

Office of River Protection



12-ECD-0061

DEC 19 2012

CCN: 251252

Ms. Jane A. Hedges, Program Manager
Nuclear Waste Program
Washington State
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99354

Dear Ms. Hedges:

SUBMITTAL OF DANGEROUS WASTE PERMIT DESIGN PACKAGE BOF-001, REVISION 0, FOR THE FAILED MELTER STORAGE FACILITY TO COMPLETE COMPLIANCE SCHEDULE ITEM 10

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10, 'Waste Treatment and Immobilization Plant.'"

This letter transmits Balance of Facilities (BOF) Permit Design Package BOF-001, Revision 0, Container Storage Area for BOF (Failed Melter Storage Facility) for the Washington State Department of Ecology (Ecology) review and approval.

A description of the BOF-001, Revision 0, permit package is provided in Attachment 1. The permit package is provided in Attachment 2. Certification statements are provided in Attachment 3.

Design information associated with other Waste Treatment and Immobilization Plant container and container management areas has been submitted in Permit Packages LAW-004, LAB-005, and HLW-021. The container management area for the Low-Activity Waste (LAW) Buffer Storage Area approved in LAW-004 (Low-Activity Waste Building container storage area on the -21 foot elevation) was later changed to a permitted Containment Building in the 2+2 Permit Modification. The only remaining permit package to complete this compliance schedule item is BOF-001, for the Failed Melter Storage Area. The submittal of the BOF-001 design package completes Interim Compliance Schedule Item 10.

Attachment 1 provides discussion of future planning activities that may eventually affect the design of this failed melter facility. Due to the potential sensitivity of the attached engineering information, Ecology is requested to place the data for public review in the standard information repositories, but not provide electronic dissemination of the information.

HO-8

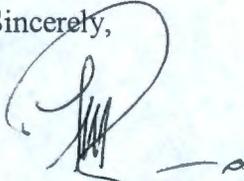
Ms. Jane A. Hedges
12-ECD-0061

-2-

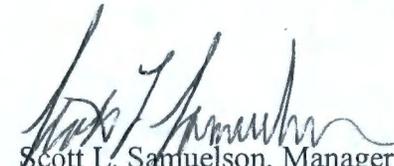
DEC 19 2012

If you have any questions, please contact me, or your staff may contact Lori A. Huffman,
Director, Environmental Compliance Division, (509) 376-0104.

Sincerely,



Frank M. Russo, Project Director
Bechtel National, Inc.



Scott L. Samuelson, Manager
Office of River Protection

ECD:GMN

Attachments: (3)

cc: See page 3

Ms. Jane A. Hedges
12-ECD-0061

-3-

DEC 19 2012

cc w/attachs:

B. L. Curn, BNI
B. G. Erlandson, BNI
P. A. Fisher, BNI
S. K. Murdock, BNI
F. M. Russo, BNI

Administrative Record (WTP H-0-8)

BNI Correspondence
Environmental Portal, LMSI

cc electronic:

J. Cantu, Ecology (2 hard copies)
A. S. Carlson, Ecology (5 hard copies, Public Review)
M. E. Jones, Ecology
A. C. Tortoso, Ecology
J. K. Perry, MSA
A. C. McKarns, RL
D. J. Sommer, SCS

cc w/o attachs:

R. W. Bradford, BNI
D. M. Busche, BNI
W. T. Clements, BNI
S. S. Crawford, BNI
J. H. Dunkirk, BNI
G. R. Ryan, BNI
J. Cox, CTUIR
S. G. Harris, CTUIR
S. L. Dahl, Ecology
D. McDonald, Ecology
G. P. Bohnee, NPT
K. Niles, Oregon Energy
S. R. Weil, RL
R. Jim, YN

Attachment 1
12-ECD-0061
(2 Pages)

Description of BOF-001, Revision 0, Permit Package

Permit Package BOF-001 Description

BOF-001, Rev. 0, "Container Storage Area for the Failed Melter Storage Building"

Permit package BOF-001, Rev. 0 addresses the Container Storage Area located in the Failed Melter Storage Building (Building 32) at the Southeast corner of the WTP facility. This container storage area is further described in Chapter 4, Section 4.2.1.4.2 of the DWP.

The Container Storage Area permit package for the Failed Melter Storage Area for Analytical Laboratory - Permit Package, BOF-001 includes:

- General Arrangement Plan and Section
- Update of permit Table III.10.D.A
- Update of permit Table III.10.D.B
- Vendor cut sheets describing typical commercially available waste container management building and drum spill collection pallet. This information is provided in transmittal letter Attachment 2
- Container Storage Area packages do not require an IQPRE report.

The Failed Melter Storage Facility will be used primarily to manage HLW Melters that have completed their useful service life. These units will be received in carbon steel overpack containers allowing limited hands-on contact. These overpacks will not be opened while the waste melters are located in this storage facility. The facility is capable of storing up to three overpacked waste melters at any given time. The spent HLW Melters will not be stacked.

The failed melter storage facility may also receive containerized miscellaneous mixed waste, if needed. These waste containers will be sealed prior to transport to the failed melter storage facility. The containers will not be opened while at this storage facility. Waste containers will not be stacked more than two containers high. If wastes containing liquids or wastes exhibiting the characteristics of ignitability or reactivity are generated, portable secondary containment that meets the requirements of WAC 173-303-630(7) or WAC 173-303-630(8) will be provided.

The Failed Melter Storage Building (Building 32) described in this submittal is subject to the following outstanding questions:

- Preliminary estimates of HLW melter waste concentrations indicate that alterations to this facility may be required.
- Depending on future waste characterization data, the design and location of the facility described in this submittal may require alterations, e.g. additional radionuclide shielding may be required to reduce personnel exposure levels, which may impact the final design, dimensions or location of the building.
- Alternatively, future long-term storage decisions for HLW melters that have completed their useful service life may identify another facility suitable for melter

storage as a more acceptable alternative to this facility, in which case the WTP Failed Melter Storage Building would not need to be constructed.

Any future changes to the design, location, or construction of this facility will be submitted in a permit modification request pursuant to Operating Unit Group 10 permit condition III.10.C.2.e.

Attachment 2
12-ECD-0061
(12 Pages)

BOF-001 Permit Package

Permit Package No. BOF-001, Rev. 0
Container Storage Area for Balance of Facilities
(Failed Melter Storage Facility)
Table of Contents

CCN: 251252

For Incorporation into the Permit

Engineering Document Title	Document Number	Revision	Permit Condition	Included	Remarks
Permit Design Drawings					
General Arrangement Plan and Section	24590-BOF-P1-32-00001	2	III.10.D.10.b.i	Y	To be incorporated into Appendix 12.4
Drawing Change Notice	24590-BOF-P1N-50-00009	N/A	III.10.D.10.b.i	Y	To be incorporated into Appendix 12.4
Drawing Change Notice	24590-BOF-P1N-32-00001	N/A	III.10.D.10.b.i	Y	To be incorporated into Appendix 12.4
Secondary Containment Design	24590-WTP-PER-CSA-02-001	10	III.10.D.10.b.i	N/A	The Failed Melter Facility is not designed with secondary containment. If liquids will be managed in the facility they will be managed in portable spill containment buildings or spill pallets
Material Selections for Building Secondary Containment/Leak Detection	24590-WTP-PER-M-02-001	3	III.10.D.10.b.i III.10.D.10.b.ii	N/A	The Failed Melter Facility is not designed with secondary containment. If liquids will be managed in the facility they will be managed in portable spill containment buildings or spill pallets
RPP-WTP Compliance with Uniform Building Code Seismic Design Requirements	24590-WTP-RPT-ST-01-001	2	III.10.D.10.b.i	N	Included in DWP Chapter 4C - Supplement 1
Ignitable or Reactive Waste Buffer Zone	N/A	-	III.10.D.10.b.iii	Y	If ignitable or reactive secondary waste are managed in the Failed Melter Storage Facility, secondary containment will be provided by portable secondary containment that meets the requirements of WAC 173-303-630 Design information provided on portable containment buildings provided in vendor cut sheets

Permit Package No. BOF-001, Rev. 0
Container Storage Area for Balance of Facilities
(Failed Melter Storage Facility)
Table of Contents

CCN: 251252

Engineering Document Title	Document Number	Revision	Permit Condition	Included	Remarks
Segregation of Incompatible Waste	N/A	-	III.10.D.10.b.iii	Y	If incompatible secondary wastes are to be managed in the Failed Melter Storage Facility, separation will be provided by portable secondary containment that meets the requirements of WAC 173-303-630 Design information provided on portable spill pallet cut sheets
Update to Permit Table III.10.D.A, Container Storage/Containment Building Areas Description.	N/A	-	III.10.C.2.e	Y	Update permit table provided for incorporation into the permit
Update to Permit Table III.10.D.B, Container Storage Area /Containment Building Systems	N/A	-	III.10.D.10.b.iv	Y	Update permit table provided for incorporation into the permit



Drawing Change Notice

CHANGE DOCUMENT NO.
24590-BOF-P1N-50-00009

JOB NO.
24590

TITLE FOR CHANGE NOTICE
ADD ROOM NAME REFERENCE NOTE



R10981381

DESIGN DOCUMENT NUMBER	REV NO	TITLE OF DESIGN DOCUMENT
24590-BOF-P1-21-00003	1	GLASS FORMER STORAGE FACILITY GENERAL ARRANGEMENT PLAN BLDGS 21 AND 21S
24590-BOF-P1-23-00001	1	ANHYDROUS AMMONIA FACILITY GENERAL ARRANGEMENT PLAN AND SECTIONS
24590-BOF-P1-32-00001	2	FAILED MELTER STORAGE FACILITY GENERAL ARRANGEMENT PLAN AND SECTION
24590-BOF-P1-54-00001	2	NON-DANGEROUS/NON-RADIOACTIVE EFFLUENT FACILITY GENERAL ARRANGEMENT PLAN
24590-BOF-P1-54-00003	1	NLD WASTEWATER THM AIR STRIPPERS GENERAL ARRANGEMENT PLAN
24590-BOF-P1-81-00001	0	FUEL OIL STORAGE FACILITY GENERAL ARRANGEMENT PLAN
24590-BOF-P1-82-00002	4	CHILLER/COMPRESSOR PLANT GENERAL ARRANGEMENT PLAN AT GRADE
24590-BOF-P1-83-00001	0	COOLING TOWER GENERAL ARRANGEMENT PLAN & SECTIONS
24590-BOF-P1-84-00001	1	FIRE WATER PUMP HOUSE FACILITY - BUILDINGS 84A & 84B GENERAL ARRANGEMENT PLAN
24590-BOF-P1-86-00001	0	WATER TREATMENT BUILDING GENERAL ARRANGEMENT PLAN
24590-BOF-P1-87-00001	6	SWITCHGEAR BUILDING GENERAL ARRANGEMENT PLAN AND SECTIONS
24590-BOF-P1-89-00001	2	DIESEL GENERATORS FACILITY GENERAL ARRANGEMENT PLAN
24590-BOF-P1-91-00001	5	BOF SWITCHGEAR BUILDING GENERAL ARRANGEMENT PLAN AND SECTIONS

PART OF DESIGN CHANGE PACKAGE (DCP)? Yes No DCP No.: Rev:

JUSTIFICATION FOR CHANGE UPDATE THE BOF GAS TO REFERENCE ARCHITECTURAL DRAWINGS FOR ROOM NAMES PER 24590-WTP-PIER-MGT-07-1953-REV 0, ACTION 11	TREND CODE-NUMBER N/A
---	--------------------------

Supersedes Change Document Yes No

ECN Needed Yes No

REQUIREMENTS REVIEW

Client Approval Required * Yes No Permit Review by E&NS Required Yes No

Interface Resolution Required * Yes No Safety Screening / Evaluation Required Yes No



Drawing Change Notice

Page 2 of 2

CHANGE DOCUMENT NO.
24590-BOF-P1N-50-00009

JOB NO. 24590	TITLE FOR CHANGE NOTICE ADD ROOM NAME REFERENCE NOTE
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* Address these "yes" answers in the description

Documents identified in 24590-WTP-GPP-SREG-002 must be checked "Yes" regardless of the change being made, and E&NS signature is required below.

DESCRIPTION OF CHANGE

ADD THE FOLLOWING NOTE TO THE ABOVE LISTED GENERAL ARRANGEMENT DRAWINGS:

"Rooms are officially identified by room numbers only. Room numbers are established and controlled on General Arrangement drawings. Only room numbers are needed to identify rooms on engineering discipline documents. While room numbers are controlled, the most common name of rooms associated with each room number are shown for reference only on Architectural Floor Plans."

Please note that source, special nuclear, and byproduct materials, as defined in the Atomic Energy Act of 1954 (AEA) are regulated at the U. S. Department of Energy (DOE) facilities exclusively by DOE acting pursuant to its AEA authority. DOE asserts that pursuant to AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and byproduct materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.

ORIGINATOR
TIM HAWKINS

Tim Hawkins

CHECKER
CRAIG SALERNO

Craig Salerno

Reviews

E&NS - <i>Dwight Kratoch</i> <i>Dwight Kratoch</i>	PD - KEITH HUBER <i>KA</i>			
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Approval(s) and Date

PD - JACK CLINTON <i>JRC</i> 10/20/08	APEM-LBL - BOB HANSON <i>Bob Hanson</i>		
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Drawing Change Notice

Page 1 of 2
CHANGE DOCUMENT NO.
24590-BOF-P1N-32-00001

JOB NO. 24590	TITLE FOR CHANGE NOTICE REVISE DRAWING NOTES FOR FAILED MELTER STORAGE FACILITY		
DESIGN DOCUMENT NUMBER 24590-BOF-P1-32-00001	REV 2	DESIGN DOCUMENT NUMBER	REV

PART OF DESIGN CHANGE PACKAGE (DCP)? Yes No DCP No.: Rev:

JUSTIFICATION FOR CHANGE
RESOLUTION OF ACTIONS ASSOCIATED WITH CLOSURE OF 24590-WTP-CAR-QA-02-084

CAUSE CODE
21

Supersedes Change Document Yes No

ECN Needed Yes No

REQUIREMENTS REVIEW

Client Approval Required Yes No Interface Resolution Required * Yes No

Address any "yes" answers in the description

DESCRIPTION OF CHANGE

- ADDED GENERAL NOTE 3
- DELETED HOLD NOTE 1
- REVISED HOLD NOTE 2

GENERAL NOTES

1. FOR REFERENCE, SEE PLOT PLAN DRAWING 24590-BOF-P1-50-00001.
2. COLUMN SPACING IS FOR REFERENCE ONLY. FINAL LOCATION OF COLUMNS TO BE DETERMINED BY BUILDING SUPPLIER.
3. THE FAILED MELTER STORAGE BULK SHIELDING CALCULATION (24590-BOF-ZOC-80-00003) INDICATES THAT ADDITIONAL SHIELDING WILL BE REQUIRED TO REDUCE DOSE RATES AT THE OUTSIDE OF THE FAILED MELTER STORAGE BUILDING TO AN R1 LEVEL. SHIELDING WILL BE PROVIDED TO REDUCE DOSE RATES TO REQUIRED LEVELS.

HOLD NOTES:

1. DELETED

2. FACILITY ON HOLD PENDING COMPLETION OF THE ADR PRIOR TO REISSUANCE OF THIS DRAWING.



Drawing Change Notice

Page 2 of 2

CHANGE DOCUMENT
NO.
24590-BOF-P1N-32-00001

JOB NO. 24590	TITLE FOR CHANGE NOTICE REVISE DRAWING NOTES FOR FAILED MELTER STORAGE FACILITY
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ORIGINATOR CRAIG SALERNO	Originator By: Craig Salerno - csalerno Org Name: PD Placed: Dec 10, 2012, 4:03 pm	CHECKER JIM CENTER	Checked By: James Center - jcenter Org Name: PT Plant Design Placed: Dec 10, 2012, 4:18 pm
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Reviews		
E&NS - DANIEL C. ROBERTSON <i>Daniel Robertson</i> 12/11/12		

Approval(s)			
LBL PEM/PE - MATT BROWN <i>Matt Brown</i>	PD - JOHNNY LABRYER <i>Johnny Labryer</i>		

Date (inserted by final approver): 12/11/12
MB 12/11/12

Please note that source, special nuclear, and byproduct materials, as defined in the Atomic Energy Act of 1954 (AEA) are regulated at the U. S. Department of Energy (DOE) facilities exclusively by DOE acting pursuant to its AEA authority. DOE asserts that pursuant to AEA, it has sole and exclusive responsibility and authority to regulate source, special nuclear, and byproduct materials at DOE-owned nuclear facilities. Information contained herein on radionuclides is provided for process description purposes only.

CATEGORIES

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- Berms
- Bladder Tanks
- Cleaners / Coatings
- Emergency Response
- Facility Maintenance
- Grounds Maintenance
- Ice Control
- Material Handling
- Parking Lot / Traffic Safety
- Safety Cabinets / Cans
- Spill Kits
- Spill Containment
- Storage / Handling
- Storage Buildings
- Stormwater

Sort by Manufacturer

SPECIALS

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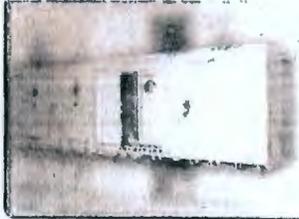
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How to Order



FLAMMABLE STORAGE BUILDINGS



- Available with 2 or 4 hour fire rating
- Chemical/corrosive/ultraviolet resistant paint
 - Leak tight sump
- Explosion relief panels standard
- Removable galvanized steel safety floor planking
- Forklift channels for easy mobility

Securall Flammable Storage Buildings

Specifically designed for outdoor storage and dispensing from 55-gallon drums containing flammable or combustible liquids. Outer wall is constructed of all-welded 16 or 12 gauge steel. Inner wall is constructed of 18 gauge steel. The double wall construction contains 3" of air space throughout. All models are designed in accordance with the standards set forth by NFPA Code 30 and comply with OSHA and EPA regulations. All models are FM Approved for the storing and dispensing of flammable and combustible liquids. All electrical installations are U.L. Approved & Compliant to 1999 & 2002 NEC.

[Have a question? Ask a building specialist](#)

Flammable Storage Building Specifications

(Click below for larger image)	Model Number	Test Lab Approv.	Fire Rating	Drum Capacities	Approx. Exterior Dimensions (HxWxD) in.	Approx. Ship. Wt. lbs.
	B200X	FM ⁺	Standard	2	6'11" x 5' x 3'6"	1,352
	B200XFR2	FM ⁺	2 Hour Fire Rating	2	6'11" x 5' x 3'6"	1,730
	B200XFR4	FM ⁺	4 Hour Fire Rating	2	6'11" x 5' x 3'6"	2,108
	B400X	FM ⁺	Standard	4	6'11" x 5' x 5'	1,649
	B400XFR2	FM ⁺	2 Hour Fire Rating	4	6'11" x 5' x 5'	2,038
	B400XFR4	FM ⁺	4 Hour Fire Rating	4	6'11" x 5' x 5'	2,427
	B600X	FM ⁺	Standard	6	8'6" x 7' x 5'	2,051
	B600XFR2	FM ⁺	2 Hour Fire Rating	6	8'6" x 7' x 5'	2,528
	B600XFR4	FM ⁺	4 Hour Fire Rating	6	8'6" x 7' x 5'	3,005
	B900X	FM ⁺	Standard	9	8'6" x 7' x 7'	2,590
	B900XFR2	FM ⁺	2 Hour Fire Rating	9	8'6" x 7' x 7'	3,156
	B900XFR4	FM ⁺	4 Hour Fire Rating	9	8'6" x 7' x 7'	3,722
	B1200X	FM ⁺	Standard	12	8'6" x 7' x 9'	3,224
	B1200XFR2	FM ⁺	2 Hour Fire Rating	12	8'6" x 7' x 9'	3,878
	B1200XFR4	FM ⁺	4 Hour Fire Rating	12	8'6" x 7' x 9'	4,532
	B1600X	FM ⁺	Standard	16	8'6" x 10' x 8'	4,808



Anti-Chemical Buildings



Poly Storage Buildings



Ready-Mix



Multi-Ten Containment

FREE CATALOG

CATEGORIES

- Absorbents
- Berms
- Bladder Tanks
- Cleaners / Coatings
- Emergency Response
- Facility Maintenance
- Grounds Maintenance
- Ice Control
- Material Handling
- Parking Lot / Traffic Safety
- Safety Cabinets / Cans
- Spill Kits
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How to Order >



EAGLE 8-Drum Low Profile Spill Platform

Product #: EM-1688



Our Price (ea.):
\$505.06

\$505.06

Qty: **BUY NOW**

Product Description:

These spill containment platforms provide 90 gallons of secondary spill containment and feature a low profile design for easy access. Polyethylene construction for excellent chemical resistance, and include Eagle's patented poly gratings with 1.75" square openings that remove easily for cleaning. Compatible with Eagle's 1689 ramp for easy loading and unloading.



Compliance: EPA 40 CFR 264.175

Specifications:

Spill Capacity: 90 Gallons
Weight: 112 lbs.
Dimensions: 102" x 51.5" x 6.5"
Load Capacity: 10,000 lbs.

Please note! For items that ship by common carrier, you will be contacted by phone or email to confirm shipping charges prior to processing your order.

Product #: EM-1688 Product Name: EAGLE 8-Drum Low Profile Spill Platform Price (ea.): \$505.06 Qty: **BUY NOW**

of items: 0
Total: \$0.00
EDIT CART CHECKOUT

For bulk discounts call
1-800-474-7294

Customers also purchased...

EAGLE Spill Containment Pallet (4 Drum Spill Containment Pallet, Low Profile)



Our Price (ea.): **\$238.86**

EAGLE Containment Pallet (Two Drum Containment Pallet)



Our Price (ea.): **\$191.10**

EAGLE 45 Gal. Flammable Storage Cabinet (Manual Close)



Our Price (ea.): **\$584.42**

1
2
3

Table III.10.D.A –Container Storage/Containment Building Areas Description

Dangerous and Mixed Waste Container Storage Areas	Maximum Capacity Gallons (Solids) (ft ³) ^d	Maximum Operating Volume (Liquid) ^e
HLW Vitrification Plant		
IHLW Canister Storage Cave ^a (Room H-0132)	163,599 gal. (21,870 ft ³)	NA
HLW East Corridor El. 0' (Rooms HC-0108/09/10)	183,721 gal. (24,560 ft ³)	NA
HLW Loading Area (Room H-0130)	142,204 gal. (19,010 ft ³)	NA
Other Areas		
Non-Radioactive Dangerous Waste Container Storage Area ^b	56,104 gal. (7,500 ft ³)	RESERVED
Failed Melter Storage Facility (Building 32) ^f	403,947 gal. (54,000 ft ³)	RESERVED
Lab Waste Management Area (Rooms 0-139, 0-139A/B/C/D)	139,586 gal. (18,660 ft ³)	RESERVED
Containment Buildings/Container Storage		
Pretreatment Plant		
P-0123 Pretreatment Hot Cell Containment Building	RESERVED	RESERVED
Pretreatment Maintenance Containment Building	RESERVED	RESERVED
PM0124 Hot Cell Crane Maintenance Area	RESERVED	RESERVED
P-0121A Spent Resin Dewatering	RESERVED	RESERVED
P-0421A General Filter Room	RESERVED	RESERVED
P-0122A Waste Packaging Area	RESERVED	RESERVED
P-0123A Remote Decontamination Maintenance Cave	RESERVED	RESERVED
P-0124 C3 Workshop	RESERVED	RESERVED
P-0124A C3 Workshop	RESERVED	RESERVED
P-0125 Filter Cask Airlock	RESERVED	RESERVED
P-0125A Filter Cask Area	RESERVED	RESERVED
P-0128A MSM Repair Area	RESERVED	RESERVED
P-0128 Temporary Storage Room	RESERVED	RESERVED
P-0223 Pretreatment Filter Package Maintenance Containment Building		

P-0335 Pretreatment Filter Cave Room	RESERVED	RESERVED
P-0335A Decon Chamber	RESERVED	RESERVED
P-0431A General Filter Room	RESERVED	RESERVED
LAW Vitrification Plant		
L-0112 LAW LSM Gallery Containment Building	RESERVED	RESERVED
ILAW Container Finishing Containment Building	RESERVED	RESERVED
L-0109B Swabbing Area Line 2	RESERVED	RESERVED
L-0109C Decontamination Area Line 2	RESERVED	RESERVED
L-0109D Inert Fill Area Line 2	RESERVED	RESERVED
L-0115B Swabbing Area Line 1	RESERVED	RESERVED
L-0115C Decontamination Area Line 1	RESERVED	RESERVED
L-0115D Inert Fill Area Line 1	RESERVED	RESERVED
L-0109E Container Monitoring/Export Area	RESERVED	RESERVED
L-0115E Container Monitoring/Export Area	RESERVED	RESERVED
L-0119B LAW Consumable Import/Export Containment Building	RESERVED	RESERVED
L-0226A LAW C3 Workshop Containment Building	RESERVED	RESERVED
LAW Pour Cave Containment Building	RESERVED	RESERVED
L-B015A Melter 1 Pour Cave	RESERVED	RESERVED
L-B013C Melter 1 Pour Cave	RESERVED	RESERVED
L-B013B Melter 2 Pour Cave	RESERVED	RESERVED
L-B011C Melter 2 Pour Cave	RESERVED	RESERVED
L-B011B Future Melter 3 Pour Cave	RESERVED	RESERVED
L-B009B Future Melter 3 Pour Cave	RESERVED	RESERVED
ILAW Buffer Container Containment Building	RESERVED	RESERVED
L-B025C Container Buffer Store	RESERVED	RESERVED
L-B025D Container Rework	RESERVED	RESERVED
HLW Vitrification Plant		
HLW Melter Cave 1 Containment Building:	RESERVED	RESERVED
H-0117 Melter Cave 1		
H-0116B Melter Cave 1 C3/C5 Airlock		
H-0310A Melter Cave 1 Equipment Decon Pit		
HLW Melter Cave 2 Containment Building:	RESERVED	RESERVED
H-0106 Melter Cave 2		
H-0105B Melter Cave 2 C3/C5 Airlock		
H-0304A Melter Cave 2 Equipment Decon Pit		
H-0136 IHLW Canister Handling Cave Containment Building	RESERVED	RESERVED
H-0133 IHLW Canister Swab and Monitoring Cave Containment Building	RESERVED	RESERVED
HLW C3 Workshop Containment Building:	RESERVED	RESERVED
H-0311A C3 Workshop		
H-0311B C3 MSM Maintenance Workshop		
H-0104 HLW Filter Cave Containment Building	RESERVED	RESERVED
H-B032 HLW Pour Tunnel 1 Containment Building	RESERVED	RESERVED
H-B005A HLW Pour Tunnel 2 Containment Building	RESERVED	RESERVED
HLW Waste Handling Area Containment Building:	RESERVED	RESERVED
H-0410B E&I Room		
H0411 Waste Handling Room		

HLW Drum Swabbing and Monitoring Area Containment Building:	RESERVED	RESERVED
H-0126A Crane Maintenance Room		
H-0126B Swabbing and Monitoring Area		
H-B028 Cask Transfer Tunnel		
Footnotes: ^a Capacity is for immobilized glass waste storage. ^b Capacity is for dangerous and/or mixed waste storage. ^c All material within the containment systems will be considered waste for the purposes of calculating free volume, where free volume is the amount of space available in containment systems (i.e., free volume = total capacity of containment systems [which includes total capacity of portable containment systems] minus volume occupied by equipment and containers within containment systems). ^d Gallons converted to cubic feet using a conversion factor of 1 gallon (liquid) x 0.134 = 1ft ³ (rounded to the nearest whole number). ^e Location and capacities of containers stored within portable containment systems specified on Table III.10.D.C are limited to the dangerous and mixed waste container storage areas and capacities specified above. ^f <u>The dimension for height (H) is based on the height of the largest waste container stored in the area (i.e., LAW container is 7.5 ft., HLW cansiter is 15 ft., melters are assumed to be 16 ft., and a B-25 box is 5 ft. - stacked a maximum of two high is 10 ft).</u>		

1
2
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Table III.10.D.B – Container Storage Area Containment Systems

Container Storage Areas	Permanent Containment System Description – Drawing #s	Permanent Containment System Sump/Floor Drain ID#	Permanent Containment System Dimensions ^a (ft) & Materials of Construction	Permanent Containment System Capacity (gal) (relative to 10% of the volume of all containers within the container storage area, or 100% of the volume of the largest container, whichever is greater).
<u>RESERVED</u> <u>Failed Melter Storage Facility (Building 32)</u>	<u>RESERVED</u> <u>24590-BOF-P1-32-00001, Rev. 2</u>	<u>RESERVED</u> <u>N/A</u>	<u>RESERVED</u> <u>45' x 75" x 16"^b</u>	<u>RESERVED</u> <u>403,947 gal.</u> <u>(54,000 ft³)</u>
^a Dimensions listed are based on permitted design. Actual dimensions may vary within plus or minus (TBD). ^b <u>The dimension for height (H) is based on the height of the largest waste container stored in the area (i.e., LAW container is 7.5 ft., HLW cansiter is 15 ft., melters are assumed to be 16 ft., and a B-25 box is 5 ft. - stacked a maximum of two high is 10 ft)</u>				

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Table III.10.D.C – Container Storage Area Portable Containment Systems^a

Portable Containment System Description – Specifications and Vendor Information	Portable Containment System Container Storage Area(s) Location(s)	Portable Containment System Dimensions ^b (ft) & Materials of Construction	Portable Containment System Capacity (gal) (relative to 10% of the volume of all containers managed within the portable containment system, or 100% of the volume of the largest container, whichever is greater).
RESERVED	RESERVED	RESERVED	RESERVED

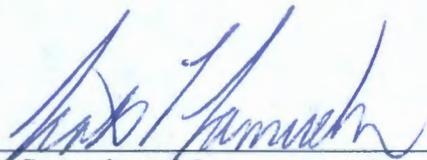
Attachment 3
12-ECD-0061
(2 Pages)

U.S. Department of Energy, Office of River Protection
and Bechtel National, Inc. Certification Statements

U.S. Department of Energy, Office of River Protection Certification

The following certification statement is provided for the submittal of the Hanford Facility Resource Conservation and Recovery Act Permit Package BOF-001, Revision 0, Container Storage Area for Balance of Facilities (Failed Melter Storage Facility).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



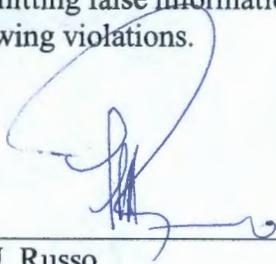
S. L. Samuelson, Manager
U.S. Department of Energy
Office of River Protection

12/19/12
Date

Bechtel National, Inc. Certification

The following certification statement is provided consistent with Contract No. DE-AC27-01RV14136, Section H.26, Environmental Permits, paragraph (g) for the submittal of the Hanford Facility Resource Conservation and Recovery Act Permit Package BOF-001, Revision 0, Container Storage Area for Balance of Facilities (Failed Melter Storage Facility).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



F. M. Russo
Project Director

Date

12/19/12