

WP 04-AD.02

Revision 0

Technical Safety Requirements Surveillance Program

Cognizant Department: Site Operations and Disposal

Approved by: Hardy Bellows

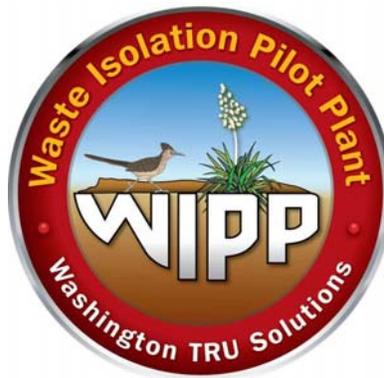


TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	RESPONSIBILITIES.....	2
2.1	Site Operations and Disposal Manager	2
2.2	LCO Coordinator.....	2
2.3	Work Window Coordinator/Work Control Schedulers	2
2.4	Hoisting Operations, Underground Services, Waste Handling Operations, Facility Operations, Maintenance, and Emergency Services	3
2.5	Facility Shift Manager	3
3.0	GENERAL GUIDANCE FOR SURVEILLANCES	3
4.0	ESTABLISHING SURVEILLANCES IN CHAMPS	4
4.1	Scheduling Frequency	4
4.2	Grace Periods and Drop Dead Dates	4
4.3	Surveillance Change.....	5
4.4	Scheduling, Issuing, and Tracking Periodic TSR Surveillances	5
5.0	SURVEILLANCE PROCEDURE DEVELOPMENT.....	8
6.0	OVERSIGHT	9
7.0	RECORDS.....	9
8.0	REFERENCES	9
	ATTACHMENT 1 – SAMPLE LISTING OF UPCOMING SURVEILLANCES	12
	ATTACHMENT 2 – LCO SURVEILLANCE CHANGE REQUEST	16
	ATTACHMENT 3 – SURVEILLANCE EQUIVALENCY	17

1.0 INTRODUCTION

This document establishes the process for developing, scheduling, and performing the surveillances associated with Limiting Conditions for Operations (LCOs) and Administrative Controls (ACs) identified in DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements* [TSRs], and the retention of the documentation associated with those LCO-related surveillances.

The surveillance requirements (SRs) for TSRs are implemented through various WIPP procedures and maintenance work instructions (MWIs) identified in WP 04-AD3001, Facility Mode Compliance, and documented on EA04AD3001-SR series forms. The SRs are performed by Facility Operations, Underground Services, Waste Handling Operations, Hoisting Operations, Emergency Services, and Maintenance. The Facility Shift Manager (FSM) approves the completed EA04AD3001-SR series forms.

The text and Table 1.3-1, below, are extracted from the WIPP TSRs and identify the nomenclature for the type of surveillance and the FREQUENCY:

For SRs, the FREQUENCY requirement is extended to 1.25 times the specified interval. This extension applies only to the FREQUENCY specification for SRs and does not apply to the completion time requirement for LCO ACTION statements. The time extension is intended to provide operational flexibility for completion of SRs. It should not be relied upon as a routine extension of the specified interval. Dates and times that LCO SRs are performed shall be documented. Failure to complete the SR within the specified FREQUENCY (see Table 1.3-1), as qualified in the table notes, SHALL constitute an LCO violation.

From DOE/WIPP 07-3373 - Table 1.3-1, Surveillance Requirement FREQUENCY

Notation	Frequency	Frequency +25%
EACH SHIFT (Note 1)	12 hours	15 hours
DAILY (Notes 1 and 2)	24 hours	30 hours
WEEKLY	7 days	8 days
MONTHLY	31 days	38 days
PRIOR TO USE	Note 1	N/A
QUARTERLY	92 days	115 days
SEMIANNUALLY	184 days	230 days
ANNUALLY	365 days	456 days

Note 1: PRIOR TO USE means the initial use of equipment at the beginning of the shift. If the equipment selected for use is used several times throughout shift, the initial application of the surveillance is adequate for the balance of the shift.

Note 2: DAILY means that the surveillance is performed each day that the equipment/system is to be used and PRIOR TO USE. If a specific piece of equipment is not used each day, then the surveillance is not performed on inactive equipment until the equipment is "IN-SERVICE."

For the purposes of this procedure, "periodic" SURVEILLANCES refers to those which are performed less frequently than DAILY or once per SHIFT.

2.0 RESPONSIBILITIES

2.1 Site Operations and Disposal Manager

- Assigning an LCO coordinator
- Reviewing TSR SR violations and approving the corrective actions to prevent recurrence
- Identifying and assigning Operations personnel responsible for performance of the TSR SRs

2.2 LCO Coordinator

- Ensuring SRs are scheduled as required
- Assisting groups responsible for performance of the TSR SRs to ensure that they are performed on time
- Generating and updating 30-day look-ahead schedules that show upcoming periodic SRs and ensuring the schedule is provided with the plan of the day
- Coordinating with the work window coordinator and work control schedulers to ensure that periodic (weekly, monthly, quarterly, etc.) are included in the CHAMPS database and are assigned to the appropriate work group with sufficient lead time to ensure that the SR is performed within the specified time interval
- Assisting the FSM in updating TSR/LCO status
- Developing recommendations for generic or programmatic issues related to the scheduling, tracking, and reporting of SRs
- Reviewing new and revised facility safety basis documentation to identify those surveillances to be included in CHAMPS (This review includes DSA revisions and associated TSRs, JCOs, Nuclear Criticality Safety Evaluations, Hazard Analyses, Emergency Preparedness Hazard Analyses.)

2.3 Work Window Coordinator/Work Control Schedulers

- Generating look ahead reports in CHAMPS for upcoming periodic TSR SRs and providing those reports to the LCO coordinator
- Entering actual completion dates in CHAMPS for completed TSR related surveillances

- Ensuring that the periodicity in CHAMPS for periodic SRs is consistent with Table 1.3-1 in the TSRs as shown in the introduction of this plan.
- Ensuring that periodic TSR SR completion data are entered into CHAMPS in a timely manner to accurately reflect the facility surveillance status

2.4 Hoisting Operations, Underground Services, Waste Handling Operations, Facility Operations, Maintenance, and Emergency Services

- Ensuring that assigned TSR SRs are performed as required by the procedures identified in WP 04-AD3001
- Providing completed surveillance procedure data sheets and completed EA04AD3001-SR data sheets to the FSM

2.5 Facility Shift Manager

- Approving completed TSR surveillances
- Maintaining knowledge of the TSR surveillance status through use of logs/status boards
- Providing completed TSR surveillances to the LCO coordinator for records retention

3.0 GENERAL GUIDANCE FOR SURVEILLANCES

Surveillances as described in the WIPP TSRs shall be satisfactorily completed for the associated SSCs in order for the SSC to be considered operable or the required AC condition to be met. An operational mode may not be entered unless all of the SRs for the SSCs/conditions are current, except for the passage through an operational mode as required to comply with the "Required Action" statements of the TSR or other applicable documents.

The LCO related SSC shall be declared inoperable when the associated SR is not performed within the required time interval or the established acceptance criteria is not met.

If the established acceptance criteria are not met, the performing work group notifies the FSM, who in turn, contacts the responsible cognizant engineer.

The responsible cognizant engineer evaluates the results of the surveillance and generates a nonconformance report (NCR) if appropriate.

Changes to TSRs are implemented through performance of WP 12-NS1002, Safety Basis Implementation. When TSR SRs are changed, WP 12-NS1002 requires an implementation plan to ensure that procedures and associated EA043001-SR series forms are updated to demonstrate compliance with the SRs prior to implementation of

the change. A TSR SR procedure change is documented on a copy of Attachment 2, LCO Surveillance Change Request, of this document.

In cases where an SSC was not previously credited in the TSRs, but monthly, quarterly, annual, etc., surveillances have been routinely performed, the previously performed surveillances can be evaluated for equivalency through the unreviewed safety question (USQ) process to declare the SSC operable. If the previously performed surveillances are considered "equivalent," then the next required date for the surveillance will be based on the specified surveillance frequency interval from the last completion date. Surveillance equivalency is documented on Attachment 3, Surveillance Equivalency, of this document and approved by the managers of Nuclear Safety, Site Operations and Disposal (or designee), and Maintenance. The approved original is retained by the LCO coordinator and a copy is provided to Work Control and Nuclear Safety.

4.0 ESTABLISHING SURVEILLANCES IN CHAMPS

CHAMPS is used for the scheduling and tracking completion of periodic TSR surveillances, except for each shift/daily SRs. The periodic TSR SRs (i.e., weekly, monthly, quarterly) are included in CHAMPS and are processed in accordance with WP 10-WC3011, Maintenance Process.

If data are not entered into CHAMPS correctly, the associated surveillance will not be scheduled and issued at the correct time. As long as the correct values are entered for the following data elements, CHAMPS will properly schedule and track surveillances:

Scheduling Status (Active, Inactive, Cancelled)

- Scheduling Frequency
- Grace Period
- First Due Date
- Last Completed Date

The LCO coordinator reviews the CHAMPS generated schedules daily to ensure that the required periodic SRs appear correctly.

The process for establishing a surveillance record in CHAMPS is described below.

4.1 Scheduling Frequency

The scheduling frequency for TSR periodic SRs will be determined from the DOE approved new or modified DSA/TSRs. The start date will be established and agreed upon based on equivalency as described in Section 3.0 above, or as identified in the Surveillance Change discussed in Section 4.3 of this document.

4.2 Grace Periods and Drop Dead Dates

Within the context of WIPP TSR SRs, the term "grace period" refers to an extension of the surveillance frequency to allow for operational flexibility. The grace period for WIPP

SRs is a time extension of 25 percent of the specified frequency beyond the specified frequency interval. The grace periods should be used on an "as-needed" basis. Grace periods should not be used on a routine basis or used for the purpose of intentionally expanding the surveillance frequency. On the schedule for WIPP periodic SRs, the grace period refers to the time period between the scheduled date and the drop dead date. The drop dead date is the scheduled date plus the grace period.

4.3 Surveillance Change

Changes to the TSRs can result in new, deleted, or modified SRs. After DOE approval of a change to the TSRs, the affected procedures are identified on a copy of Attachment 2 of this document.

The LCO coordinator generates a copy of Attachment 2 for each SR change, identifies the procedure(s) affected by the change, and obtains concurrence from the responsible work group manager and the manager of Facility Operations. The approved Attachment 2 is retained as a record in accordance with the LCO coordinator's RIDS.

SR procedure development is tracked as part of the DSA/TSR IVR process described in WP 12-NS1002. The Site Operations and Disposal manager identifies an individual to generate the new or changed surveillance. In the case of a major change to the DSA/TSRs where multiple procedures are affected, a group of personnel may be designated by the Site Operations and Disposal manager to generate the necessary changes and/or new procedures. Development of procedures that implement SRs is discussed further in Section 5.0 of this document.

The LCO coordinator provides the work window coordinator or the work control schedulers an approved Attachment 2 and Work Change Notice (WCN) (EA10-2-5-0), for changes to periodic SRs. The LCO coordinator ensures that the start date on the applicable EA10-2-5-0 is consistent with the start date on the approved Attachment 2. The work window coordinator or work control scheduler ensures that the periodic SR is entered into CHAMPS. The CHAMPS entry identifies the SR and associated implementing document.

If the new SR procedure and/or surveillance data sheet EAs will have an impact on the information contained in the Linking Document Database (LDD), the LCO coordinator forwards a copy of the approved Attachment 2 to the LDD coordinator.

4.4 Scheduling, Issuing, and Tracking Periodic TSR Surveillances

Work Control issues the work order and associated procedure for the periodic TSR surveillance to the group responsible for performing the surveillance, typically a week or more prior to the required performance.

The LCO coordinator obtains reports from Work Control for upcoming periodic TSR surveillances and generates a 30-day look-ahead schedule in a format similar to that in Attachment 1, Sample Listing of Upcoming Surveillances, of this document.

If an SSC that requires a periodic SR is inoperable such that the periodic SR cannot be performed as required, the surveillance and the associated WO are identified as **cancelled** in CHAMPS after a WCN is generated and approved. The WCN will include a reason for the cancellation. If the SSC will be inoperable or an area is not occupied for a substantial length of time such that several surveillances cannot be performed and will be missed, the surveillance will be identified as **inactive** in CHAMPS after a WCN is generated and approved, again with a basis provided on the WCN.

The LCO coordinator will show the periodic surveillance as cancelled or inactive as appropriate on the 30-day look-ahead schedule. The LCO coordinator will work with Work Control, Facility Operations, and the manager of the group responsible for performance of the surveillance, to establish an acceptable date to perform the surveillance and restart the clock for the periodic frequency. It is recommended that the surveillance be performed on the SSC such that the upcoming scheduled due dates be retained. It may be necessary for a surveillance to be performed twice in a week or month such that the formerly scheduled due date be retained. If the decision is made to change the due date such that it is not performed on the same day of the week, month, quarter, etc., as its former due date, the change is documented and approved on a surveillance change form (Attachment 2 of this document) and WCN.

4.4.1 Surveillance Completion Dates

The process for entering completion of the periodic surveillances into CHAMPS follows the process as described in WP 10-WC1011.

The last completed date for a periodic surveillance is normally the date the responsible work group completes the surveillance and the associated acceptance criteria are met. Below are examples that provide general principles for establishing the last completed date.

Examples:

- If the monthly fire suppression test is completed in the field satisfactorily on Friday, Saturday, or Sunday, then the associated calendar date should be used as the Last Completed Date. This date should be used even though final closeout of the WO may not occur until Monday of the following week.
- If more than one day is required to obtain surveillance results, the date on which the surveillance EA form is signed as complete is used to establish the Last Completed Date.
- A surveillance that does not meet the established acceptance criteria is **NOT** complete. When this occurs, the ACTION statements of the associated LCO are entered. Corrective actions must be identified and implemented, including satisfactory performance of the surveillance procedure, before the surveillance can be considered complete.

4.4.2 Periodic TSR Surveillance Completion Process

The steps listed below shall be taken before CHAMPS is updated with completion data.

1. The responsible work group forwards the surveillance EA form including the completed test procedure and associated work order to the FSM. A FAX of the original is acceptable to ensure that the surveillance completion time and date is timely and is not delayed by underground activities that may preclude use of the hoists to ferry data to the surface from the underground.
2. The FSM reviews the surveillance procedure for completeness and if acceptable, signs and dates the completed surveillance EA forms and the associated work order as complete. The work order and datasheets internal to the implementing TSR surveillance procedure are returned to work control for closeout in the CHAMPS database in accordance with WP 10-WC3011. The FSM signs the data sheets/associated work order and places them in a designated box for pickup by Work Control. The completed EA04AD3001-SR data sheets are placed in a designated box for pickup by the LCO coordinator.
3. Work Control enters the surveillance completion date into CHAMPS.
4. The LCO coordinator updates the 30-day look-ahead schedule to reflect the surveillance completion dates and the next scheduled date for performance.
5. The LCO coordinator notifies the responsible engineering manager of the completed surveillance for trending, if applicable. For example, the flow for a fire pump may meet the acceptance criteria for the surveillance but the documented flow continues to decrease over time. This information is provided to the responsible engineer/manager so that an evaluation for repair or replacement may be considered.

4.4.3 Tracking Shift/Daily Surveillances

WP 04-AD3001 identifies the surveillances required for the facility MODES as identified in DOE/WIPP-07-3373. Those SRs that are performed each shift/day for the applicable facility MODE are processed in accordance with WP 04-AD3001. Any missed surveillance is considered a TSR violation unless the missed surveillance is on an SSC that has already been declared inoperable. Facility Operations maintains current status completed surveillances to ensure that periodic surveillances are not missed.

4.4.4 Incomplete Shift/Daily Surveillances

If a shift daily surveillance cannot be performed as required or the results do not meet the established acceptance criteria, the responsible group notifies the FSM that the procedure cannot be or was not performed and the basis. The FSM enters the ACTIONS associated with the LCO for which the surveillance was not performed.

If a shift/daily surveillance cannot be performed on either the surface or underground because the equipment is inoperable, the FSM is notified and enters the ACTIONS associated with the LCO for which the surveillance was not performed.

If a shift/daily surveillance cannot be performed in the underground because there are no personnel scheduled to be in the underground that shift/day, the surveillance is performed on the next shift/day when the underground is occupied.

If a shift/daily surveillance cannot be performed on either the surface or underground because the SSC is inoperable, the surveillance must be performed on the equipment prior to declaring the SSC operable. The FSM updates the status board/shift log to identify the SSC status.

If it is known that a surveillance will not be performed by the drop dead date, the responsible work group immediately reports this situation to the FSM.

The FSM notifies the Site Operations and Disposal manager (or designee) of the situation. The Site Operations and Disposal manager (or designee) determines corrective actions that should be taken to ensure that the safety basis of the facility is not violated.

In rare circumstances, the Site Operations and Disposal manager (or designee) may choose to defer the surveillance. In these cases, the Facility Manager will work with the Chief Nuclear Engineer and Nuclear Safety to develop a response plan as discussed in DOE/WIPP-07-3373.

If a surveillance has been deferred, the FSM updates the status board/shift log and identifies when the surveillance will be performed.

5.0 SURVEILLANCE PROCEDURE DEVELOPMENT

A surveillance procedure is developed for TSR mandated SRs in accordance with WP 15-PS.2, Procedure Writer's Guide.

Surveillance procedures shall contain the following items as a minimum:

- Specific acceptance criteria to make surveillance validation easy to determine
- Steps to ensure the system, and all supporting systems, are properly returned to service
- References to the LCO or AC number applicable to the surveillance being performed.

6.0 OVERSIGHT

Nuclear Safety reviews surveillances and the results for possible improvements or changes in DSA/TSR updates. The review should include:

- General review of surveillance frequencies.
- Continued applicability of surveillances to the facility.
- Difficult issues involving surveillance activities (e.g., continuously missed surveillances, scheduling difficulties, surveillances that prove cumbersome to perform).

7.0 RECORDS

TSR Surveillance data sheets and EA04AD3001-SR series electronic attachments are considered records. Records generated by this document include completed Attachments 2 and 3.

8.0 REFERENCES

- DOE Guide 423.1-1, *Implementation Guide for use in Developing Technical Safety Requirements*, 10-24-01
- DOE/WIPP-07-3373, *Waste Isolation Pilot Plant Technical Safety Requirements*
- WP 04-AD3001, Facility Mode Compliance
- WP 04-AD3028, Storage of Compressed Gas Cylinders Weekly LCO Surveillance
- WP 04-AU1007, Ground Control
- WP 10-WC3011, Maintenance Process
- WP 12-FP0025, Sprinkler System Inspection and Testing
- WP 12-FP0026, Weekly Surveillance for Fire Water Supply and Distribution System
- WP 12-FP0055, Monthly Surveillance for Fire Suppression System
- WP 12-FP0056, Quarterly Surveillance of Fire Suppression System
- WP 12-FP0060, Semiannual Surveillance Auto Fire Supp. Diesel Equipment
- WP 12-FP5113, LCO Electric Fire Pump Test 45-G-601
- WP 12-FP5114, Diesel Fire Pump Test 45-G-602

- WP12-NS1002, Safety Basis Implementation
- WP 15-PR3006, Records Inventory and Disposition Schedule
- WP 15-PS.2, Procedure Writer's Guide
- EA04AD3001-SR1, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.1 (MONTHLY)
- EA04AD3001-SR2, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.2 (MONTHLY)
- EA04AD3001-SR3, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.3 (MONTHLY)
- EA04AD3001-SR4, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.4 (ANNUALLY)
- EA04AD3001-SR5, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.5 (QUARTERLY)
- EA04AD3001-SR6, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.6 (WEEKLY)
- EA04AD3001-SR7, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.7 (ANNUALLY)
- EA04AD3001-SR8, LCO 3.1.1 WHB Fire Suppression System, SR 4.1.1.8 (WEEKLY)
- EA04AD3001-SR12, LCO 3.1.2 CH Waste Handling Equipment Fire Suppression System, SR 4.1.2.2 (SEMIANNUALLY)
- EA04AD3001-SR13, LCO 3.1.2 RH Waste Handling Equipment Fire Suppression System, SR 4.1.2.2 (SEMIANNUALLY)
- EA04AD3001-SR15, LCO 3.2.1 CH BAY Confinement Ventilation System, SR 4.2.1.3 (ANNUALLY)
- EA04AD3001-SR17, LCO 3.2.2 HOT CELL COMPLEX Confinement Ventilation System, SR 4.2.2.3 (ANNUALLY)
- EA04AD3001-SR21, LCO 3.3.4 Control of Propane Powered Vehicles/Equipment, SR 4.3.4.1 (QUARTERLY)
- EA04AD3001-SR33, LCO 3.6.1 Storage of Compressed Gas Cylinders, SR 4.6.1.2, 4.6.1.3, and 4.6.1.5 (WEEKLY)

- EA04AD3001-SR40, SAC 5.1.1.3 Ground Control Program Inspection (WEEKLY)
- PM041154, In-place Testing of HEPA Filter Units

**Technical Safety Requirements Surveillance Program
WP 04-AD.02, Rev. 0**

Attachment 1 - Sample Listing of Upcoming Periodic Surveillances

Attachment 1 – Sample Listing of Upcoming Periodic Surveillances

Surveillance No	Title	Equipment No.	Schedule Date	Drop Dead Date (Scheduled Date + 25%)	Next Due	Responsible Group
WP 12-FP0026- EA04AD3001-SR6	Weekly Surveillance for Fire Water Supply and Distribution System	45-G-601 electric fire pump				ESTs
WP 12-FP0026- EA04AD3001-SR6	Weekly Surveillance for Fire Water Supply and Distribution System	45-G-602 diesel fire pump				ESTs
WP 12-FP0026- EA04AD3001-SR8	Weekly Surveillance for Fire Water Supply and Distribution System	45-D-601 diesel fuel tank				ESTs
WP 04-AD3028 EA04AD3001-SR33	Weekly Compressed Gas Cylinders LCO Surveillances	240 534				ESTs
WP 04-AU1007 EA04AD3001-SR40	Underground Openings Inspections (Weekly)	534				Mine Operations
WP 12-FP0055-Monthly Surveillance for Fire Suppression System. EA04AD3001-SR1	Monthly Surveillance for Fire Suppression System	411R 411C 411O				ESTs
WP 12-FP0055-Monthly Surveillance for Fire Suppression System. EA04AD3001-SR2	Monthly Surveillance for Fire Suppression System	411R 411C 411O				ESTs

**Technical Safety Requirements Surveillance Program
WP 04-AD.02, Rev. 0**

Attachment 1 - Sample Listing of Upcoming Periodic Surveillances

Surveillance No	Title	Equipment No.	Schedule Date	Drop Dead Date (Scheduled Date + 25%)	Next Due	Responsible Group
WP 12-FP0055-Monthly Surveillance for Fire Suppression System. EA04AD3001-SR3	Monthly Surveillance for Fire Suppression System	456				ESTs
WP 12-FP0056 EA04AD3001-SR5	Quarterly Surveillance of Fire Suppression System	411R 411C 411O				ESTs
EA04AD3001-SR21	Quarterly inspection of propane-powered vehicles	411				ESTs
EA04AD3001-SR21	Quarterly inspection of propane-powered vehicles	534				U/G Services
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-126 Six-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-033 Six-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-127 7.5-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-008A Transporter				ESTs
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-008B Transporter				ESTs

**Technical Safety Requirements Surveillance Program
WP 04-AD.02, Rev. 0**

Attachment 1 - Sample Listing of Upcoming Periodic Surveillances

Surveillance No	Title	Equipment No.	Schedule Date	Drop Dead Date (Scheduled Date + 25%)	Next Due	Responsible Group
WP 12-FP0060 EA04AD3001-SR12 (CH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-008C Transporter				ESTs
WP 12-FP0060 EA04AD3001-SR13 (RH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-005-A 41-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR13 (RH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-125 20-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR13 (RH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-H-007C Six-ton forklift				ESTs
WP 12-FP0060 EA04AD3001-SR13 (RH)	Semiannual Surveillance Auto Fire Suppression Diesel Equipment	52-Z-003 HERE				ESTs
WP 12-FP0025 EA04AD3001-SR4	Annual Sprinkler System Inspection and Testing	411R				ESTs
WP 12-FP0025 EA04AD3001-SR4	Annual Sprinkler System Inspection and Testing	411C				ESTs
WP 12-FP0025 EA04AD3001-SR4	Annual Sprinkler System Inspection and Testing	411O				ESTs
WP 12-FP5113 EA04AD3001-SR7	Annual Electric Fire Pump Test 45-G-601	45-G-601				Maintenance
WP 12-FP5114 EA04AD3001-SR7	Annual Diesel Fire Pump Test 45-G-602	45-G-602				Maintenance
PM041154 EA04AD3001-SR15	Annual In-place Testing of HEPA Filter Units	41-B-814				Maintenance Engineer

**Technical Safety Requirements Surveillance Program
WP 04-AD.02, Rev. 0**

Attachment 1 - Sample Listing of Upcoming Periodic Surveillances

Surveillance No	Title	Equipment No.	Schedule Date	Drop Dead Date (Scheduled Date + 25%)	Next Due	Responsible Group
PM041154 EA04AD3001-SR15	Annual In-place Testing of HEPA Filter Units.	41-B-815				Maintenance Engineer
PM041154 EA04AD3001-SR17	Annual In-place Testing of HEPA Filter Units	41-B-877A				Maintenance Engineer
PM041154 EA04AD3001-SR17	Annual In-place Testing of HEPA Filter Units	41-B-877B				Maintenance Engineer
PM041154 EA04AD3001-SR17	Annual In-place Testing of HEPA Filter Units	41-B-877C				Maintenance Engineer

Technical Safety Requirements Surveillance Program WP 04-AD.02, Rev. 0

Attachment 2 – LCO Surveillance Change Request

LCO Surveillance Change Type:		
<input type="checkbox"/> Add New Surveillance <input type="checkbox"/> Modify Existing Surveillance <input type="checkbox"/> Delete Existing Surveillance		
Technical Safety Requirement No: _____		Revision No: _____
LCO No: _____		Title: _____
1. New Surveillance Requirement:		
TSR SR Number	Surveillance Equipment	Frequency
New SR Implementing Procedure (No./Title):		
2. Modify Existing SR.		
TSR SR Number	Existing SR	Frequency
Change To:	Change To:	Change To:
Affected Implementing Procedure:		
3. Delete Existing SR		
TSR SR Number	TSR SR Number	TSR SR Number
Affected Implementing Procedure:		
4. Justification/Basis for Change:		
5. USQ #		
6. Approvals		
Cog. Manager/Affected Group	Manager, Facility Operations	Manager, Site Operations & Disposal
Print Name	Print Name	Print Name
Signature	Signature	Signature
Date	Date	Date

**Technical Safety Requirements Surveillance Program
WP 04-AD.02, Rev. 0**

Attachment 3 – Surveillance Equivalency

Surveillance Equivalency		
Technical Safety Requirement No: _____ Revision No: _____ LCO No: _____ Title: _____ Surveillance Requirement No. _____ Frequency _____ Description of Surveillance: _____		
Surveillance No. to be considered equivalent		
Basis for equivalency		
USQ #		
Approval		
Cog. Manager/Affected Group	Manager, Site Operations & Disposal	Manager, Nuclear Safety
Print Name	Print Name	Print Name
Signature	Signature	Signature
Date	Date	Date