	2	LCO 3.1.3, AC 5.12.2	OSR control is based on controlling flow rate to limit accident consequences. TSR control limits consequences by taking credit for secondary containment and leak detection.				X	The TSR control provides adequate protection against consequences of OGT leak to the ground.

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WHC-SD-WM-SAR-034 Rev 0-A	SR 11.3.1.2	Ensure that doses calculated for a WASTE transfer line leak will be within the risk acceptance guidelines established in WHC-CM-4-46.	While performing OGTs from SSTs in the OPERATION tank MODE	Verify flow meters operable. Once per shift.	2	LCO 3.1.3, AC 5.12.2	OSR control is based on controlling flow rate to limit accident consequences. TSR control limits consequences by taking credit for secondary containment and leak detection.				X	The TSR control provides adequate protection against consequences of OGT leak to the ground.
WHC-SD-WM-SAR-034 Rev 0-A	SR 11.3.2.1	Covers for COBs, pits and boxes serve to provide some mitigation during aerosol spray leak events by removing a fraction of the aerosols.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Verify covers are installed on each transfer-associated equipment, within 1 hour prior to transfer.	3	AC 5.22.2, SR 3.1.1.1	TSR requires verification of cover block operability once within 72 hours prior to removing an administrative lock from a PHYSICALLY CONNECTED WASTE transfer pump and once per 10 days thereafter. Also requires mgmt approval before cover can be removed.				X	The 10 d verification reqmt is sufficient to ensure that covers are in place during pumping. Normal daily status meetings, shift turnover routines, & job control approval processes for moving covers will suffice for transfers of shorter duration.
WHC-SD-WM-SAR-034 Rev 0-A	SR 11.3.2.1	The covers are required to be installed as part of conductivity probe leak detection system OPERABILITY when transferring WASTE to ensure timely detection of any leakage.	While performing transfers from SSTs in the OPERATION and RESTRICTED tank MODES.	Verify covers are installed on each transfer-associated equipment, within 1 hour prior to transfer.	3	AC 5.22.2, SR 3.1.1.1	The BIO/TSR requires cover installation for confinement of transfer system spray leaks as noted in BIO Sections 5.3.2.18 and 5.3.2.20, but not to ensure transfer leak detection system operability.				X	Cover operability is required for all transfers by the listed TSR controls, and therefore is not required as a separate control in a non-AB document.
WHC-SD-WM-SAR-040	AC 5.3.5.1.3	Complies with requirements of Chapter V of DOE Order 5480.1	Waste solution transfers into, out of, and through the 204-AR facility.	Nuclear CPS shall be prepared and approved for any operation in the facility involving fissile material. The CPS shall be reviewed every 2 years (not to exceed 30 months) for continued adequacy and applicability. Revised CPSs must receive formal approval.	3	AC 5.7.2, BIO Section 1.3.4, BIO Section 4.3	TSR requires CPSs but does not specify review and revision requirements. The BIO annual update will include criticality controls and will drive revision of CPSs if required. Criticality protection is also addressed as part of the SMP.			Safety Management Program		Maintenance of the CPSs will be addressed as appropriate as part of the Safety Management Program.
WHC-SD-WM-SAR-040	AC 5.3.5.2.3	Complies with requirements of DOE Order 5480.1A	All operations involving radioactive materials in the 204-AR facility.	The R&E function shall prepare, release, control and maintain operating procedures. New and revised procedures shall be approved by the author, Production OPS, QA, and HS&E. Procedures shall be reviewed by R&E every 36 months, not to exceed 40 months.	3	BIO Sec. 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-040	AC 5.3.5.3.3	Enhances personnel protection	All activities involving radioactive materials.	All work performed with radioactive materials shall be in accordance with a RWP. The RWP shall be approved by the managers of Radiological Protection and Tank Farm Services, or their delegates. RWPs are reviewed and reissued every 24 (NTE 27) months.	3	AC 5.24.2, BIO Sec. 4.4	TSR AC 5.24.2 requires a radiological protection program, as described in BIO Section 4.4, which references several implementing documents that provide details of the preparation and use of RWPs.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SAR-040	AC 5.3.5.4.3	Complies with requirements of PST-T-151-00008 and AEC-MC-4204	Personnel conducting operations with radioactive materials in the 204-AR facility.	Employees shall be trained in the basics of the processes, system design and construction as appropriate, system operation, and emergency procedures and response.	3	BIO Sec. 4.11 and 4.13	There is no corresponding TSR control, however this function is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-040	AC 5.3.5.5.3a	Audits are management tools to assure compliance with the OSR	OSRs in this SAR as specified in Sections 5.3.1 through 5.3.5, which define the conditions, safe boundaries and bases therefore, with the management controls to assure the safe operation of the 204-AR facility.	Audits to determine compliance with OSRs shall be performed at least semiannually. Responsibility for audits of specific OSRs is shown in Table 5-1. Internal and/or third-party audits, reviews, inspections for other programs may be used in this audit.	3	AC 5.3 and BIO Chapter 4	TSR compliance is generally addressed in AC 5.3, and audits are addressed programmatically in the BIO.			HNF-IP-1266		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Audit requirements will be addressed in the program document, HNF-IP-1266.
WHC-SD-WM-SAR-040	AC 5.3.5.5.3b	Audits are management tools to assure compliance with the OSR	OSRs in this SAR as specified in Sections 5.3.1 through 5.3.5, which define the conditions, safe boundaries and bases therefore, with the management controls to assure the safe operation of the 204-AR facility.	Documented summaries of evaluations and inspections performed during the audit shall be reported to the Rockwell General Manager and to the directors, department, and appropriate group managers of HS&E, Production OPS, QA, and R&E.	3	AC 5.3 and BIO Chapter 4	TSR compliance is generally addressed in AC 5.3, this control is addressed programmatically in the BIO.			HNF-IP-1266		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23. Audit requirements will be addressed in the program document, HNF-IP-1266.
WHC-SD-WM-SAR-040	AC 5.3.5.6.3a	Complies with requirements of DOE Order 5484.1	Unusual events in the operations of the 204-AR facility.	If operations take place outside the bounds of these OSRs, which includes the specified recovery action to be taken when an OSR is violated, operations shall immediately cease or be curtailed as appropriate.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-040	AC 5.3.5.6.3b	Complies with requirements of DOE Order 5484.1	Unusual events in the operations of the 204-AR facility.	Rockwell management shall be notified promptly of the violations and shall, in turn, notify DOE-RL.	1	AC 5.4, AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-040	AC 5.3.5.6.3c	Complies with requirements of DOE Order 5484.1	Unusual events in the operations of the 204-AR facility.	An investigation shall be made and a complete analysis of the circumstances leading up to and resulting from the situation, with recommended actions to prevent recurrence, shall be formally reported to DOE-RL.	1	AC 5.5		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-SAR-040	AC 5.3.5.6.3d	Complies with requirements of DOE Order 5484.1	Unusual events in the operations of the 204-AR facility.	In the event other unusual or unplanned events occur, as defined by Standard No. 32, RHO-MA 221, actions to be taken shall be as specified in Standard No. 32. Notification shall be per established Rockwell and DOE-RL procedures.	2	LCO 3.0.7, AC 5.4, AC 5.5	This control is being replaced by new programs that meet the intent of this requirement. TSR LCO 3.0.7 and ACs 5.4 and 5.5 address responses and reporting requirements for unusual and unplanned events.				X	The current control references a document that has been obsolete for many years. The BIO/TSR controls cover the same subject matter and meet the intent of the current control.
WHC-SD-WM-SAR-040	AC 5.3.5.6.3e	Complies with requirements of DOE Order 5484.1	Unusual events in the operations of the 204-AR facility.	The area manager shall be promptly notified and will, in turn, notify the managers of Tank Farm Services, Tank Farm and Evaporator Process Control, and the responsible department of HS&E. Reporting to DOE-RL shall be in accordance with DOE Order 5484.1.	3	AC 5.5, AC 5.6	The TSR controls require notification of DOE and contractor management, and establishment of lines of communication between management levels, but do not include the level of detail provided by the SAR control.			HNF-IP-0842		The TSR control is written at the appropriate level of detail for an AB control. Details of the notification process for an unusual event are in HNF-IP-0842.
WHC-SD-WM-SAR-040	Design Features 5.3.4.3a		204-AR ventilation system and equipment, radiation shielding structure and features, structures and equipment which serve to contain radioactive contamination, and installed radiation detection and alarm systems.	Modifications to systems and equipment in the applicable categories shall be reviewed and approved by responsible operating management, the safety organization, and QA before being implemented.	3	BIO Sections 4.12, 4.15	There is no corresponding TSR control, however this function is addressed programmatically in the BIO. Approval of Safety and QA are not specifically called out, but is a lower level requirement.			HNF-IP-0842		BIO Sections 4.12 and 4.15 are sufficient for safely controlling the facility; however the control will be retained in HNF-IP-0842 to ensure Environmental compliance.
WHC-SD-WM-SAR-040	Design Features 5.3.4.3b		204-AR ventilation system and equipment, radiation shielding structure and features, structures and equipment which serve to contain radioactive contamination, and installed radiation detection and alarm systems.	Any modification judged to represent a USQ or to involve a change in the OSR of this document shall be subject to supplement or revision of the SAR, which shall be approved per Rockwell Policy and/or by DOE, prior to implementation of the modification.	3	BIO Sec. 4.17, TSR Appendix B	The USQ process is not a TSR control, but is addressed in BIO Section 4.17. The BIO/TSR does not address the 204 AR ventilation system and equipment, or the installed radiation detection and alarm systems other than the ventilation exhaust CAM.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program. The TSR list of safety SSCs and design features is appropriate for the BIO.
WHC-SD-WM-SAR-040	LCO 5.3.2.1.3	Minimize corrosion of tank and piping.	Transfer of radioactive waste solutions from the 204-AR Waste Unloading Facility to underground waste storage tanks.	A pH of > or = 12 is required for radioactive waste solutions passing through the 204-AR facility.	4	None	There is no corresponding TSR control. Note there is a requirement for pH > = 8 for waste received from non-tank farm facilities (TSR AC 5.8), but that is a criticality control, not for preventing corrosion.			OSD 8		BIO assumes corrosion will occur. Consequences of failure due to corrosion are addressed by TSR controls (e. g., LCOs 3.1.1, 3.1.3, 3.2.6). Tank leaks have been analyzed & don't exceed risk guidelines; corrosion requirements are addressed in the OSD.

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WHC-SD-WM-SAR-040	LCO 5.3.2.2.3	Prevent aerosols from exiting facility.	204-AR exhaust system final filter bank.	All air exhausted from the EF-1 stack shall pass through at least one stage of HEPA filtration rated at an efficiency of 99.95% or more for particles greater than 0.3 microns whenever operations involving radioactive solutions are conducted in 204-AR.	4	None	There is no corresponding TSR control.			OSD 8		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-SAR-040	LCO 5.3.2.3.3	Identify radioactive emissions, warn of deteriorating filter efficiencies, and confirm compliance w/release limits.	Continuous stack sampler in EF-1 exhaust stack at the 204-AR Facility.	Air in the stack shall be sampled for particulate activity. The sampler shall continuously collect samples which shall be analyzed for gross beta/gamma. Record samples shall be taken on a weekly frequency not to exceed 7 working days and be analyzed.	3	LCO 3.1.4, AC 5.24, BIO Section 4.6	TSR LCO 3.1.4 requires only CAM alarm and interlock actuation on failure of the HEPA filter. AC 5.24 and BIO Section 4.6 require effluent controls and environmental monitoring.			Safety Management Program		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the SMP to ensure Environmental compliance.
WHC-SD-WM-SAR-040	LCO 5.3.2.4.3	Prevent overflow of catch tank during transfer.	204-AR catch tank liquid level monitoring instrumentation and valve interlocks.	High liquid level detection capability shall be provided on the 204-AR catch tank. At a setpoint < = 90% of vessel capacity, interlocks shall be automatically activated, closing valves in the transfer line from the tank car to the collection tank.	2	LCO 3.1.3, AC 5.8.2, AC 5.12.2	LCO 3.1.3 would detect tank overflows (the catch tank is in a pit with a leak detector). AC 5.8.2 limits the consequences of a leak by controlling the waste volume received in 204-AR. AC 5.12.2 requires monitoring of catch tank levels during transfers.			OSD 8		BIO Sec. 5.3.2.6 assumes an entire railcar is spilled, which has a greater volume than the tank. Dose consequences don't exceed risk guidelines, so level control is not reqd for safety; however the control will be retained in the OSD to ensure Env. comp.
WHC-SD-WM-SAR-040	LCO 5.3.2.5.3		204-AR fixed CAM/samplers in the unloading area, the change room, the control room, the mechanical equipment room. Radiation monitors in the unloading area balcony and the main floor.	Radiation field measurement capability and air monitoring/sampling capability shall be provided in those areas where personnel are present and there exists a potential for release of radioactivity or personnel exposure to high radiation fields.	3	AC 5.24.2, BIO Sec. 4.4	TSR AC 5.24.2 requires a radiological protection program, as described in BIO Section 4.4. The BIO section references several implementing documents that provide details of area monitoring requirements.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SAR-040	SL/LCS 5.3.1.1.3		Transfer of radioactive waste solutions from the 204-AR Waste Unloading Facility to the underground waste storage tank.	The average plutonium concentration in waste solutions routed from the 204-AR facility to waste storage tanks shall be < 0.01 grams/gallon per tank car load.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-040	SL/LCS 5.3.1.2.3a	Detect unfiltered release.	CAM and associated alarm on EF-1 exhaust stack at the 204-AR Facility.	Gases in the facility exhaust stack shall be monitored continuously for gross beta/gamma activity.	1	LCO 3.1.4	TSR requires continuous monitoring while the ventilation system is operating.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SAR-040	SL/LCS 5.3.1.2.3b	Detect unfiltered release.	CAM and associated alarm on EF-1 exhaust stack at the 204-AR Facility.	The monitor shall provide visual and audible alarms at release concentrations as low as possible without resulting in an excessive number of alarms due to normal fluctuations in background or in releases (usually four times background).	3	LCO 3.1.4	TSR requires actuation of interlock to limit unfiltered release, with actuation point of 10,000 cpm.			OSD 8		Based on BIO Sec. 5.3.2.2 & 5.3.2.20, the TSR control is adequate to safely control the facility; however the control will be retained in the OSD to ensure Environmental compliance.

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WHC-SD-WM-SAR-040	SL/LCS 5.3.1.2.3c	Detect unfiltered release.	CAM and associated alarm on EF-1 exhaust stack at the 204-AR Facility.	The alarm levels shall not exceed 4 mpc-hr, an emission equivalent to Table II DOE concentration guides (DOE 5480.1A, Ch XI) for 4 hours for the most restrictive nuclide present in the effluent (Sr-90).	3	SR 3.1.4.1, AC 5.24, BIO Section 4.6	The TSR SR requires a CAM interlock setpoint of < = 10,000 cpm, based on normal operating practice. This is not consistent with the DCG values in DOE 5400.5, which superseded DOE 5480.1A Ch. XI. AC 5.24 and BIO Sec. 4.6 require effluent controls.			Safety Management Program		The TSR control is reasonable for mitigation of the accidents analyzed in BIO Sections 5.3.2.2 and 5.3.2.20. Actual setpoints are lower, as stated in the TSR control basis. The SAR control will be retained in the SMP to ensure Environmental compliance.
WHC-SD-WM-SAR-040	SR 5.3.3.1.3	Prevent aerosols from exiting facility.	HEPA filters in the EF-1 exhaust system at the 204 AR Facility.	HEPA filters shall be tested using standard techniques following replacement & annually thereafter. A filter with a demonstrated efficiency < 99.95% shall be replaced before work involving radioactive material is performed in the area the filter serves.	4	None	There is no corresponding TSR control.			OSD 8		This control is not required as a TSR-level control per DOE Orders 5480.22 and 5480.23, but will be retained in the OSD to ensure Environmental compliance.
WHC-SD-WM-SAR-040	SR 5.3.3.2.3	Detect unfiltered release.	CAM and associated alarm on EF-1 exhaust stack at the 204-AR Facility.	The monitor and alarm for the applicable exhaust stack shall be functionally tested monthly not to exceed 45 days with a sealed radioactive source.	2	SR 3.1.4.1	TSR requires functional test of the CAM interlock system every 92 days.				X	92 day frequency is based on manufacturers' recommendations and normal industrial practice for instrumentation.
WHC-SD-WM-SAR-040	SR 5.3.3.3.3	Prevent overflow of catch tank.	204-AR catch tank high liquid level alarm and associated valve closures.	The high level liquid alarm and associated valve shall be functionally tested on a 6 month frequency, not to exceed 9 months.	2	LCO 3.1.3, AC 5.8.2, AC 5.12.2	LCO 3.1.3 would detect tank overflows (the catch tank is in a pit with a leak detector). AC 5.8.2 limits the consequences of a leak by controlling the waste volume received in 204-AR. AC 5.12.2 requires monitoring of catch tank levels during transfers.			OSD 8		BIO Sec. 5.3.2.6 assumes an entire railcar is spilled, which has a greater volume than the tank. Dose consequences don't exceed risk guidelines, so level control is not reqd for safety; however the control will be retained in the OSD to ensure Env. comp.
WHC-SD-WM-SAR-040	SR 5.3.3.4.3	Detect unexpected high radiation fields and airborne radioactive particles.	Fixed radiation monitors and CAM/samplers specified in OSR 5.3.2.5 at the 204-AR Facility.	The monitors on the fixed continuous air samplers in the unloading area, change room, operations room and radiation monitors on the unloading area balcony and main floor shall be functionally tested monthly (not to exceed 45 days) with a sealed source.	3	AC 5.24.2, BIO Sec. 4.4	TSR AC 5.24.2 requires a radiological protection program, as described in BIO Section 4.4. The BIO section references several implementing documents that provide details of area monitoring instrument control requirements.			Safety Management Program		The BIO/TSR addresses the current control at the appropriate level of detail for an AB control. Detailed requirements will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SARR-001	8.1(1)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	The headspace air in tank C-103 shall be monitored on a semiannual cycle to verify that combustible concentrations are at or below 25% of the lower flammability level, or (see controls 8.1(2.1) and 8.1(2.2)).	3	AC 5.11	The TSR requires flammable gas monitoring prior to and during manned or waste disturbing activities, but does not require monitoring on a regular cycle. Note: Flammable gas deflagration is a potential initiator of an organic solvent fire.				X	Flammable gas monitoring is not identified in BIO Section 5.3.2.15 as a control for the prevention of organic solvent fires. The monitoring required by TSR AC 5.11 is sufficient to protect against flammable gas deflagrations that could cause such a fire.

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WHC-SD-WM-SARR-001	8.1(2.1)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Tank C-103 shall be vented directly to the atmosphere through its own breather vent and (see control 8.1(2.2)).	3	LCO 3.2.3	Although BIO Section 5.3.2.15, Organic Solvent Fire, does not identify this control as a necessary TSR, it lists it as a key assumption important to accident consequences. TSR LCO 3.2.3 includes this control for flammable gas deflagration prevention..				X	LCO 3.2.3 is adequate for protecting the key assumption from BIO Section 5.3.2.15.
WHC-SD-WM-SARR-001	8.1(2.2)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Combustible concentrations in tank C-103 shall be monitored on an annual cycle to verify that combustibles remain at or below 25% of the LFL, or (see control 8.1(1)).	3	AC 5.11	The TSR requires flammable gas monitoring prior to and during manned or waste disturbing activities, but does not require monitoring on a regular cycle. Note: Flammable gas deflagration is a potential initiator of an organic solvent fire.				X	Flammable gas monitoring is not identified in BIO Section 5.3.2.15 as a control for the prevention of organic solvent fires. The monitoring required by TSR AC 5.11 is sufficient to protect against flammable gas deflagrations that could cause such a fire.
WHC-SD-WM-SARR-001	8.2(1.a)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Fire, flaming objects or hot materials (T > 120 degrees C) shall not be permitted in the vicinity of an open riser with "in the vicinity" being defined as having a credible chance that the prohibited material could enter the tank through an open riser.	3	AC 5.10.2	TSR allows flame cutting/welding in a tank with a potential organic solvent hazard, with written authorization from the PHMC president AND a barrier or device to prevent hot metal/slag from falling on the WASTE surface . TSR control excludes SY-101.		Apply the TSR control to SY-101, or justify the exclusion stated in TSR 5.10.3.			TSR control provides adequate protection against an organic solvent fire, based on the analysis in BIO Section 5.3.2.15, except that the BIO analysis includes SY-101 in the tanks requiring controls, and the TSR excludes that tank.
WHC-SD-WM-SARR-001	8.2(1.b)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	The prohibited materials do not include small filaments included in lighting or electronic equipment because such filaments are both small and enclosed within solid boundaries.	1	AC 5.10.2, BIO Section 5.3.2.15	Equipment with hot filaments was evaluated and determined not to be a credible initiator of an organic solvent fire. (Ref. CN-032).	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-001	8.2(2)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Electrical equipment used in tank C-103, such as flood lights and cameras, shall be suspended by electrical supply cords whose length is too small to permit the equipment or its supply cord from approaching within 5 ft of the pool surface.	4	None	There is no corresponding TSR control. Note a similar control is included in TSR AC 5.10, but applies to tanks with a potential organic salt-nitrate hazard.				X	Electrical equipment was evaluated and determined not to be a credible initiator of an organic solvent fire (reference BIO Section 5.3.2.15, Calc. Note 32).
WHC-SD-WM-SARR-001	8.2(3.a)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Porous materials which could serve as wicks for a wick-stabilized flame shall be prevented from entering the tank. This prohibition does not apply to equipment or processes that may be used to remove the organic liquid.	4	None	There is no corresponding TSR control.				X	The potential hazard of introduced porous materials serving as wicks was evaluated and determined not to be credible (reference BIO Section 5.3.2.15).

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WHC-SD-WM-SARR-001	8.2(3.b)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	The risk posed by wick-stabilized fires must be evaluated for any removal process that employed porous wick-like materials.	4	None	There is no corresponding TSR control.				X	The potential hazard of introduced porous materials serving as wicks was evaluated and determined not to be credible (reference BIO Section 5.3.2.15).
WHC-SD-WM-SARR-001	8.2(4)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Waste surface level (organic or aqueous) shall be monitored.	4	None	There is no corresponding TSR control. Note that TSR ACs 5.12.2, 5.15.2, and 5.21.2 require level monitoring for other reasons.				X	Level monitoring is not required for safety as a control for organic solvent fires, based on the analysis in BIO Section 5.3.2.15, but is a TSR control for prevention of several other accidents. It will not be retained as a separate non-AB requirement.
WHC-SD-WM-SARR-001	8.2(5)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Vehicles operating at grade level over tank C-103 must employ fuels or fuel tank protection that greatly reduces the chance for an accident in which ignitable liquid fuel could enter the tank. Acceptable controls include any of 8.2(5a), (5b) or 5(c).	1	AC 5.10.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-001	8.2(5a)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Vehicle controls that have been evaluated as acceptable include: The vehicle must be propane fueled.	1	AC 5.10.2	The TSR does not include propane fueled vehicles as an acceptable control; therefore the TSR is more conservative than the SARR.	X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-001	8.2(5b)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Vehicle controls that have been evaluated as acceptable include: The vehicle must have a protective plate (skid plate) protecting the fuel tank and any reservoir tanks from contacting risers protruding above grade.	1	AC 5.10.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-001	8.2(5c)	Prevent organic solvent fire.	Tank 241-C-103 (organic solvent tank)	Vehicle controls that have been evaluated as acceptable include: The fuel tank (and any reservoir tank) must be physically located at a height greater than the highest riser that would impact a tank located at a lower level.	3	AC 5.10.2	The TSR control allows vehicles with reservoir tanks physically located higher than risers or vehicle axles.				X	The slight increase in risk has been considered and is acceptable.
WHC-SD-WM-SARR-003	5.1.1 (1)	Criticality prevention.	One CSER for SSTs; one CSER for DSTs.	Revised criticality safety evaluation reports will be prepared and issued.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.1.1 (3)	Criticality prevention.	All Hanford Site high-level waste tanks.	The CSERs will define specific criticality limits and controls.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

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WHC-SD-WM-SARR-003	5.1.2	Criticality prevention.	All Hanford Site high-level waste tanks.	Criticality prevention specifications (CPSs) will be developed from the CSERs.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.1.3 (1)	Criticality prevention.	All Hanford Site high-level waste tanks.	Operational controls will be identified and implemented to ensure that the waste tanks are operated and maintained within the criticality safety basis.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.1.3 (2)	Criticality prevention.	All Hanford Site high-level waste tanks.	Any changes in the waste tank facility or operations will be evaluated to ensure that the proposed changes do not invalidate assumptions used in this safety assessment.	1	AC 5.8.2, BIO Section 4.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.1.3 (3)	Criticality prevention.	All Hanford Site high-level waste tanks.	Proposed operational process changes that are not part of normal tank farm operations will be screened against the authorization basis, which will include this safety assessment, by the USQ screening process.	1	AC 5.8.2, BIO Section 4.17		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.2.1 (1)	Criticality prevention.	All Hanford Site high-level waste tanks.	The subcritical nature of the waste tanks will be maintained by controlling the composition and properties of the waste (i.e., "new" waste from facilities that generate fissile material bearing waste) before receipt in the waste tanks.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.2.1 (2)	Criticality prevention.	All Hanford Site high-level waste tanks.	All waste to be sent to the waste tanks from waste generators will be sampled and analyzed before shipment. Prior to authorization to ship, the sample data must meet established criticality safety criteria.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.2.1 (2.1)	Criticality prevention.	All Hanford Site high-level waste tanks.	The criticality safety criteria shall include the following condition: The pH of discharged waste will be controlled to ensure alkalinity.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.2.1 (2.2)	Criticality prevention.	All Hanford Site high-level waste tanks.	The criticality safety criteria shall include the following condition: The concentration of fissile material will be less than the minimum critical concentration for an infinite system.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.2.1 (2.3)	Criticality prevention.	All Hanford Site high-level waste tanks.	The criticality safety criteria shall include the following condition: The mass ratio of solids to fissionable isotopes will be greater than the minimum mass ratio that can be made critical in an infinite system.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SARR-003	5.2.2 (1)	Criticality prevention.	All Hanford Site high-level waste tanks.	Analysis of waste samples taken from the waste tanks shall include parameters to verify compliance with applicable criticality safety limits.	4	None	There is no corresponding TSR control; however control is addressed appropriately in the CPS. Note the SARR control applies to existing waste in the tank farm inventory, not to new waste from outside generators.			CPS		The analysis in BIO Section 5.3.2.1 concluded that a criticality accident in a waste tank is not credible without the addition of new waste to the tank farm inventory. The requirement will be addressed at the CPS level.
WHC-SD-WM-SARR-003	5.2.2 (1.1)	Criticality prevention.	All Hanford Site high-level waste tanks.	The following tank waste parameter will be measured, unless an evaluation has been made to show that it is not needed: pH of the waste.	3	AC 5.7.2 and AC 5.12	The TSR controls specify pH limits only for waste to be transferred from facilities outside the tank farms. Note the SARR control applies to existing waste in the tank farm inventory, and is appropriately addressed in the CSERs and CPSs.			CSERs, CPSs		The analysis in BIO Section 5.3.2.1 concluded that criticality in a waste tank is not credible; the TSR controls are sufficient to protect the analysis key assumptions. The TSR requires CSERs and CPSs to include criticality limits and controls.
WHC-SD-WM-SARR-003	5.2.2 (1.2)	Criticality prevention	All Hanford Site high-level waste tanks.	The following tank waste parameter will be measured, unless an evaluation has been made to show that it is not needed: concentrations of the following components, as applicable--plutonium, uranium, and heavy metals: iron, manganese, chromium or nickel.	3	AC 5.7.2	The TSR AC specifies limits on concentrations of the listed components only for new waste from outside tank farms. Note the SARR control applies to existing waste in the tank farm inventory, and is appropriately addressed in the CSERs and CPSs.			CSERs, CPSs		The analysis in BIO Section 5.3.2.1 concluded that criticality in a waste tank is not credible; the TSR controls are sufficient to protect the analysis key assumptions. The TSR requires CSERs and CPSs to include criticality limits and controls.
WHC-SD-WM-SARR-003	5.2.2 (1.3)	Criticality prevention.	All Hanford Site high-level waste tanks.	The following tank waste parameter will be measured, unless an evaluation has been made to show that it is not needed: specific gravity.	4	None	There is no corresponding TSR control; however control is addressed appropriately in the CPS. Note the SARR control applies to existing waste in the tank farm inventory, not to new waste from outside generators.			CSERs, CPSs		The analysis in BIO Section 5.3.2.1 concluded that a criticality accident in a waste tank is not credible without the addition of new waste to the tank farm inventory. The requirement will be addressed at the CPS level.
WHC-SD-WM-SARR-003	5.2.2 (1.4)	Criticality prevention.	All Hanford Site high-level waste tanks.	The following tank waste parameter will be measured, unless an evaluation has been made to show that it is not needed: total solids density.	4	None	There is no corresponding TSR control; however control is addressed appropriately in the CPS. Note the SARR control applies to existing waste in the tank farm inventory, not to new waste from outside generators.			CSERs, CPSs		The analysis in BIO Section 5.3.2.1 concluded that a criticality accident in a waste tank is not credible without the addition of new waste to the tank farm inventory. The requirement will be addressed at the CPS level.
WHC-SD-WM-SARR-003	5.2.2 (2)	Criticality prevention.	All Hanford Site high-level waste tanks.	Sample results and other related data (e.g., waste volume) will be maintained in a readily accessible, auditable form and retained in accordance with DOE Order 1324.2A, Records Disposition.	3	BIO Section 4.12	There is no corresponding TSR control, however this fuction is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SARR-003	5.3.1 (1)	Criticality prevention.	All Hanford Site high-level waste tanks.	If the sample analysis of incoming waste does not meet the criticality safety criteria for discharged waste, changes to the waste form will be made at the generator facility until the waste meets the requirements.	1	AC 5.7.2		X				The current control is fully incorporated in the BIO/TSR, and therefore is no longer needed as a separate control.
WHC-SD-WM-SARR-003	5.3.1 (2)	Criticality prevention.	All Hanford Site high-level waste tanks.	In the rare case where the proposed waste transfer may not meet the criticality safety criteria, the waste transfer activity must be evaluated per the USQ process.	3	BIO Sec. 4.17	There is no corresponding TSR control, however this fuction is addressed programmatically in the BIO.			Safety Management Program		This control is not required as a TSR-level control per DOE Order 5480.22 Section 9.e(5). Programmatic details of this item will be addressed in the Safety Management Program described in Chapter 4 of the BIO.
WHC-SD-WM-SARR-003	5.3.1 (4)	Criticality prevention.	All Hanford Site high-level waste tanks.	Only after completion of the USQ process, where it has been determined that the waste to be received conforms to the prescribed criticality safety criteria, will authorization be given to transfer the waste.	2	AC 5.7, AC 5.12 and BIO Sec. 4.17	This function is addressed programmatically in the BIO and through the noted ACs.				X	This control is addressed in AC5.7, AC 5.12 and BIO Section 4.17.
WHC-SD-WM-SARR-003	5.3.2(a)	Criticality prevention.	All Hanford Site high-level waste tanks.	If a sample analysis of the waste tanks indicates possible failure to meet the criticality safety criteria, the following actions will be taken: First, the appropriate personnel will be notified immediately.	3	AC 5.5, AC 5.7, BIO Section 4.17	AC 5.7 requires CSERs, CPSs, and procedures for recovery from CPS nonconformance, but does not specify the contents of those documents. AC 5.5 addresses occurrence reporting. BIO Section 4.17 addresses the USQ process.			CPSs		The analysis in BIO Section 5.3.2.1 concluded that criticality in a waste tank is not credible; the TSR controls are sufficient to protect the analysis key assumptions. The TSR requires CSERs and CPSs to include criticality limits and controls.
WHC-SD-WM-SARR-003	5.3.2(b)	Criticality prevention.	All Hanford Site high-level waste tanks.	If a sample analysis of the waste tanks indicates possible failure to meet the criticality safety criteria, the following actions will be taken: Second, the sample will be evaluated to determine the quality of the waste sample and the sample analysis.	3	AC 5.5, AC 5.7, BIO Section 4.17	AC 5.7 requires CSERs, CPSs, and procedures for recovery from CPS nonconformance, but does not specify the contents of those documents. AC 5.5 addresses occurrence reporting. BIO Section 4.17 addresses the USQ process.			CPSs		The analysis in BIO Section 5.3.2.1 concluded that criticality in a waste tank is not credible; the TSR controls are sufficient to protect the analysis key assumptions. The TSR requires CSERs and CPSs to include criticality limits and controls.
WHC-SD-WM-SARR-003	5.4 (2)	Criticality prevention.	All Hanford Site high-level waste tanks.	This new tank sample data will be used to verify compliance with the criticality limits and controls.	4	None	There is no corresponding TSR control; however control is addressed appropriately in the CPS.			CPS		The analysis in BIO Section 5.3.2.1 concluded that a criticality accident in a waste tank is not credible without the addition of new waste to the tank farm inventory. The requirement will be addressed at the CPS level.

Table A-1. Disposition of Current Authorization Basis Controls

A. CURRENT AB REFERENCE	B. CURRENT CONTROL	C. CURRENT CONTROL BASIS	D. CURRENT CONTROL APPLICABILITY	E. CURRENT CONTROL DESCRIPTION	F. MAP	G. BIO/TSR CONTROL	H. COMMENTS	I. FULLY INC. IN POST-BIO AB	J. NOT FULLY INC. IN POST-BIO AB; RETAIN AS AB CONTROL	K. NOT FULLY INC. IN POST-BIO AB; RETAIN AS NON-AB REQMT	L. NOT FULLY INC. IN POST-BIO AB; NO LONGER NEEDED	M. JUSTIFICATION FOR DISPOSITION OF CURRENT CONTROL
WHC-SD-WM-SARR-038	5.4	NA	Ferrocyanide hazards associated with tanks 241-BY-103, BY-104, BY-105, BY-106, BY-107, BY-108, BY-110, BY-111, BY-112, C-108, C-109, C-111, C-112, T-107, TX-118, TY-101, TY-103, and TY-104.	All ferrocyanide tank wastes meet safe criteria through inherent waste properties, and cannot support a sustained, rapid exothermic (propagating) reaction. Therefore, temperature and moisture controls are not required.	5	NA	No controls were found in this document.				X	This document is superseded as an AB document by the BIO/TSR.

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