Waste Processing Facility Building and Structure Maintenance

USE EVERY TIME

Implementation Date: 10-24-13

Supersedes CM-P-MT-003

APPROVAL:

Chris Chadwell
Maintenance Manager

10-14-13
Date

Table of Contents

Revision Summary

Revision	Change Summary
0	Initial issue – Supersedes CM-P-MT-003; global formatting and editorial updates

Current Revision Specific Changes		
Location	**Description**	**Reason**

1.0 INTRODUCTION

1.1 Purpose

This document provides technical direction for the maintenance of the TRU Waste Processing Center (TWPC) Waste Processing Facility (WPF) Structures.

1.2 Scope

Waste Processing Facility Structures include, but are not limited to the following:

- The Process Building (PB) is a reinforced concrete building that contains the Sludge (SL), Supernate (SN), Contact Handled (CH) and Remote Handled (RH) solids process areas. The PB also serves as the final containment control barrier for liquid and solid releases. The PB is classified as a Safety Significant Structures, Systems and Components (SS SSC).
- The Hot Cell Structure, an RH solids process area in the PB, which includes the walls, floors, ceiling, doors, and viewing windows, is classified as SS SSC.
- The Contact Handled Staging Area (CHSA) is a fire resistant metal structure approximately 50’ by 80’ on a concrete pad that serves as a weather barrier for staged waste containers.
- The Macro-Encapsulation Building (MEB) is a fire resistant metal structure approximately 20’ by 30’ on a concrete pad that serves as a weather barrier for foaming and macro-encapsulating waste containers.
- The Foam Storage Enclosure (FSE) is a metal structure approximately 8’ by 20’ that serves as a weather barrier for fire resistant Foam Storage Control Areas.
- The Drum Venting Building (DVB) is a fire resistant metal structure approximately 25’ by 50’ on a concrete pad that serves as a weather barrier for drum venting operations.
- The Contact Handled Marshalling Building (CHMB) is a fire resistant metal structure approximately 51’ by 136’ on a concrete pad that serves as a weather barrier for staged waste containers.
- The Multi-Purpose Building (MPB) is a fire resistant metal structure approximately 50’ by 250’ on a concrete pad that serves as a weather barrier for maintenance area, staged waste containers, and TRUPACT II loading.

1.3 Document Use

This document has been evaluated by the Document Use Review Team and has been determined to be a **USE EVERY TIME** procedure.

USE EVERY TIME procedures require direct use and verbatim compliance. These documents are open and being referenced during the performance, e.g., in-hand or present for the user to actively reference during actual performance of action steps. A Reader Doer approach may also be implemented where it is

impractical for the performer to hold or access the procedure. If work cannot be accomplished as described in the implementing procedure or accomplishment of such work would result in an undesirable situation, a condition adverse to quality, or an unacceptable safety risk, then the work is suspended until the appropriate procedure change provisions are implemented. If work is suspended due to inadequacy of procedure, then a PCN or revision of the procedure is initiated. On-shift management (i.e., Shift Superintendent (SS), Senior Supervisory Watch, Operations Manager, etc.) should be made aware of any work suspension due to a problem procedure.

2.0 PRECAUTIONS AND LIMITATIONS

2.1 Safety

- Observe as low as reasonably achievable in accordance with CM-P-RP-318, As Low As Reasonably Achievable (ALARA) Program, exposure techniques in radiation areas.
- Use Personal Protective Equipment (PPE), as required, in accordance with CM-P-IS-017, Personal Protective Equipment.
- Use hand and portable power tools in accordance with CM-P-IS-039, Hand and Portable Power Tools.
- Perform material handling in accordance with CM-P-IS-016, Materials Handling.
- Operate forklifts in accordance with CM-P-IS-012, Powered Industrial Trucks.
- Operate equipment in accordance with CM-P-IS-002, Equipment Operation.
- Set up work area access control barriers in accordance with CM-P-IS-014, Safety Posting, Labeling, and Barriers.
- Wear hearing protection in posted areas, when operating power tools, or when having difficulty speaking with someone standing three feet away.
- Position body to avoid having contact with, being contacted by, caught on, caught between, struck by, or struck against while performing work activities.
- Avoid animals and insects, poison ivy/oak, animal/bird droppings, and snakes.
- Use ladders in accordance with CM-P-IS-041, Ladder Safety.
- Use scaffolding in accordance with CM-P-IS-023, Scaffolding.
- Use fall protection in accordance with CM-P-IS-024, Fall Protection.
- Personnel working under overhead work wear hard hats.
- Store, use, and dispose of chemicals in accordance with CM-P-EN-003, Chemical Management and CM-P-IS-004, Hazard Communication.
- Wear proper PPE as recommended by applicable MSDS.

- Work areas 8 feet and above in radiological areas require Radiological Controls Department support.

2.2 Technical Safety Requirements

- None

3.0 RESPONSIBILITIES

3.1 Personnel Assignments

Training to this document is at the discretion of the Functional Manager in coordination with the document owner. The following personnel are responsible for performing the activities described in this procedure. These TWPC personnel may designate alternate personnel to assist in carrying out their responsibilities as specified in this procedure.

3.1.1 Maintenance Manager (MM)

- coordinates periodic inspections, testing, and preventive maintenance (PvM) of the WPF
- ensures that activities herein are completed in accordance with this procedure
- reviews corrective maintenance activities and gives approval to proceed on activities that are covered by this procedure including control measures implemented from the activity hazard analysis (AHA)

3.1.2 Shift Superintendent (SS)

- gives approval to proceed with performance of maintenance

3.1.3 Cognizant System Engineer (CSE)

- required procedure reviewer
- periodically monitors maintenance activities to determine positive or negative trends

3.1.4 Operations and Maintenance Personnel

- perform maintenance activities in accordance with this procedure

3.2 Document Maintenance

The MM is designated the document owner and is responsible for updating this document. Approval authority rests with the MM. Submit suggestions for revisions or improvement to the MM utilizing Attachment E, New Document and Revision Request Form, of CM-P-AD-061, Document Preparation, Review and Approval.

4.0 PREREQUISITES

- Train to this procedure prior to performing the activities described in this procedure.
- Review applicable Material Safety Data Sheets prior to using chemicals.

5.0 PROCEDURE

NOTE 1: Deficiencies are reported to the MM. Repairs are made in accordance with the design specification and CM-A-MT-001, Reliability Assurance Program Description.

NOTE 2: Sections may be performed independently.

5.1 Structures Preventive Maintenance

NOTE 1: Inspections may be performed using floor level walkdowns with no ladders or other special equipment required. Flashlights may be necessary. All information may be obtained from visual inspection only.

NOTE 2: Inspections of the structures (i.e., roof, walls, and floors), to look for cracks or other observable signs of deterioration, are performed consistent with ALARA techniques. High or Very High Radiation Areas and Contamination Areas may be inspected using cameras and windows, as required.

5.1.1 Obtain SS approval to proceed with PvM on Attachment C, Structure and Coatings Inspection Checklist.

5.1.2 Perform structure inspections semi-annually and record on Attachment C, Structure and Coatings Inspection Checklist.

5.1.3 IF a particularly intense seismic event occurs (1,000 year ground acceleration),
THEN conduct a surveillance of normally accessible areas of the WPF,
AND record on Attachment C, Structure and Coatings Inspection Checklist.

5.1.4 Obtain SS review signature when PvM is complete.

5.2 Coatings Preventive Maintenance

NOTE 1: Inspections may be performed using floor level walkdowns with no ladders or other special equipment required. Flashlights may be necessary. All information may be obtained from visual inspection only.

NOTE 2: PB coating service life is anticipated to meet or exceed the project duration. However, inspections of the coatings are performed to look for cracks or other observable signs of coating cracks or damage consistent with ALARA techniques.

5.2.1 Notify SS that PvM is going to be performed.

5.2.2 Perform coating inspections semi annually and record on Attachment C, Structure and Coatings Inspection Checklist.

5.2.3 Notify SS that PvM is complete.

5.3 Roll-Up DoorsPreventive Maintenance

NOTE 1: Lubricants are specified in Attachment B, Door Lubrication Chart. The MM may approve equivalent lubricants if required.

NOTE 2: Chemical resistant gloves required for use of Mobilith SHC 220.

NOTE 3: Skin contact should be avoided when using Mobilith SHC 220.

NOTE 4: Safety glasses required for use of lubricants.

NOTE 5: Adequate general ventilation is required when using Jax BDF Cling Lube or Mobilith SHC 220.

NOTE 6: Hands should be washed after handling Mobilith SHC 220 or Teresstic 46.

5.3.1 Notify SS that PvM is going to be performed.

5.3.2 Install lockout/tagout (LO/TO) on power supply to door in accordance with CM-UET-IS-019, Lockout/Tagout.

5.3.3 Perform inspections and lubricate roll-up doors semi-annually in accordance with Attachment D, Roll-up Door Inspection Checklist.

5.3.4 Remove LO/TO in accordance with CM-P-UET-019, Lockout/Tagout.

5.3.5 Perform operational checks on roll-up doors semi-annually in accordance with Attachment D, Roll-up Door Inspection Checklist.

5.3.6 Notify SS that PvM is complete.

5.4 Personnel Doors Preventive Maintenance

NOTE 1: Vendor recommends no PvM to the closures. Door hinges may be lubricated at the MM discretion.

NOTE 2: CM for personnel doors is performed in accordance with CM-REF-MT-002, Site Maintenance.

NOTE 3: Safety glasses required for use of lubricants.

NOTE 4: Adequate general ventilation is required when using Jax BDF Cling Lube.

5.4.1 Notify SS that PvM is going to be performed.

5.4.2 Perform an inspection of the Fire Doors monthly in accordance with Attachment E, Fire Door Monthly Inspection Checklist.

5.4.3 Verify clearances of the Fire Doors annually in accordance with Attachment F, Fire Door Annual Inspection Checklist.

5.4.4 Notify SS that PvM is complete.

5.5 Structures and Coating Corrective Maintenance

5.5.1 Complete the deficiency section on Attachment G, WPF Structures CM Documentation.

5.5.2 Notify SS, MM, and CSE (for SS SSC only) for approval to proceed.

NOTE 1: CSE must approve any grout, sealant, coating, or insulation different from those listed below, on Attachment H: WPA Replacement Part Approval.

NOTE 2: A spill kit should be available prior to using chemicals.

5.5.3 Perform the following repairs as necessary:

NOTE 1: Nitrile, natural rubber, or neoprene gloves required for use of grout.

NOTE 2: Chemical resistant gloves, coveralls, safety glasses and boots required for use of EJ3/4 Primer, Ceilcote EJ3 and EJ4.

NOTE 3: Neoprene or natural rubber gloves required for use of EJ3/4 Primer.

NOTE 4: Nitrile gloves required for use or Ceilcote EJ3 or EJ4.

NOTE 5: Generating dust and skin and clothing contact should be avoided when using grout.

5.5.3.1 Perform the following repairs to the grout and structure as necessary:

1. Contact IH to determine supplemental ventilation requirements prior to using Ceilcote EJ3/4 Primer, Ceilcote EJ3 or EJ4.

- Repair grout with Five Star Grout.
- Repair small cracks and chips with Five Star Grout or Ceilcote EJ3 or EJ4 for PB floors/roofs.

NOTE 1: Chemical resistant gloves, coveralls, safety glasses and boots required for use of coatings.

NOTE 2: Coatings are to be applied using brush, roller or squeegee.

NOTE 3: Face shield required for painting/coating overhead.

NOTE 4: Walking across newly coated surfaces should be avoided.

NOTE 5: Nitrile gloves required for use of CeilLine 50 horizontal and CeilLine 50 Topcoat.

NOTE 6: Rubber or butyl gloves required for use of 680 Primer.

WARNING: CONTACT BETWEEN #9 HARDENER AND CEILCOTE 477 PART B OR CEILLINE 50 PART B SHOULD BE AVOIDED.

5.5.3.2 Perform the following repairs to the coatings as necessary:

1. Barricade work area as "Danger- Authorized Personnel Only" in accordance with CM-P-IS-014, Safety Posting, Labeling, and Barriers.
2. Contact IH to determine supplemental ventilation requirements and/or IH monitoring for VOCs based on duration of exposures and quantity of chemicals.
3. Ensure eyewash station is available prior to handling coatings.

WARNING: FACE SHIELD REQUIRED WHEN HANDLING #17 HARDENER.

- Recoat PB interior floors with Ceilcote 680 primer and Ceilcote SF Corocrete Hardener Topcoat.
- Recoat PB exterior floors with Ceilcote 680 primer, Ceilcote CeilLine 50 Horizontal, and Ceilcote CeilLine 50 Topcoat.
- Recoat PB walls 0-4ft height with Ceilcote 664 Off White Epoxy followed by one coat of Ceilgard 477 Urethane Gloss White.
- Recoat PB walls 4-16ft height with Ceilcote 664 Off White Epoxy followed by one coat of Ceilgard 477 White.
- Kool Seal Roof Coating may be used at the discretion of the CSE to repair cracks in the PB roof.

NOTE: Nitrile gloves are required for use of adhesive. Disposable nitrile, natural rubber, or neoprene gloves are required for use of insulation.

WARNING 1: CONTACT WITH SKIN, EYES AND CLOTHING SHOULD BE AVOIDED WHEN USING INSULATION AND ADHESIVE, AND HANDS SHOULD BE WASH AFTER USING.

WARNING 2: ADHESIVE IS EXTREMELY FLAMMABLE.

5.5.3.3 Perform the following repairs to the building insulation as necessary:

1. Contact IH to determine monitoring requirements for fiberglass insulation handling as TLV-TWA is 1.0f/cc.
2. Ensure no ignition sources are in the area.

- Repair or replace insulation using tape and/or GEMCO Tuff-Bond Hanger Adhesive and insulation pins.
- Replace insulation on structure with Knauf Metal Building Insulation with ECOSE Technology and style VR-R Plus jacketing.

NOTE 1: Abrasion resistant gloves are required for use of insulation.

NOTE 2: Accumulation of waste material should be avoided.

WARNING 1: CONTACT WITH SKIN, EYES AND CLOTHING SHOULD BE AVOIDED WHEN USING INSULATION, WASH HANDS AFTER HANDLING.

WARNING 2: LOCAL EXAUST VENTILATION IS REQUIRED WHEN CUTTING, CRUSHING, OR THERE IS A POSSIBILITY ANY OF DUST BEING GENERATED.

5.5.3.4 Perform the following repairs to the duct insulation as necessary:

1. Contact IH to determine monitoring and ventilation requirements for fiberglass insulation.
2. Repair or replace duct insulation with 800 Series Spin-glas, Foamglas, or Micro-Lok as applicable

5.5.4 Complete the conditions found section and the repairs section on Attachment G, WPF Structures CM Documentation.

5.5.5 Notify SS that CM is complete.

5.6 Limit Switch Adjusting

5.6.1 Notify SS that door limit switch adjustments are going to be performed.

5.6.2 Operate door to determine amount of adjustment required.

WARNING 1: THE FOLLOWING SHOULD BE PERFORMED AS ENERGIZED ELECTRICAL WORK IN ACCORDANCE WITH CM-P-MT-008, ELECTRICAL WORK.

WARNING 2: CONTACT WITH MOVING MECHANICAL COMPONENTS SHALL BE AVOIDED DURING OPERATION.

5.6.3 Remove necessary covers/guards to obtain access to limit switch adjusting device.

5.6.4 Adjust limit switches as required.

5.6.5 Operate door to determine if additional adjustment is required.

5.6.6 Repeat Steps 5.6.4 through 5.6.5 as necessary to achieve proper door travel.

5.6.7 If proper door travel cannot be achieved, notify SS and MM.

5.6.8 Notify SS that limit switch adjustment work is complete.

5.7 Roll-Up Doors Corrective Maintenance

NOTE: Components are replaced in accordance with associated drawings, specifications, or vendor documentation. If that information is not available, components are replaced with like-for-like or Engineering approved equivalent components.

5.7.1 Complete the deficiency section on Attachment G, WPF Structures CM Documentation.

5.7.2 Notify SS and MM for approval to proceed.

5.7.3 Troubleshoot the cause of the deficiency.

5.7.4 Install LO/TO on power supply to the door in accordance with CM-UET-IS-019, Lockout/Tagout.

5.7.5 If removing an entire metal slat door:

5.7.5.1 Notify the SS with details of the planned activity.

NOTE: Fire rated doors are credited as part of the Process Building structure for containing a fire within the Process Building. Fire rated doors are identified in CM-R-AD-002, Fire Hazard Analysis, and Attachment B, Normal Door Positions.

5.7.5.2 IF a perimeter door, which is required to be removed or open for an extended period of time, is also a fire rated door, THEN implement an impairment in accordance with UT-P-OP-519, Fire System Impairment.

5.7.5.3 Obtain permission from the SS prior to opening a perimeter door for extended periods of time.

5.7.5.4 Release the spring tension in accordance with applicable manufacturer's information.

5.7.6 Repair the door in accordance with applicable manufacturer's information.

5.7.7 Remove LO/TO in accordance with CM-UET-IS-019, Lockout/Tagout.

5.7.8 For post-maintenance testing, operate the door to verify it functions in accordance with current design.

5.7.9 Complete the conditions found, repairs, and post-maintenance testing sections on Attachment G, WPF Structures CM Documentation.

5.7.10 Notify SS that CM is complete.

6.0 RECORDS

Records are identified, classified, and maintained in accordance with CM-P-AD-049, Records Management, and CM-X-AD-026, Records Inventory and Disposition Schedule.

6.1 Record Numbering

(Example)

Record	Record Naming Convention
Att. C	SCIC-YYMMDD, where SCIC = Record Code; YY=Year; MM=Month; DD=Day; (e.g., SCIC-120703)
Att. D	DIC-YYMMDD, where DIC = Record Code; YY=Year; MM=Month; DD=Day; (e.g., DIC-110406)
Att. E	FDMIC-YYMMDD, where FDMIC = Record Code; YY=Year; MM=Month; DD=Day (e.g., FDMIC-120704)
Att. F	FDAIC-YYMMDD, where FDAIC = Record Code; YY=Year; MM=Month; DD=Day (e.g., FDAIC-120705)
Att. G	WPFSCMD-#; where WPFSCMD=Record Code; YY=Year; MM=Month; DD=Day; #=Consecutive Number of the Day (e.g., WPFSCMD-120703-1)
Att. H	WPARPA-YYMMDD where WPARPA=Record Code; YY=Year; MM=Month; DD=Day; #=Consecutive Number of the Day (e.g., WPARPA-121113)

6.2 Records Inventory and Disposition Schedule

Records generated from this procedure are:

Record	Retention Period	Class	Record Type	Disposition Location	File Index Loc.	Media Type	OUO	Vital		Other File Loc.
								L&F	EO	
Attachment C, Structure and Coatings Inspection Checklist	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A
Attachment D, Roll-up Door Inspection Checklist	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A
Attachment E, Fire Door Monthly Inspection Checklist	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A
Attachment F, Fire Door Annual Inspection Checklist	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A
Attachment G, WPF Structures CM Documentation	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A
Attachment H: WPA Replacement Part Approval	LOP+30	Record	COMFOR	7880V	17.2	EP	N/A	N/A	N/A	N/A

COMFOR – Completed Form **EO** – Emergency Operating **EP** – Electronic and Paper **L&F** – Legal & Financial
OUO – Official Use Only

7.0 ATTACHMENTS

Attachment A: Acronyms/Abbreviations, Definitions, References, and Reviewer Selection for Major Revisions

Attachment B: Door Lubrication Chart

Attachment C: Structure and Coatings Inspection Checklist

Attachment D: Roll-up Door Inspection Checklist

Attachment E: Fire Door Monthly Inspection Checklist

Attachment F: Fire Door Annual Inspection Checklist

Attachment G: WPF Structures CM Documentation

Attachment H: WPA Replacement Part Approval

Attachment A: Acronyms/Abbreviations, Definitions, References, and Reviewer Selection for Major Revisions

Acronyms/Abbreviations

ALARA – As Low As Reasonably Achievable

CH – Contact Handled

CHMB – Contact Handled Marshalling Building

CHSA – Contact Handled Staging Area

CM – Corrective Maintenance

CSE – Cognizant System Engineer

DVB – Drum Venting Building

FSE – Foam Storage Enclosure

MEB – Macro-Encapsulation Building

MM – Maintenance Manager

MPB – Multi-Purpose Building

NST – North Stair Tower

P&ID – Piping & Instrument Diagram

PB – Process Building

PvM – Preventive Maintenance

RH – Remote Handled

SL – Sludge

SN – Supernate

SS – Shift Superintendent

SS SSC – Safety Significant Structures, Systems, and Components

TRU – Transuranic

TWPC – TRU Waste Processing Center

Definitions

None

Developmental References

29 CFR 1910.35, 36 & 37, Subpart E, Means of Egress

NFPA 80, Standard for the Installation of Fire Doors

T-CH-FW-D-AR-010, Contact-Handled Staging Area Structure

Attachment A: Acronyms/Abbreviations, Definitions, References, and Reviewer Selection for Major Revisions

Developmental References

T-CH-FW-D-AR-011, Macro-Encapsulation Building Plan and Elevation

T-CH-FW-D-AR-012, Foam Storage Enclosure Hazmat Control Areas

T-CH-FW-D-AR-014, Contact Handled Marshalling Building

T-CH-FW-D-AR-015, Drum Venting Building General Arrangement

T-CH-FW-D-AR-021, Multi-Purpose Building General Arrangement

T-CM-FW-D-AR-001, 1st Floor Plan Gen Arrangement

T-CM-FW-D-AR-002, 2nd Floor Plan General Arrangement

T-CM-FW-D-AR-003, 3rd Floor Plan Gen Arrangement

T-CM-FW-D-AR-021, Proc./ Pers./ CHSA Bldgs. Door Schedule

T-CH-262-M-ME-002, Installation, Operation and Maintenance Manual for CHI Rolling Steel Doors for CHSA

T-CH-461-M-AR-002, Rollup Door Installation & Operating Instructions Manual

T-CM-85-M-ME-001, Installation, Operation and Maintenance Manual for Commercial Operators (Rollup Doors)

T-CM-85-P-ME-001, Installation Instructions for JFN SERIES 615/616 Roll Up Doors

T-CM-85-P-ME-002, Troubleshooting Guide for Rollup Doors

T-CM-89-P-ME-001, Maintenance Instructions for Personnel Doors' Closers

T-CM-286-M-EE-001, Manaras Opera-H and Opera-J (Door Opener) Installation & Instruction Manual

T-CM-412-M-ME-002, Rollup Door Installation Instructions & Manual

T-CM-482-M-AR-001, Rollup Door Installation & Operating Instructions Manual

T-CM-618-M-EE-001, Installation & Owner's Manual, Rollup Doors, 30 ton Crane Bay

T-CM-688-M-EE-001, MPB Rollup Door Controls Set-up and Wiring Manual

T-HC-25-M-ME-001, O&M Manual (HC Windows)

Cross References

CM-A-EG-004, Safety Significant Structures, Systems and Components

CM-A-MT-001, Reliability Assurance Program Description

CM-P-EN-003, Chemical Management

CM-P-IS-001, Light Vehicle Operation

CM-P-IS-002, Equipment Operation

Attachment A: Acronyms/Abbreviations, Definitions, References, and Reviewer Selection for Major Revisions

Cross References
CM-P-IS-004, Hazard Communication
CM-P-IS-012, Powered Industrial Trucks
CM-P-IS-014, Safety Posting, Labeling, and Barriers
CM-P-IS-016, Materials Handling
CM-P-IS-017, Personal Protective Equipment
CM-P-IS-023, Scaffolding
CM-P-IS-024, Fall Protection
CM-P-IS-039, Hand and Portable Power Tools
CM-P-IS-041, Ladder Safety
CM-P-RP-318, As Low As Reasonably Achievable (ALARA) Program
CM-REF-MT-002, Site Maintenance
CM-UET-IS-019, Lockout/Tagout

Reviewer Selection for Major Revisions	
Required	**Optional**
Cognizant System Engineer Maintenance Manager Maintenance Specialist Radiological Control Manager Waste Operator	Shift Superintendent

Attachment B: Door Lubrication Chart

Description	Lubrication
Roll-up Doors	
Bearings provided with grease fittings are lubricated.	Mobilith SHC® 220
Guide lubrication requires a dry lubricant or a silicone spray. Limit switch shaft requires a dry lubricant applied with a rag or equivalent.	Jax BDF-Cling lube
Lubricate exposed roller chains with a dry lubricant or a silicone spray.	Jax BDF Cling lube
Visually inspect the gear reducer for oil leakage. If necessary, add oil.	Teresstic® SHP 46
Personnel Doors	
Door hinges	Jax BDF Cling lube

Attachment C: Structure and Coating Inspection Checklist

(Page 1 of 4)

		SCIC-
SS Approval to Proceed	Date	(YYMMDD)

Room	Structure Comments	Coatings Comments	Initials
PB First Floor			
122			
123			
124 *			
125 *			
127			
129 *			
132			
133, (South ST)			
134			
135			
136, 137, (NST)			
141			
142			
143			
191, 192, 193, 194 (CPE) *			
30T Crane Bay			

Attachment C: Structure and Coatings Inspection Checklist
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Room	Structure Comments	Coatings Comments	Initials
PB Second Floor			
128 *			
213, 224, 225, 225W, 226, (BBA) *			
222 *			
HC Equipment Pit			
231			
236, 237, (NST)			
Hot Cell Structure, (211) *			
Walls			
Floors			
Ceiling			
Doors			
Viewing Windows			

Attachment C: Structure and Coatings Inspection Checklist
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Room	Structure Comments	Coatings Comments	Initials
PB Third Floor			
321			
322			
323, 324, 325, 326			
327 *			
328			
336, (NST)			
PB Roof			
MBV Enclosure			
805 EL Roof			
820 EL Roof			
828 EL Roof			
NST Roof			

Attachment C: Structure and Coatings Inspection Checklist
(Page 4 of 4)

Room	Structure Comments	Coatings Comments	Initials
Support Buildings			
CHSA			
MEB			
FSE			
DVB			
CHMB			
MPB			

* Inaccessible areas may be inspected through cameras and windows, as required.

Performed By: _____ Date: _____
O&M Personnel

Reviewed By: _____ Date: _____
SS

Reviewed By: _____ Date: _____
MM

Reviewed By: _____ Date: _____
Quality Control

Performed By: _____ Date: _____
CSE

Reviewed By: _____ Date: _____
Operations Manager

Attachment D: Roll-Up Door Inspection Checklist

(Page 1 of 2)

SS Approval to Proceed _____ Date _____ **DIC-** _____ (YYMMDD)

Instructions: Check boxes that are complete and SAT. Put a number in boxes that are UNSAT, and use this number to enter Comments.

Description	RD1-01	RD1-02	RD1-03	RD1-04	RD1-05	RD1-06	RD1-07	RD1-08	RD1-09	RD1-31	RD1-32	RD1-33	RD1-34	RD1-35	RD1-37	RD2-01	RD2-02	RD2-03	RD2-04	RD2-05	RD2-07	RD2-08	RD3-01	RD3-02	RD5-01	RD5-02	RD5-03	RD6-01	RD7-01	RD7-02	RD7-03	RD7-04	RD7-05	RD7-06	RD7-07	RD7-08	Boiler Bldg
Over-Head Door PvM																																					
Lubricate bearings provided with grease fittings in accordance with Att. B.																																					
Lubricate guide rollers with dry lubricant or silicone spray in accordance with Att. B.																																					
Lubricate exposed roller chains in accordance with Att. B.																																					
Perform an operational check and inspection of door for tears, dents, alignment, end lock operability, etc.																																					
Electrically operated roll-up doors																																					
Lubricate limit switch shaft threads in accordance with Att. B.																																					
Visually inspect the gear reducer for oil leakage. If necessary, add oil in accordance with Att. B.																																					
Visually inspect the tension of the roller chain or belt between the operator and the door sprocket. The required flexion on the chain is a nominal ¼".																																					
Verify the operation of the photocell or sensing edge, if equipped.																																					

Attachment D: Roll-Up Door Inspection Checklist
(Page 2 of 2)

Comments:

Performed By: _____ Date: _____
O&M Personnel

Reviewed By: _____ Date: _____
SS

Reviewed By: _____ Date: _____
MM

Attachment E: Fire Door Monthly Inspection Checklist

(Page 1 of 3) **DIC-**

SS Approval to Proceed Date (YYMMDD)

Fire Door Number	Fire Door Location (Floor and Column Line)	Door Type (Swinging, sliding, rolling)	Door Fire Rating (hours)	Door Closed Latched or Self-Closing	Door in Good Condition and is Undamaged	Door has no Holes and unmodified	Door Will Close and Latch on First Try (Actual Operation)	Door is not Blocked Open or Prevented from Closing	Comments
PD1-07	PB 1st floor	Swinging	1						
PD1-09	PB 1st floor	Swinging	1						
PD1-12	PB between 1st and 2nd floor	Swinging	1						
PD2-02	PB 2nd floor	Swinging	1						
PD2-07	PB 2nd floor	Swinging	3						
PD2-08	PB 2nd floor	Swinging	3						
PD2-32	PB 2nd floor	Swinging	1						
PD2-35	PB 2nd between 2nd and 3rd floor	Swinging	1						
PD3-10	PB 3rd floor	Swinging	1						
PD3-13	N. Stair Tower	Swinging	1						
PD2-21	Personnel Bldg, 2nd floor	Swinging	1						
PD 3-09	Personnel Bldg, 3rd floor	Swinging	1						
PD2-41	Foam Control Area	Swinging	1						
PD2-42	Foam Control Area	Swinging	1						
PD2-43	Foam Control Area	Swinging	1						
PD2-44	Foam Control Area	Swinging	1						

Attachment E: Fire Door Monthly Inspection Checklist
(Page 2 of 3)

Fire Door Number	Fire Door Location (Floor and Column Line)	Door Type (Swinging, sliding, rolling)	Door Fire Rating (hours)	Adequate Space is Maintained to Combustible Material	Fusible Links are Intact and not Painted	Door Label is Intact, Legible and is not Painted	Door Is Numbered and Labeled	Hinges or Closers are Properly Adjusted	Comments
PD1-07	PB 1st floor	Swinging	1						
PD1-09	PB 1st floor	Swinging	1						
PD1-12	PB between 1st and 2nd floor	Swinging	1						
PD2-02	PB 2nd floor	Swinging	1						
PD2-07	PB 2nd floor	Swinging	3						
PD2-08	PB 2nd floor	Swinging	3						
PD2-32	PB 2nd floor	Swinging	1						
PD2-35	PB 2nd between 2nd and 3rd floor	Swinging	1						
PD3-10	PB 3rd floor	Swinging	1						
PD3-13	N. Stair Tower	Swinging	1						
PD2-21	Personnel Bldg, 2nd floor	Swinging	1						
PD 3-09	Personnel Bldg, 3rd floor	Swinging	1						
PD2-41	Foam Control Area	Swinging	1						
PD2-42	Foam Control Area	Swinging	1						
PD2-43	Foam Control Area	Swinging	1						
PD2-44	Foam Control Area	Swinging	1						

Attachment E: Fire Door Monthly Inspection Checklist
(Page 3 of 3)

Additional Comments:

Performed By: _____ Date: _____
O&M Personnel

Reviewed By: _____ Date: _____
SS

Reviewed By: _____ Date: _____
Fire Protection Engineer

Reviewed By: _____ Date: _____
MM

Attachment F: Fire Door Annual Inspection Checklist

FDAIC-

SS Approval to Proceed | Date | (YYMMDD)

Fire Door Number	Fire Door Location (Floor and Column Line)	Door Fire Rating (hours)	Clearance between edge of door on pull side and frame (1/8 ± 1/16 inch)	Clearance between bottom of door and raised non-combustible sills (maximum of 3/8 inch)	Clearance between bottom of door and floor with no sill (maximum of 3/4 inch)	Latch throw (minimum of 1/2 inch)	Comments
PD1-07	PB 1st floor	1					
PD1-09	PB 1st floor	1					
PD1-12	PB between 1st and 2nd floor	1					
PD2-02	PB 2nd floor	1					
PD2-07	PB 2nd floor	3					
PD2-08	PB 2nd floor	3					
PD2-32	PB 2nd floor	1					
PD2-35	PB 2nd between 2nd and 3rd floor	1					
PD3-10	PB 3rd floor	1					
PD3-13	N. Stair Tower	1					
PD2-21	Personnel Bldg, 2nd floor	1					
PD 3-09	Personnel Bldg, 3rd floor	1					
PD2-41	Foam Control Area	1					
PD2-42	Foam Control Area	1					
PD2-43	Foam Control Area	1					
PD2-44	Foam Control Area	1					

Performed By: _____ Date: _____
O&M Personnel

Reviewed By: _____ Date: _____
SS

Reviewed By: _____ Date: _____
Fire Protection Engineer

Reviewed By: _____ Date: _____
MM

Attachment G: WPF Structures CM Documentation

WPFSCMD- _____
(YYMMDD-#)

Describe the deficiency and required LO/TO:

SS approval to proceed: _____ Date: _____

MM approval to proceed: _____ Date: _____

CSE (if SS SSC) approval to proceed: _____ Date: _____

Conditions found (include known/possible causes):

Repairs performed:

Post Maintenance Testing Results:

Performed By: _____ Date: _____
O&M Personnel

Reviewed By: _____ Date: _____
SS

Reviewed By (for SS SSC): _____ Date: _____
CSE

Reviewed By: _____ Date: _____
MM

Attachment H: WPA Replacement Part Approval

Record Number: **WPARPA-** _____
(YYMMDD)

	Replacement Part Description *(E-Existing Part, R-Replacement Part)*	Manufacturer and Part or Model Number	Engineering Approval (CSE for SS SSC)
E			
R			
E			
R			
E			
R			
E			
R			
E			
R			
E			
R			
E			
R			

Forward original to DCRM.