

M-32

TO: G.C. COMFORT
FROM: B.J. HOFFMAN

WV-52 NRC HEADQUARTERS
TEL: 716 942-4572

DATE: 01/30/97
PAGE: 1

TRANSMITTAL NUM: 000008839

CONTROLLED COPY TRANSMITTAL / RECEIPT ACKNOWLEDGEMENT

Attached is a CONTROLLED COPY of the following document(s) and its applicable index. Add or replace your existing copy with the attached.

CONTROLLED COPY#	PROC ID	REV#	FC#	ISSUE DATE	PROCEDURE TITLE
006	WVDP-218	7	2	01/30/97	PREFACE FOR PROCESS SAFETY REQUIREMENTS

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I have complied with the above instructions:

ORIGINAL SIGNED BY G. COMFORT
Signature (BLACK INDELIBLE INK ONLY)

2/10/97
Date

RETURN BY: 02/13/97

9702120134 970129
PDR PROJ
M-32 PDR

PROJECT M-32

FOR YOUR CONVENIENCE, A SELF-ADDRESSED, STAMPED ENVELOPE HAS BEEN INCLUDED.

DATE: 01/30/97
TIME: 11:51

PROCESS SAFETY REQUIREMENTS
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<u>PROC ID</u>	<u>REV</u>	<u>FC</u>	<u>PROCEDURE TITLE</u>	<u>STATUS</u>	<u>ISSUE DATE</u>	<u>COGNIZANT MANAGER</u>
WVDP-218	7		PREFACE FOR PROCESS SAFETY REQUIREMENTS	ACTIVE	08/09/96	LAZZARO, J.A.
WVDP-218	7	1	PREFACE FOR PROCESS SAFETY REQUIREMENTS	ACTIVE	11/19/96	LAZZARO, J.A.
WVDP-218	7	2	PREFACE FOR PROCESS SAFETY REQUIREMENTS	ACTIVE	01/30/97	LAZZARO, J.A.
PSR-1	1		REQUIREMENTS FOR LIQUID TRANSFERS OF FISSILE MATERIAL	ACTIVE	03/15/96	POTTS, W.J.
PSR-2	1		MAIN PLANT STACK AIRBORNE EFFLUENT SAMPLING SYTEM REQUIREMENTS	ACTIVE	03/15/96	POTTS, W.J.
PSR-3	1		BUILDING AND VESSEL VENTILATION SYSTEM REQUIREMENTS	ACTIVE	03/15/96	POTTS, W.J.
PSR-5	1		STANDBY AND BACKUP POWER REQUIREMENTS	ACTIVE	03/15/96	POTTS, W.J.
PSR-5	1	1	STANDBY AND BACKUP POWER REQUIREMENTS	ACTIVE	01/24/97	POTTS, W.J.
PSR-6	1		FISSILE MATERIAL PACKAGING AND STORAGE REQUIREMENTS	ACTIVE	07/10/96	KLANIAN, P.S.
PSR-7	1		EVACUATION ALARM, EMERGENCY PAGING SYSTEM, AND SHELTERING ALARM REQUIREMENTS	ACTIVE	03/15/96	WINGER, P.G.
PSR-8	1		FIRE PROTECTION SYSTEMS REQUIREMENTS	ACTIVE	03/15/96	WINGER, P.G.
PSR-8	1	1	FIRE PROTECTION SYSTEMS REQUIREMENTS	ACTIVE	01/23/97	WINGER, P.G.
PSR-10	2		HIGH-LEVEL WASTE TANK LEAK DETECTION SYSTEM REQUIREMENTS	ACTIVE	05/08/96	MEESS, D.C.
PSR-11	1		HIGH-LEVEL WASTE TANK SPARE CAPACITY REQUIREMENTS	ACTIVE	03/15/96	MEESS, D.C.
PSR-12	2		VITRIFICATION FACILITY VENTILATION AND OFF-GAS SYSTEMS REQUIREMENTS	ACTIVE	03/28/96	MEESS, D.C.
PSR-12	2	1	VITRIFICATION FACILITY VENTILATION AND OFF-GAS SYSTEMS REQUIREMENTS	ACTIVE	07/11/96	MEESS, D.C.
PSR-12	2	2	VITRIFICATION FACILITY VENTILATION AND OFF-GAS SYSTEMS REQUIREMENTS	ACTIVE	10/07/96	MEESS, D.C.
PSR-13	2		VITRIFICATION FACILITY STANDBY POWER REQUIREMENTS	ACTIVE	03/28/96	MEESS, D.C.
PSR-13	2	1	VITRIFICATION FACILITY STANDBY POWER REQUIREMENTS	ACTIVE	05/24/96	MEESS, D.C.
PSR-13	2	2	VITRIFICATION FACILITY STANDBY POWER REQUIREMENTS	ACTIVE	07/11/96	MEESS, D.C.
PSR-15	2		VITRIFICATION FACILITY NON-RADIOLOGICAL SYSTEM MONITORING REQUIREMENTS	ACTIVE	05/16/96	MEESS, D.C.
PSR-16	4		ANHYDROUS AMMONIA REQUIREMENTS	ACTIVE	10/30/96	MEESS, D.C.
PSR-16	4	1	ANHYDROUS AMMONIA REQUIREMENTS	ACTIVE	12/20/96	MEESS, D.C.
PSR-17	1		MINIMUM STAFFING LEVELS FOR SAFE FACILITY OPERATION	ACTIVE	08/05/96	LAZZARO, J.A.
PSR-9	1		TN-BRP AND TN-REG SHIPPING CASK LID INSTALLATION	CANCELLED	03/15/96	LAZZARO, J.A.
PSR-14	1		VITRIFICATION FACILITY CONFINEMENT BARRIER REQUIREMENTS	CANCELLED	03/15/96	LAZZARO, J.A.

WEST VALLEY NUCLEAR SERVICES CO., INC.
RECORD OF FIELD/PAGE CHANGE

Document ID No. WVDP-218 Rev. No. 7 FC/PC No. 2
Cognizant Author Roy Schubert Date 1/23/97 Page 1 of 2

Approval Signatures:

R. L. Schubert Roy Schubert 1/23/97
Cognizant Author (Printed Name) (Signature) Date

J. A. Lazzaro J. A. Lazzaro 01/28/97
Cognizant Manager (Printed Name) (Signature) Date

J. J. Volpe R. J. Volpe 1/29/97
(Printed Name) (Signature) Date

(Printed Name) (Signature) Date

(Printed Name) (Signature) Date

(Printed Name) (Signature) Date

(Printed Name) (Signature) Date

1. USQD, WV-3306: ☐ Attached
☒ Not Attached; USQD Safety Exclusion Previously completed and sent to Records Management (per WV-914).
2. Cognizant Manager ☒ if FC/PC Constitutes a Periodic Review: ☒
3. Are other documents impacted by these changes: ☒ No
☐ Yes If Yes, complete WV-2006.

OPERATIONS PROCEDURES (SOPs/SIPs/DVPs) ONLY:

1. ☐ The following changes are Waste Form Acceptance Impacting.
☒ The following changes are Waste Form Acceptance Non-Impacting.
2. Walk-through Required on WV-3802 (Optional): ☒ No ☐ Yes
If Yes, signature indicating walk-through complete:

Operations Manager/Designee (Printed Name) (Signature) Date

3. Training Required: ☒ No ☐ Yes

If yes, contact responsible Training Coordinator (if applicable) & initiate WV-1719.

WEST VALLEY NUCLEAR SERVICES CO., INC.
RECORD OF FIELD/PAGE CHANGE CONTINUATION FORM

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[illegible]

WVNS RECORD OF REVISION

DOCUMENT

If there are changes to the controlled document, the revision number increases by one. Indicate changes by one of the following:

- Placing a vertical black line in the margin adjacent to sentence or paragraph that was revised.
- Placing the words GENERAL REVISION at the beginning of the text.
- Placing either FC#> or PC#> (whichever applies) in the left-hand margin at the beginning of the paragraph or section where the field/page change has been made AND placing a vertical black line in the margin adjacent to the actual change.

Example:

The vertical line in the margin indicates a change.

FC1>

The FC#> in the margin along with the vertical line (redline) indicates a change.

Rev. No.	Description of Changes	Revision On Page(s)	Dated
0	Document approved - Reference Letter WD:95:0195, J. A. Lazzaro to T. J. Rowland, "WVDP Process Safety Requirements (PSRs)," dated 03/03/95. Original document approved, but not issued through controlled distribution.	All	03/03/95
1	Incorporate DOE-WV comments received from review of Rev. 0.	All	08/16/95
2	Update Tables 1 & 2 to reflect issuance of PSR-12 and PSR-13.	All	08/31/95
3	Update introduction, add definition of threshold planning quantity, and update Tables 1 & 2.	All	01/16/96
4	Update Tables 1 & 2.	10-13	03/15/96
5	Update Table 2.	13	04/24/96
6	Update Table 2.	13	05/16/96

WVNS RECORD OF REVISION CONTINUATION FORM

Rev. No.	Description of Changes	Revision On Page(s)	Dated
7	Replace reference to WV-987 with WVDP-242.	1	08/09/96
	Add provision for removing equipment from service.	2	
	Update Table 2.	12-14	
	DOE approval contained in Letter DW:96:0620, dated 08/06/96.		
PC#1	Added definition of FILTER MODULE	5	11/19/96
PC#2	Update Table 2	12&13	01/30/97

TABLE 1
PROCESS SAFETY REQUIREMENTS
(FOR INFORMATION ONLY)

Process Safety Requirements(*)	Title	Approval Authority
PSR-1 (OSR/GP-7)	Requirements for Liquid Transfers of Fissile Material	DOE-WV
PSR-2 (OSR/GP-10)	Main Plant Stack Airborne Effluent Sampling System Requirements	DOE-WV
PSR-3 (OSR/GP-3)	Building and Vessel Ventilation System Requirements	WVNS
PSR-5 (OSR/GP-5)	Standby and Backup Power Requirements	WVNS
PSR-6 (OSR/GP-12)	Fissile Material Packaging and Storage Requirements	DOE-WV
PSR-7 (TR/GP-13)	Evacuation Alarm, Emergency Paging System, and Sheltering Alarm Requirements	WVNS
PSR-8 (TR/GP-16)	Fire Protection Systems Requirements	DOE-WV
PSR-10 (OSR/IRTS-1 and OSR/IRTS-3)	High-Level Waste Tank Leak Detection System Requirements	WVNS
PSR-11 (OSR/IRTS-3)	High-Level Waste Tank Spare Capacity Requirements	WVNS
PSR-12	Vitrification Facility Ventilation and Off-Gas Systems Requirements	WVNS
PSR-13	Vitrification Facility Standby Power Requirements	WVNS
PSR-15	Vitrification Facility Non-Radiological System Monitoring Requirements	WVNS
PSR-16	Anhydrous Ammonia Requirements	DOE-WV
PSR-17	Minimum Staffing Levels for Safe Facility Operation	DOE-WV

(*) The information given in the parentheses provides a cross-reference between the old Operational Safety Requirements (OSRs) or Technical Requirements (TRs) and the new Process Safety Requirements (PSRs).

(Table 1 is provided for information only and does not require DOE-WV approval. Table 1 is updated periodically to reflect new PSRs.)

PC2>

TABLE 2
PSR IMPLEMENTING PROCEDURES
(FOR INFORMATION ONLY)

PSR #	PSR TITLE	IMPLEMENTING PROCEDURES
1	Requirements for Liquid Transfers of Fissile Material	SOP 06-02 Vessel Off-Gas System Operation SOP 07-08 Process Building Liquid Waste Handling SOP 71-06 Tank 12-35104, Tank 7D-13, and Tank 13D-8 Transfers SOP 71-10 Transfer of LWTS Evaporator Concentrates Tanks SOP 71-23 Transfer of Liquid From LWTS to 8D-2
2	Main Plant Stack Airborne Effluent Sampling System Requirements	EM 11 Documentation and Reporting of Environmental Data EM 101 Quality Assurance and Quality Control for Environmental Monitoring Services EMP-300 Routine WVDP Stack Air Effluent Monitoring and Sampling WVDP-098 Environmental Monitoring Program Plan
3	Building and Vessel Ventilation System Requirements	SOP 00-29 Main Plant Surveillance Data Sheet Control SOP 06-02 Vessel Off-Gas System Operation SOP 06-05 Replacement of the VOG Filter SOP 06-06 Replacement of VOG Back-Up Filters 6T-3 and 6T-3A SOP 08-01 Waste Tank Operation SOP 15-09 Process Building and Fuel Receiving and Storage Exhaust Fans SOP 15-20 Operation of the Head End Ventilation System SOP 15-21 Head End Vent Filter Change SOP 15-28 In Place Leak Test of HEPA Filters SOP 15-50 Ventilation Exhaust Cell Filter Changeout SOP 50-39 Tank 8D-1 Liquid Processing in STS SOP 50-44 Emergency Transfer of Tank 8D-2 Contents Via STS SOP 56-01 STS Building HVAC SOP 56-02 STS Permanent Ventilation System SOP 56-03 STS PVS Filter Change

TABLE 2
PSR IMPLEMENTING PROCEDURES
(FOR INFORMATION ONLY)
(Continued)

PSR #	PSR TITLE	IMPLEMENTING PROCEDURES
5	Standby and Backup Power Requirements	SOP 00-29 Main Plant Surveillance Data Sheet Control SOP 15-20 Operation of the Head End Ventilation System SOP 30-01 Main Plant - Standby Power Generation SOP 30-03 STS Quarterly Electrical Outage Test SOP 30-05 Main Plant Quarterly Power Outage Test SOP 30-08 STS/PVS Standby Generator Operation SOP 56-02 STS Permanent Ventilation System
6	Fissile Material Packaging and Storage Requirements	SOP 09-02 Radioactive Waste Packaging/Repackaging SOP 09-21 Lag Storage Operations SOP 09-24 Lag Storage Inspection
7	Evacuation Alarm, Emergency Paging System, and Sheltering Alarm Requirements	COS-SOP-029 Daily 812 All-Page System Check WVDP-022 WVDP Emergency Plan
8	Fire Protection Systems Requirements	WVDP-177 WVDP Fire Protection Manual SOP 33-02 Maintenance and Testing Fire Pumps SOP 33-03 Testing Sprinkler Systems SOP 33-09 Water Supply for the Fire Protection System
10	High-Level Waste Tank Leak Detection System Requirements	SOP 08-01 Waste Tank Operation
11	High-Level Waste Tank Spare Capacity Requirements	SOP 08-01 Waste Tank Operation SOP 55-05 Operation of the WTF Chemical Addition System SOP 55-08 Zeolite Transfer Run Plan SOP 55-13 Waste Return From CFMT

TABLE 2
PSR IMPLEMENTING PROCEDURES
(FOR INFORMATION ONLY)
(Concluded)

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PSR #	PSR TITLE	IMPLEMENTING PROCEDURES
12	Vitrification Facility Ventilation and Off-Gas Systems Requirements	SOP 15-28 In Place Leak Test of HEPA Filters SOP 30-05 Main Plant Quarterly Power Outage Test SOP 63-37 Vitrification Operations Surveillance Data Sheet Control SOP 63-83 Standby Diesel Generator and Electrical Distribution System Operation SOP 64-01 NO _x Abatement and Radioactive Particulate Reduction System SOP 64-06 Ex-Cell Off-Gas HEPA Filter Replacement SOP 67-01 Vitrification Facility HVAC System SOP 67-06 Filter Change Procedure for VF HVAC Secondary Filters SOP 67-07 Filter Change Procedure for VF Primary (In-Cell Filters)
13	Vitrification Facility Standby Power Requirements	SOP 30-05 Main Plant Quarterly Power Outage Test SOP 63-37 Vitrification Operations Surveillance Data Sheet Control SOP 63-83 Standby Diesel Generator and Electrical Distribution System Operation SOP 64-01 NO _x Abatement and Radioactive Particulate Reduction System
15	Vitrification Facility Non-Radiological System Monitoring Requirements	SOP 63-81 Vitrification Alarm Responses
16	Anhydrous Ammonia Requirements	SOP 63-81 Vitrification Alarm Responses SOP 64-05 Receipt of Bulk Anhydrous Ammonia
17	Minimum Staffing Levels for Safe Facility Operation	SOP 00-33, Conduct of Operations WVNS-TPL-63-004, Vitrification Facility Integrated Operations Run Plan WVNS-IRP-001, Vitrification Radioactive Operation Run Plan

(Table 2 is provided for information only and does not require DOE-WV approval. Table 2 is updated periodically to reflect new implementing procedures.)