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1	HNF-4844, Rev 0	N/A	0	A-Cell Eqpt Rmvl QPP	Q	1	1	1

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Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D OR N/A (See WHC-CM-3-5, Sec. 12.7)	1. Approval 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
		Design Authority				3		David O. Jenkins			L1-01
1	1	Design Agent	Dennis S. Takasumi	9/22/99	L1-02	3		E. D. (Dewayne) Smith			L1-01
		Cog. Eng.									
1	1	Cog. Mgr.	Steven H. Norton	9/22/99	L1-02	3		Central Files			B1-07
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1	1	Safety	Steve A. Norling	9-22-99	L6-57	3		DOE/RL Reading Room			H2-53
1	1	Env.	David E. Rasmussen	9/22/99	L1-04						

18. Signature of EDT Originator Mark A. Rieb Date: 09/22/99		19. Authorized Representative for Receiving Organization D.S. Takasumi Date: 9/22/99		20. Design Authority/Cognizant Manager S.H. Norton Date: 9/22/99		21. DOE APPROVAL (if required) Ctrl No. _____ <input type="radio"/> Approved <input type="radio"/> Approved w/comments <input type="radio"/> Disapproved w/comments	
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A-Cell Equipment Removal Quality Process Plan

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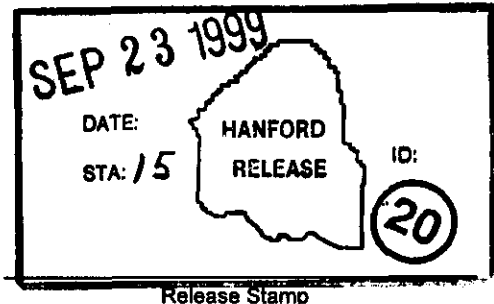
Key Words: QPP, Quality Process Plan, 324 Building, A-Cell, Equipment Removal

Abstract: This document establishes the quality assuring activities used to manage the 324 building A-Cell equipment removal activity. This activity will package, remove, transport and dispose of the equipment in A-Cell. This document is provided to ensure that appropriate and effective quality assuring activities have been incorporated into the work controlling documentation and procedures.

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Janis Aard 9-23-99
Release Approval Date



Approved For Public Release

1.0 PURPOSE

This Quality Process Plan (QPP) is prepared to demonstrate and to ensure that appropriate and effective quality assurance activities have been incorporated into the work controlling documentation, procedures, and work activities for the removal and packaging for disposal of the two large pieces of equipment located in A-cell. This QPP addresses the work activities to rig the equipment, remove the equipment from A-cell and move the equipment to the bagging system located in the Cask Handling Area. Also included will be the removal of the bagged equipment from the facility, placement on and tie down of the equipment for transportation to the 200 Area Burial grounds. All work will be performed inside of the 324 facility except for placing the equipment on a transporter and transportation to the burial grounds. This QPP does not address any previous work performed in support of this removal. That work was covered under separate QPP processes.

2.0 PROJECT SCOPE

This is the third and final stage of activities to remove all of the equipment from A-cell. The three stages are 1) Miscellaneous LLW waste load out, completed per 3I-TWP-98-006; 2) preparation of the electropolisher and water-cooled storage rack for disposal (3I-TWP-99-009 and QPP HNF-4843) and; 3) packaging and shipping of the electropolisher and water-cooled storage rack (3I-TWP-98-009 and attached Table 1). The work scope of this activity will remove the equipment from A-Cell, double bag the equipment, place the equipment on a transporter and ship the equipment to the burial grounds. All activities associated with this work will be the responsibility of BWHC. DynCorp Tri-Cities will provide rigging support for repositioning the equipment and rigging the equipment for final removal. In addition, DynCorp Tri-Cities will provide rigging and tie down services of the equipment onto the transporter. WMNW will be responsible for the actual shipment, removal from the transporter and actual placement of the equipment into the burial grounds. The shipments are road closure exclusive use shipments, and the Hanford Patrol will be responsible for the road closure activities to support this work.

3.0 OVERVIEW and BACKGROUND

Removal of the Electropolisher and the Water Cooled Storage Rack

Prior to starting this work the Electropolisher and the Water Cooled Storage Rack have had their respective shield plugs removed, utilities and external piping removed, the voids in the equipment filled, and the penetrations and holes covered and sealed per 3I-TWP-99-009, Preparation of A-Cell Equipment for Removal.

4.0 PROCESS PLAN

This section describes the quality process plan for the work necessary to remove the electropolisher and water cooled storage rack from A-Cell and place both pieces of equipment into the bagging systems for disposal as Low Level Waste (LLW). The plan covers equipment removal, packaging, loading onto a transport vehicle, and shipment of the equipment to the 200 Area Burial Grounds. The equipment will be placed into two pre-fabricated bags and the bags sealed. The sealed bags will be loaded onto a truck, tied down for transportation, and shipped in accordance with the Flexible Material SARP, WHC-SD-TP-SARP-007. Table 1 contains the quality assuring steps for the removal and packaging for disposal of the electropolisher and water-cooled storage rack.

Table 1 Remove A-Cell Equipment

Activity	Product	Procedure/ Instructions	Lead Individual (title)	Quality Assuring Action
Verify Pre-Start Conditions are complete, including A-Cell crane reweave for 10 ton capacity	TWP work ready to begin. A-Cell crane can pick equipment	TWP-98-009	BWHC Operations	Procedure steps
Verify Airlock and A-Cell radiological conditions	Personnel can enter cell	3I-SOP-REC-A-04	BWHC Operations	HP Hold Point in SOP
Install track system	Track system ready to remove electropolisher	TWP-98-009 Drawing ES-3I-99-497 sheets 1-4	BWHC Operations	Procedure steps
Assemble and inspect electropolisher containment bag system in CHA	Bags ready to receive electropolisher	TWP-98-009	BWHC Operations	Procedure steps HPT Inspect bags for conditions specified in TWP
Install final lifting rigging through bag system	Bags and rigging ready to receive electropolisher	TWP-98-009	BWHC Operations	Procedure step- Certified rigging used
Install temporary rigging w/dynamometer on Electropolisher in A-cell	Electropolisher ready to be moved	TWP-98-009	BWHC Operations	Procedure steps, certified rigging, calibrated dynamometer
Pick electropolisher and place on transfer plate	Electropolisher in position to be removed from cell	TWP-98-009	BWHC Operations	Procedure steps and sign off to record weight and M&TE information
Move electropolisher from Airlock to CHA	Electropolisher in Bags in CHA	TWP-98-009	BWHC Operations	Procedure steps

Activity	Product	Procedure/ Instructions	Lead Individual (title)	Quality Assuring Action
Seal containment, prepare for final load out	Electropolisher sealed in containment	TWP-98-009	BWHC Operations,	Procedure steps
Connect rigging,	Rigging correctly attached, item ready to pick	TWP-98-009	DynCorp Riggers	Procedure steps
Decon as required, verify contamination and radiation levels are acceptable for movement	Package radiological conditions acceptable for movement into truck lock.	TWP-98-009	BWHC Operations,	Procedure steps
Move electropolisher from CHA to Truck Lock	Electropolisher moved to Truck port	TWP-98-009	BWHC Operations	Procedure steps
Place Electropolisher onto truck lock cart	Electropolisher ready to be moved outside 324 facility	TWP-98-009	BWHC Operations	Procedure steps
Move electropolisher from Truck lock to Transporter using forklift	Electropolisher ready to load on transporter	TWP-98-009	FDH/DynCorp Teamster	Procedure steps
Pick electropolisher from Truck Lock Cart and place on transporter using crane	Electropolisher loaded on transporter	TWP-98-009	DynCorp Riggers	Procedure steps
Tie down electropolisher to transporter	Electropolisher ready for transport to burial grounds	TWP-98-009	DynCorp Riggers,	Procedure steps
Assemble and inspect water cooled storage rack containment bag system in CHA	Bags ready to receive water cooled storage rack	TWP-98-009	BWHC Operations	Procedure steps HPT Inspect bags for conditions specified in TWP

Activity	Product	Procedure/ Instructions	Lead Individual (title)	Quality Assuring Action
Install final lifting rigging through bag system	Bags and rigging ready to receive water cooled storage rack	TWP-98-009	BWHC Operations	Procedure step- Certified rigging used
Install temporary rigging w/dynamometer on Water cooled storage rack in A-cell	Water cooled storage rack ready to be moved	TWP-98-009	BWHC Operations	Procedure steps, certified rigging, calibrated dynamometer
Pick water cooled storage rack and place on transfer plate if required	Water cooled storage rack in position to be removed from cell	TWP-98-009	BWHC Operations	Procedure step and sign off to record weight and M&TE information
Move water cooled storage rack from Airlock to CHA	Water cooled storage rack in Bags in CHA	TWP-98-009	BWHC Operations	Procedure steps
Seal containment, prepare for final load out	Electropolisher sealed in containment	TWP-98-009	BWHC Operations,	Procedure steps
Connect rigging,	Rigging correctly attached, item ready to pick	TWP-98-009	DynCorp Riggers	Procedure steps
Decon as required, verify contamination and radiation levels are acceptable for movement	Package radiological conditions acceptable for movement into truck lock.	TWP-98-009	BWHC Operations,	Procedure steps
Move Water Cooled Storage Rack from CHA to Truck Lock	Water Cooled Storage Rack moved to Truck port	TWP-98-009	BWHC Operations	Procedure steps
Place Water cooled storage rack onto truck lock cart	Water cooled storage rack ready to be moved outside 324 facility	TWP-98-009	BWHC Operations	Procedure steps

Activity	Product	Procedure/ Instructions	Lead Individual (title)	Quality Assuring Action
Move water cooled storage rack from Truck lock to Transporter using forklift	Water cooled storage rack ready to load on transporter	TWP-98-009	FDH/DynCorp Teamster	Procedure steps
Pick water cooled storage rack from truck lock cart and place on transporter using crane	Water cooled storage rack loaded on transporter	TWP-98-009	DynCorp Riggers	Procedure steps
Tie down water cooled storage rack to transporter	Water cooled storage rack ready for transport to burial grounds	TWP-98-009	DynCorp Riggers,	Procedure steps
Review completed work package to ensure all records are complete	Work package may be closed out	TWP-98-009	BWHC Operations	Procedure step, PIC sign off.