

50-201

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

OCT 27 1978

Docket 50-201

MEMORANDUM FOR: L. C. Rouse, Acting Chief
Fuel Reprocessing and Recycle Branch

FROM: Charles J. Haughney
Fuel Reprocessing and Recycle Branch

APPLICANT/LICENSEE: Nuclear Fuel Services, Inc. (NFS)

FACILITY: NFS, West Valley, N.Y.

SUBJECT: SUMMARY OF MEETING WITH NFS ON DEVELOPMENT
OF INFORMATION USEFUL FOR DECOMMISSIONING
OCTOBER 5, 1978

Purpose: To discuss the progress of NFS efforts to process technical data useful for future decontamination and decommissioning of the West Valley facility.

Place and Date: NRC Office of Nuclear Material Safety and Safeguards, Silver Spring, Md.

Participants: Please see attached list.

Reference Index of NFS Facility Design Data:

The index for plant area 2, Mechanical Processing, which includes the General Purpose Cell (GPC) and the Process Mechanical Cell (PMC), is complete. A copy of this index is attached. The next plant area to be indexed is area 3, Dissolution and Feed Preparation.

Report of Decontamination History:

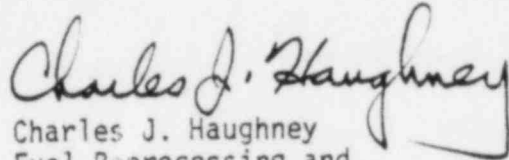
A draft report on the decontamination of vessels and piping in the plutonium cycle has been prepared. It is estimated that the entire draft report of decontamination history will be completed in about six months.

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Next Meeting:

The next meeting is planned for Wednesday, November 8, 1978, at the NRC offices in Silver Spring, Maryland.



Charles J. Haughney
Fuel Reprocessing and
Recycle Branch
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and Material Safety

Enclosures:

1. List of Meeting Participants
2. Index for Plant Area 2

cc: Distribution List
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OCTOBER 5, 1978

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Specifications

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3.1.10 2V-5 Pin Shear

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2A-1-570 Tilt Shroud (Vendor)
2A-1-571 Vertical Section (Vendor)
2A-1-572 Gear Driven Positioner (Vendor)
2A-1-573 Horizontal Section (Vendor)
2A-1-574 Spacer Platform (Vendor)

Specifications

4413-A-1 General
4413-A-2 Material in Radioactive Areas
2A-1-51 Spec for Maintenance Table

Material Requisition

2A-1 Maintenance Table

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3.1.15 2V-27 PMC-GPC Hatch Cover

Drawings

2A-1-87 GPC Hatch Cover (Vendor)
2A-1-137 GPC Hatch Cover Procedure (Vendor)
2A-1-204 Slings for PMC-GPC Hatch (Vendor)
2A-1-502 Spare Parts List (Vendor)

Specifications

4413-A-1 General
4413-A-2 Material in Radioactive Areas

Material Requisition

4413-2A-1 PMC-GPC Hatch Cover

3.1.16 2V-28 GPC-SR Hatch Cover, Frame and Operating Unit

Drawings

2A-T-56 GPC-SR Hatch Operating Unit (Bechtel)

3.1.17 2V-30 Hatch Cover, FRS-PMC

Drawings

2A-1-88 Hatch Cover FRS Diagram (Vendor)
2A-1-89 Hatch Cover Details (Vendor)
2A-1-90 Hatch Cover Details (Vendor)
2A-1-91 FRS Hatch Cover (Vendor)
2A-1-218 Shop Test Procedure (Vendor)
2A-1-275 Air Manifold (Vendor)
2A-1-521 Maintenance Instructions (Vendor)
2A-1-522 Spare Parts List (Vendor)
2A-1-523 Operating Manual (Vendor)

Specifications

4413-A-1 General
4413-A-2 Equipment in Radioactive Areas

Material Requisition

4413-2A-1 FRS-PMC Hatch Cover

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Mechanical
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3.1.18 2V-33 Chopped Fuel Basket Loading Station

Drawings

2A-T-6	Fuel Basket Loading Station Sht 1 (Bechtel)
2A-T-7	Fuel Basket Loading Station Sht 2 (Bechtel)
2V-56-1	Guide Roll (Vendor)
2V-56-2	Pin-Short (Vendor)
2V-56-3	Retainer Ring (Vendor)
2V-56-4	Pin Long (Vendor)
2V-56-5	Carrier Stop (Vendor)
2V-56-6	Guide-Basket (Vendor)
2V-56-7	Wheel (Vendor)
2V-56-8	Spacing (Vendor)
2V-56-9	Swing Arm Short (Vendor)
2V-56-10	Coupling (Vendor)
2V-56-11	Adjusting Screw (Vendor)
2V-56-12	Packing Gland (Vendor)
2V-56-13	Shaft Drive Long (Vendor)
2V-56-14	Frame-Left Side (Vendor)
2V-56-15	Frame-Right Side (Vendor)
2V-56-16	Guide Track (Vendor)
2V-56-17	Coupling Shaft (Vendor)
2V-56-18	Swing Arm-Long (Vendor)
2V-56-19	Pillow Block (Vendor)
2V-56-20	Stop Bracket (Vendor)
2V-56-21	Carrier-Basket (Vendor)
2V-56-22	Spur Gear (Vendor)
2V-56-24	Assembly (Vendor)
2V-56-26	Angle Wear Plate (Vendor)
2V-56-27	Stop-Pin (Vendor)
2V-56-29	Gear Rack Assembly (Vendor)

Specifications

4413-A-1	General
4413-A-4	Fab Specification
4413-V-23	Basket Loading Station 2V-35
4413-X-1	Surface Preparation

Material Requisition

4413-2V-56	GPC Mechanical Equipment
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3.1.19 2V-36 Empty Fuel Basket Storage Socket GPC

Drawings

2C-T-24 Empty Fuel Basket Storage Rack (Bechtel)
2V-55-3 Details Empty Storage Socket (Vendor)
2V-55-4 Welding Procedure (Vendor)

Specifications

4413-A-1 General
4413-A-4 Fabrication Specification

Material Requisition

4413-2V-55 GPC Fuel Basket Sockets

3.1.20 2V-37 Loaded Basket Transfer Station GPC

Drawings

2V-55-1 Details Transfer Socket (Vendor)

Specifications

4413-A-1 General
4413-A-4 Fabrication Specification

Material Requisition

4413-2V-55 GPC Fuel Basket Sockets

3.1.21 2V-38 Leached Hull Dumping Station GPC

Drawings

2A-T-11 Leached Hull Dumping Station Sh 1 (Bechtel)
2A-T-12 Leached Hull Dumping Station Sh 2 (Bechtel)
2V-56A-28 Gear Rack Assembly Short (Vendor)
2V-56A-29 Gear Rack Assembly (Vendor)
2V-56A-30 Pin Basket Stop (Vendor)
2V-56A-32 Basket Stop (Vendor)
2V-56A-36 Gear (Vendor)
2V-56A-37 Shaft (Vendor)
2V-56A-38 Guide Rack (Vendor)
2V-56A-39 Bracket Cylinder (Vendor)
2V-56A-40 Sleeve Hopper Shaft (Vendor)
2V-56A-41 Shaft, Drive (Vendor)

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2V-56A-42	Shaft, Hopper (Vendor)
2V-56A-43	Swing Arm, Cylinder (Vendor)
2V-56A-45	Pillow Block (Vendor)
2V-56A-46	Leached Hull Dumper Assembly (Vendor)
2V-56A-48	Basket Carrier (Vendor)
2V-56A-49	Frame (Vendor)
2V-56A-50	Frame (Vendor)
2V-56A-53	Base (Vendor)
2V-56A-75	Mounting Plate (Vendor)
2V-56A-76	Shaft Retainer (Vendor)

Specifications

4413-A-1	General
4413-A-4	Fabrication Specification
4413-V-23	Leach Hull Dumping Station Spec

Material Requisition

4413-2V-56 GPC Mechanical Equipment

3.1.22 2V-42 Chopped Fuel Basket Pickup Device

Drawings

3A-T-9	Chopped Fuel Basket Handling Device (Bechtel)
15V-51-1	Chopped Fuel Basket Pickup Device (Vendor)
15V-51-2	Storage Bracket (Vendor)
15V-51-3	Bill of Material (Vendor)
15V-51-4	Ratchet, Lower (Vendor)
15V-51-5	Inner Sleeve (Vendor)
15V-51-8	Follower Plug (Vendor)
15V-51-11	Shoulder Screw (Vendor)
15V-51-19	Roller Shaft (Vendor)
15V-51-22	Ratchet Housing (Vendor)
15V-51-29	Gear Pinion (Vendor)
15V-51-30	Drive Gear (Vendor)

Specifications

4413-A-1	General
4413-A-4	Fabrication Specification
4413-X-1	Surface Preparation
4413-V-35	Chopped Fuel Basket Pickup Device

Material Requisition

4413-15V-51 Chopped Fuel Basket Pickup Device

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3.1.23 2V-43A 8" Chopped Fuel Liner Pickup Device

Drawings

2A-T-9 Chopped Fuel Liner Pickup Device (Bechtel)
2V-125-1 Basket Liner Pickup Device Assembly (Vendor)
2V-125-3 Basket Liner Pickup Device Details (Vendor)

Specifications

4413-A-1 General
4413-A-4 Fabrication Specification
4413-V-36 Chopped Fuel Liner Pickup Device

Material Requisition

4413-2V-125 Chopped Fuel Liner Pickup Device

3.1.24 2V-52 Leached Hull Transfer Station Socket

Drawings

2C-T-30 Fuel Basket Loading and Transfer Station (Bechtel)
2V-55-2 Details of Hull Transfer Socket (Vendor)

Specifications

4413-A-1 General
4413-A-4 Radioactive Fabrication Spec

Material Requisition

4413-2V-55 GPC Fuel Basket Socket

3.1.25 2V-53 Hinged Section of Crane Rails GPC

Drawings

2B-T-31 Hinged Section of Crane Rails, GPC (Bechtel)
15V-59-1 Hinged Crane Rail Sht 1 (Vendor)
15V-59-2 Hinged Crane Rail Sht 2 (Vendor)
15V-59-3 Hinged Crane Rail Subassembly (Vendor)
15V-59-5 Assembly Transfer Slot (Vendor)

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3.1.26 2V-1A/2V-1B Bridge Cranes (PMC)

Drawings

2A-1-33	Mounting Hardware (Vendor)
2A-1-34	Rails Mounting (Vendor)
2A-1-35	Cable Supports (Vendor)
2A-1-37	Wall Embedments (Vendor)
2A-1-132	Wiring Diagram (Vendor)
2A-1-171	General Arrgt. (Vendor)
2A-1-172	General Arrgt. (Vendor)
2A-1-216	Shop Test (Vendor)
2A-1-377	Wiring Diagram (Vendor)
2A-1-383	Special Details (Vendor)
2A-1-384	Trolley Drive (Vendor)
2A-1-385	Explosion Proof Motor (Vendor)
2A-1-386	Explosion Proof Motor (Vendor)
2A-1-387	Break Release (Vendor)
2A-1-388	Class R-1 Form (Vendor)
2A-1-389	Overload Switch (Vendor)
2A-1-390	Solenoid Linkage (Vendor)
2A-1-391	Form 42 Spec (Vendor)
2A-1-392	Clearance Diagram (Vendor)
2A-1-393	Welded Beam (Vendor)
2A-1-394	Cable Roller (Vendor)
2A-1-410	Junction Box (Vendor)
2A-1-502	Spare Parts List (Vendor)
2A-1-562	Installation Manual (Vendor)
2A-1-563	Fuel Handling Cranes (Vendor)
2A-1-564	Assembly (Vendor)

Specifications

2A-1-52 Spec for PMC Bridge Cranes

Material Requisition

4413-2A-1 PMC Cranes

3.1.27 2V-8 Extended Reach HD Master-Slave Manipulators (PMC)

2V-32A Extended Reach Master-Slave
2V-32B Manipulators (GPC)

NOTE: The original manipulators in the PMC and GPC were made by AMF. These were replaced in 1966 by heavy duty manipulators manufactured by Central Research Laboratories, Inc.

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Drawings

A-617	Tong Assembly (Vendor)
A-6180	Tong Assembly (Vendor)
A-6130	Wrist Joint (Vendor)
A-6131	Wrist Joint (Vendor)
A-6152	2-Speed Auto-Shift (Vendor)
A-6153	2-Speed Auto-Shift (Vendor)
A-6154	2-Speed Auto-Shift (Vendor)
A-6265	Plug in Jaw Tong (Vendor)
A-6278	Plug in Jaw Tong (Vendor)
D-6383	Motion Lock (Vendor)
A-6388	Motion Lock (Vendor)
D-6458	Tie Rod Assembly (Vendor)
A-6459	Tie Rod Assembly (Vendor)
D-6471	Lateral Rotation (Vendor)
A-6476	Lateral Rotation (Vendor)
C-6516	Laminated Radiation Shield (Vendor)
A-6517	Laminated Radiation Shield (Vendor)
B-6624	Azimuth Guard Assembly (Vendor)
C-6628	Seal Ring (Vendor)
A-6633	Seal Ring (Vendor)
A-6641	Azimuth Guard Assembly (Vendor)
C-6689	2X Tong Squeeze (Vendor)
A-6690	2X Tong Squeeze (Vendor)
C-6691	3X Tong Squeeze (Vendor)
A-6692	3X Tong Squeeze (Vendor)
C-6780	Motion Lock (Vendor)
A-6781	Motion Lock (Vendor)
A-6819	X Motion Lock (Vendor)
C-6820	X Motion Lock (Vendor)
D-6925	2X Tong Assembly (Vendor)
D-8264	Extension Tube Assembly (Vendor)
D-8296	Slave Pilot Ass'y (Vendor)
D-8297	Slave Pilot Ass'y (Vendor)
A-8298	Slave Pilot Ass'y (Vendor)
C-8303	Master Carriage (Vendor)
A-8304	Master Carriage (Vendor)
C-8353	Motion Lock Box (Vendor)
A-8354	Motion Lock Box (Vendor)
A-8378	Extension Tube Assembly (Vendor)
D-8393	Master Ear & Pivot (Vendor)
A-8394	Master Ear & Pivot (Vendor)
A-8395	Master Ear & Pivot (Vendor)
D-8406	Trunk Tube Ass'y (Vendor)
A-8407	Trunk Tube Ass'y (Vendor)
D-8408	Extension Drive Ass'y (Vendor)
A-8409	Extension Drive Ass'y (Vendor)
B-8411	Master Pivot Pulley Bank (Vendor)
A-8412	Master Pivot Pulley Bank (Vendor)
D-8413	Frame Assembly (Vendor)
A-8414	Frame Assembly (Vendor)

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A-8415	Frame Assembly (Vendor)
D-8416	Extension Carriage (Vendor)
A-8417	Extension Carriage (Vendor)
D-8420	Slave Azimuth Assembly (Vendor)
A-8421	Slave Azimuth Assembly (Vendor)
D-8422	Slave Azimuth Assembly (Vendor)
A-8423	Slave Azimuth Assembly (Vendor)
A-8424	Slave Azimuth Assembly (Vendor)
D-8458	Master Arm Assembly (Vendor)
A-8459	Master Arm Assembly (Vendor)
D-8460	Master Wrist Joint (Vendor)
A-8461	Master Wrist Joint (Vendor)
A-8462	Master Wrist Joint (Vendor)
C-8541	"Y" Motion Lock Ass'y (Vendor)
A-8542	"Y" Motion Lock Ass'y (Vendor)
A-8643	Booting Assembly (Vendor)
A-8649	Booting Assembly (Vendor)
C-8803	Outer Sleeve Ass'y (Vendor)
A-8804	Outer Sleeve Ass'y (Vendor)
A-9023	Hand Guard Ass'y (Vendor)
A-9024	Hand Guard Ass'y (Vendor)
D-9065	Relay Box (Vendor)
A-9066	Relay Box (Vendor)
A-9067	Relay Box (Vendor)
A-9070	Pilot Light Ass'y (Vendor)
A-9071	Pilot Light Ass'y (Vendor)
A-9264	Extension Safety Stop (Vendor)
A-9265	Extension Safety Stop (Vendor)
A-9500	Selector Switch Ass'y (Vendor)
A-9501	Selector Switch Ass'y (Vendor)
D-9518	Electrical Assembly (Vendor)
A-9519	Electrical Assembly (Vendor)
D-9625	Air Restriction Ass'y (Vendor)
A-9626	Air Restriction Ass'y (Vendor)
D-9875	Relocation of Counter Hgts (Vendor)
C-10269	Extension Cwt Ass'y (Vendor)
A-10270	Extension Cwt Ass'y (Vendor)
B-10282	Slave Carriage (Vendor)
A-10283	Slave Carriage (Vendor)
A-10357	"Z" Motion Cwt Ass'y (Vendor)
A-10358	"Z" Motion Cwt Ass'y (Vendor)
C-10382	Removable Hook Ass'y (Vendor)
A-10383	Removable Hook Ass'y (Vendor)
C-10400	Parking Fixture Ass'y (Vendor)
A-10401	Parking Fixture Ass'y (Vendor)
B-10502	Tape Load Signal Ass'y (Vendor)
A-10503	Tape Load Signal Ass'y (Vendor)
A-10677	Roller Truck Mount (Vendor)
A-10678	Roller Truck Mount (Vendor)
A-10681	Roller Truck Mount (Vendor)

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A-10682 Roller Truck Mount (Vendor)
D-10700 2-Speed Auto Switch (Vendor)
B-12054 Removable Hook Assembly (Vendor)

Specification

Per Central Research Laboratories General Specification

Material Requisition

NFS-9299 Master Slave Manipulators

Purchase Order

NFS-4455 Master Slave Manipulators

3.1.28 2V-34 2-Ton Crane GPC

The original crane in the GPC was made by Programmed and Remote Systems Corp. This was replaced by one made by Sheppard Niles Crane and Hosit Corp.

Drawings

44590 Spec Class LA Truck (Vendor)
67-49891 Bridge Wiring (Vendor)
3A-49889 Girder Details (Vendor)
3A-49872 C1 Rg Form 42 (Vendor)
1B-49826-1 Clearance Diagram (Vendor)
9B-49890-2 End Truck Detail (Vendor)
53-50073 AC Main InterConnection (Vendor)

Specification

Per Sheppard Niles Specification Form #67A

Material Requisition

NFS-1083 GPC Crane Replacement

Purchase Order

NFS-22277 GPC Crane Replacement

3.1.29 2V-54 Crane Maintenance Door Unit

Drawings

15M-9-8 Dimension Sheet (Vendor)
DS-2P-1 Data Sheet (Bechtel)

Specification

4413-M-4 Shielding Door Spec

Material Requisition

4413-15M-9 Shielding Doors

3.1.30 2V-56 Criticality Guard Rails, GPC

Drawings

15M-6-115 Criticality Rail Details (Vendor)
2B-T-36 Criticality Guards (Bechtel)

Material Requisition

4413-15M-6 Structural Details

3.1.31 2V-57 Bundle Shear Discharge Chute, GPC

Drawings

2A-T-33 GPC Chopped Fuel Chute (Bechtel)
2V-114-1 Chute Top (Vendor)
2V-114-2 Closing (Vendor)
2V-114-3 Locating Pin (Vendor)
2V-114-4 Hanger Fuel Rod Chute (Vendor)
2V-114-5 Collar (Vendor)
2V-114-6 Collar - Tip Locking Pin (Vendor)
2V-114-7 Chute Support (Vendor)
2V-114-8 Locking Bar Retainer (Vendor)
2V-114-9 Locking Bar Chute Tip (Vendor)
2V-114-10 Gland Ring (Vendor)
2V-114-13 Retainer (Vendor)
2V-114-15 Bracket Chute Tip Lock (Vendor)
2V-114-19 Chute End Telescoping (Vendor)
2V-114-20 Tip Holder (Vendor)

Specifications

4413-A-1 General
4413-A-4 Fab. Spec for Radiation Areas
4413-V-37 Fuel Shear Chute

Material Requisition

4413-2V-114 Bundle Shear Discharge Chute

3.1.32 2V-61 Fuel Grapples PMC

Drawings

1A-T-14 Details Fuel Grapples (Bechtel)
1A-T-15 Fuel Ends Details (Bechtel)
2A-T-21 Fuel Grapples PMC 2V-61 (Bechtel)
2B-T-74 PMC Fuel Grapples (Bechtel)

2V-108-1	Fuel Grapples Drawing List (Vendor)
2V-108-2	Fuel Grapples Drawing List (Vendor)
2V-108-3	Fuel Grapples Drawing List (Vendor)
2V-108-4	Fuel Grapples Drawing List (Vendor)
2V-108-5	Fuel Grapples Drawing List (Vendor)
2V-108-16	Fuel Grapples Lifting Arm (Vendor)
2V-108-17	Fuel Grapples Shaft (Vendor)
2V-108-18	Fuel Grapples Pickup Tube (Vendor)
2V-108-19	Fuel Grapples Shaft (Vendor)
2V-108-20	Fuel Grapples Latch & Handle (Vendor)
2V-108-21	Fuel Grapples Outer Tube (Vendor)
2V-108-22	Fuel Grapples Outer Tube (Vendor)
2V-108-23	Fuel Grapples Shaft (Vendor)
2V-108-24	Fuel Grapples Support Flange (Vendor)
2V-108-25	Fuel Grapples Shaft (Vendor)
2V-108-27	Fuel Grapples Pickup Shaft (Vendor)
2V-108-28	Fuel Grapples Support Flange (Vendor)
2V-108-29	Fuel Grapples Outer Tube (Vendor)
2V-108-30	Fuel Grapples Outer Tube (Vendor)
2V-108-31	Fuel Grapples Outer Tube (Vendor)

Specifications

4413-A-1	General
4413-V-19	Fuel Grapples

Material Requisition

4413-2V-110 Misc. Tools & Equipment

3.1.34 2V-66 Packaged Hydraulic Power Unit

Drawings

2A-T-6	Chopped Fuel Loading Station (Bechtel)
2A-T-7	Chopped Fuel Loading Station (Bechtel)
2A-T-11	Hull Dumping Station (Bechtel)
2A-T-12	Hull Dumping Station (Bechtel)
DS-2P-2	Data Sheet (Bechtel)
2V-56-58	Hydraulic Flow Diagram (Bechtel)

Specifications

4413-A-1	General
4413-V-23	2V-56 Hydraulic Power Unit

Material Requisition

4413-2V-56 GPC Mechanical Equipment

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3.1.35 2V-71 Periscope Plugs GPC

Drawings

2A-T-19 Periscope Plugs (Bechtel)
15M-39-2 Periscope Plugs (Vendor)

Specification

4413-A-1 General

Material Requisition

4413-15M-39 Wall Penetration Plugs

3.1.36 2V-73 Power Manipulator (Bridge Mounted)

Drawings

2B-T-54 Power Manipulator 2V-73 (Bechtel)
2V-105-1 Arrangement (Vendor)
2V-105-2 Wiring Manip & Hoist (Vendor)
2V-105-4 Wiring Diagram (Vendor)
2V-105-5 Spare Parts (Vendor)
2V-105-6 Bridge Drive Disconnect (Vendor)
2V-105-7 Trolley (Vendor)
2V-105-8 Hook Assembly (Vendor)
2V-105-9 Carriage Assembly (Vendor)
2V-105-10 Hoist (Vendor)
2V-105-11 Installation (Vendor)
2V-105-13 Telescoping Tubes (Vendor)
2V-105-14 Bridge Assembly (Vendor)
2V-105-16 Hand & Wrist (Vendor)
2V-105-18 Model 3000 Assembly (Vendor)
2V-105-19 Safety Chain (Vendor)
2V-105-20 Assembly of Tubes (Vendor)
2V-105-21 Power Center Panel (Vendor)
2V-105-22 Controller (Vendor)
2V-105-24 Power Center Assembly (Vendor)
2V-105-25 Power Supply (Vendor)
2V-105-26 Motor Supply Panel "A" (Vendor)
2V-105-27 Motor Supply Panel "D" (Vendor)
2V-105-28 Motor Supply Panel "B" (Vendor)
2V-105-29 Installation Manual (Vendor)
2V-105-30 Operation Manual (Vendor)
2V-105-35 Outline Dimensions (Vendor)
2V-105-36 Outline Dimensions (Vendor)
2V-105-37 Wiring Diagram (Vendor)
2V-105-38 Test Report (Vendor)
2V-105-39 Test Report Hoist (Vendor)
2V-105-42 Gear Reducer (Vendor)
2V-105-43 Cable Assembly (Vendor)

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2V-105-45	In-Cell Junction Box (Vendor)
2V-105-46	Hook Assembly (Vendor)
2V-105-47	Shoulder Drive (Vendor)
2V-105-48	Safety Chain (Vendor)
2V-105-49	Carriage Assembly (Vendor)
2V-105-51	Manipulator Controller (Vendor)
2V-105-52	Power Center (Vendor)
2V-105-55	Outside Cell Junction Box (Vendor)
2V-105-56	Shoulder Assembly (Vendor)
2V-105-57	Motor Supply Panel (Vendor)
2V-105-58	Motor Supply Panel (Vendor)
2V-105-59	Motor Supply Panel (Vendor)
2V-105-60	Power Supply Panel (Vendor)
2V-105-62	Manipulator Controller (Vendor)
2V-105-64	Bridge Junction Box (Vendor)
2V-105-66	Carriage Junction Box (Vendor)
2V-105-67	Manip Conn Diagram (Vendor)
2V-105-75	Motor Supply Panel (Vendor)
2V-105-76	Motor Supply Panel (Vendor)

Specifications

4413-A-1	General
4413-A-4	Material in Radioactive Areas

Material Requisition

4413-2V-105 Manipulator, GPC

3.1.37 2V-75 Chute Adaptor Tip for 8" Baskets, GPC

Drawings

2A-T-46	Chute Adaptor Tip (Bechtel)
2V-114-14	Adaptor Tip Fuel Chute (Vendor)

Specification

4413-V-37 Chute Adaptor Tip, GPC

Material Requisition

4413-2V-114 Chute Adaptor Tip, GPC

3.1.38 2V-75A Tip Storage & Stand, GPC

Drawings

2A-T-46	Adaptor Tip & Storage Stand (Bechtel)
2V-114-18	Storage Stands (Vendor)

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Specifications

4413-A-1 General
4413-V-37 Storage Stands, GPC

Material Requisition

4413-2V-114 Adaptor Tip & Storage Stand

3.1.39 2V-80A Fuel Basket Liner Pickup Device (SR)

Drawings

2B-T-44 SR Liner Grapple and Storage (Bechtel)
2V-125-2 Pickup Device Assembly (Vendor)
2V-125-4 Pickup Device Housing (Vendor)
2V-125-6 Contact Flange (Vendor)
2V-125-7 Lifting Bar - Pickup CAM (Vendor)

Specifications

4413-A-1 General
4413-A-4 Material in Radioactive Areas
4413-V-36 Chopped Fuel Basket Liner Pickup Devices

Material Requisition

4413-2V-125 Chopped Fuel Basket Liner Pickup Devices

3.1.40 2V-81-A Settling Tray
2V-81-B Settling Pan
2V-81-C Permanent Liner for Settling Tray
2V-82 Seal Pan

Drawings

2A-T-15 Settling Pan and Seal Pan (Bechtel)
2V-118-1 Assembly & Details (Vendor)

Specifications

4413-A-1 General
4413-A-4 Material in Radioactive Areas

Material Requisition

4413-2V-118 Settling Pan and Seal Pan

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3.1.41 2V-91 Cable Guides, GPC

Drawings

2D-T-43	Cable Guides for Crane and PAR (Bechtel)
2V-128-1	Drawing List (Vendor)
2V-128-2	Parts List (Vendor)
2V-128-3	Parts List (Vendor)
2V-128-4	Flange Roller (Vendor)
2V-128-5	Cylinder Roller (Vendor)
2V-128-6	Barrel Roller (Vendor)
2V-128-7	Pin (Vendor)
2V-128-8	Assembly (Vendor)
2V-128-9	Assembly (Vendor)
2V-128-11	Guide Roller Frame (Vendor)

Specifications

4413-A-1	General
4413-A-4	Material in Radioactive Areas
4413-X-1	Painting

Material Requisition

4413-2V-128 Cable Guide for Crane and PAR

3.1.42 2V-63 Scrap Transfer Cask

Drawings

15C-T-497	Scrap Cask Removal Liner (NFS)
9B-T-665	Scrap Cask (Vendor)

Specification

Per Drawing No. 9B-T-665

Material Requisition

NFS-1377 Scrap Cask for Burial

Purchase Order

NFS-340 Scrap Cask

32. Dravo (Blaw-Knox)

3.2.1 50034 PMC Transfer Port

Drawings

2401-50033-1	Window Plug (Dravo)
2401-50033-2	Transfer Port Layout (Dravo)
2401-50034-1	Transfer Port Arrgt (Dravo)

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2401-50034-2	Transfer Port Shielding (Dravo)
2401-50034-3	Transfer Port Sections (Dravo)
2401-50034-4	Transfer Port Sub Assy (Dravo)
2401-50034-5	Transfer Port Limit Switch (Dravo)
2401-50034-6	Transfer Port Sections (Dravo)
2401-50034-7	Transfer Port Details (Dravo)
2401-50034-8	Arrgt Shielding Door (Dravo)
10600-50034-1	Arrgt (Vendor)
10600-50034-2	Shielding (Vendor)
10600-50034-3	Sections (Vendor)
10600-50034-4	Transfer Port Sub Assy (Vendor)
10600-50034-5	Transfer Port Limit Switch (Vendor)
10600-50034-6	Transfer Port Sections (Vendor)
10600-50034-7	Transfer Port Details (Vendor)
10600-50034-8	Transfer Port Shielding Door (Vendor)

Specifications

2401-D1.1 Machine Design Specification
2401-129.71 Special Paint Systems

Material Requisition

2401-10-50034-R-1 Transfer Port Shuttle Cart &
Window Plug

Purchase Order

2401-425 Transfer Port Shuttle Cart & Window Plug

3.3 General

Drawings

2C-T-232	Canister Holder in PMC (NFS)
2C-T-233	Catch Pan (NFS)
2C-T-259	Dynanometer & Hook (NFS)
2C-T-325	PMC Hook (NFS)
2C-T-376	Scrap Drum (NFS)
2C-T-379	PMC & GPC Filter Holder (NFS)
2D-T-434	PAR Wrist Assy (NFS)
2C-T-503	Manip Port Shielding Port (NFS)
2C-T-535	RAM Removal (NFS)
2D-T-671	Alignment Pin (NFS)
2B-T-865	Hydraulic Ram Removal (NFS)
2B-T-966	MSM Relay Box (NFS)
2B-P-967	MSM Wiring Assy (NFS)
2D-T-969	Airlock Landing (NFS)
2B-T-970	Latching Mechanism (NFS)
2C-T-975	Mounting Bracket (NFS)
2B-T-976	Viewing Window

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2C-T-998	Reel Cable Roller Assy (NFS)
2B-T-1000	Viewing Window Framing (NFS)
2B-T-1001	Viewing Window Location (NFS)
2B-T-1003	MCR Viewing Window (NFS)
2B-T-1004	MCR Viewing Window (NFS)
2D-T-1010	Junction Box (NFS)
2D-T-1011	Limit Switch (NFS)
2A-P-1012	Relay Box (NFS)
2B-P-1015	Wiring Assy (NFS)
2C-T-1019	Cable Reel (NFS)
2B-T-1049	Hoist Retrieval (NFS)
2B-T-1063	GPC Shielding Door (NFS)
2B-T-1074	Jack Assy & Details (NFS)
2C-P-1078	Motion Event Recorder (NFS)
2C-T-1083	Window Shutter (NFS)