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**OFFICE OF RIVER PROTECTION**

P.O. Box 450, MSIN H6-60  
Richland, Washington 99352

**NOV 07 2013**

13-ECD-0085

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

Ms. Hedges:

SUBMITTAL OF HANFORD FACILITY RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT MODIFICATION NOTIFICATION FORM 24590-WTP-PCN-ENV-13-001, EDITORIAL CORRECTIONS TO PERMIT CONDITIONS III.10.C.9.f (CRITICAL SYSTEMS); III.10.H.1.b.x, III.10.I.1.b.x, III.10.J.1.b.x, AND III.10.K.1.b.x (SHORT- AND LONG- TERM LOW-ACTIVITY WASTE [LAW] AND HIGH-LEVEL WASTE [HLW] FACILITIES); APPENDIX 7.7 (SPECIFICATIONS); AND APPENDIX 2 (CRITICAL SYSTEMS FOR THE WTP) OF THE REFERENCE

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 Hanford Facility RCRA Permit Modification Notification Form 24590-WTP-PCN-ENV-13-001, attached, for the Washington State Department of Ecology (Ecology) review and approval. The form describes a requested Class 1 modification requiring concurrence or approval to the Reference.

Modification Notification Form 24590-WTP-PCN-ENV-13-001 submits editorial corrections to permit conditions III.10.C.9.f (Critical Systems); III.10.H.1.b.x, III.10.I.1.b.x, III.10.J.1.b.x, III.10.K.1.b.x (Short- and Long-Term LAW and HLW Facilities); Appendix 7.7 (Specifications); and Appendix 2 (Critical Systems for the WTP) of the Reference.

Ecology comments resulting from review of this modification notification form and the associated information have been resolved.

H08

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Ms. Jane A. Hedges  
13-ECD-0085

-2-

NOV 07 2013

If you have any questions, please contact me, or your staff may contact Gae M. Neath, Environmental Compliance Division, (509) 376-7828.

*P. G. Harrington*

Paul G. Harrington, Assistant Manager  
Technical and Regulatory Support

ECD:GMN

Attachment

cc w/attach:

B. L. Curn, BNI

B. G. Erlandson, BNI

C. M. Gallaway, BNI

M. McCullough, BNI

S. K. Murdock, 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 attach:

D. M. Busche, BNI

J. Cox, CTUIR

S. G. Harris, CTUIR

S. L. Dahl, Ecology

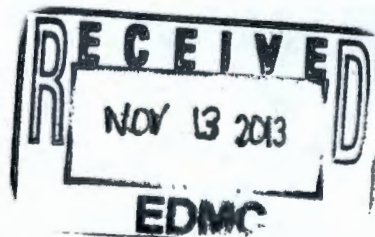
D. McDonald, Ecology

G. P. Bohnnee, NPT

K. Niles, Oregon Energy

E. D. MacAlister, RL

R. Jim, YN



**Attachment  
13-ECD-0085  
(8 Pages)**

**Hanford Facility RCRA Permit Modification Notification  
Form 24590-WTP-PCN-ENV-13-001, Editorial Corrections**

Quarter Ending December 31,  
2013

24590-WTP-PCN-ENV-13-001

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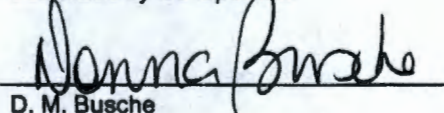
**Hanford Facility RCRA Permit Modification Notification Form**  
**Part III, Operating Unit 10**  
**Waste Treatment and Immobilization Plant**

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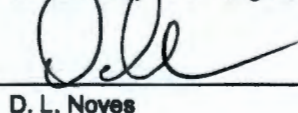
## Index

Page 2 of 3: Hanford Facility RCRA Permit, Part III, Operating Unit 10, Waste Treatment and Immobilization Plant  
Make editorial corrections to permit conditions III.10.H.1.b.x, III.10.I.1.b.x, III.10.J.1.b.x, III.10.K.1.b.x (Short-  
and Long-Term Low-Activity Waste [LAW] and High-Level Waste [HLW] Facilities); III.10.C.9.f (Critical  
Systems); Appendix 7.7 (Specifications); and Appendix 2 (Critical Systems for the WTP) of the Dangerous  
Waste Permit.

Submitted by Co-Operator:

  
D. M. Busche10/17/13  
Date

Reviewed by ORP Program Office:

  
D. L. Noyes11/7/13  
Date



Quarter Ending December 31,  
2013

24590-WTP-PCN-ENV-13-001

### Hanford Facility RCRA Permit Modification Notification Form

<b>Unit:</b>  <b>Waste Treatment and Immobilization Plant</b>	<b>Permit Part:</b>  <b>Part III, Operating Unit 10</b>	
<b>Description of Modification:</b> The purpose of this Class 1 modification is to request Ecology to make editorial corrections to permit conditions III.10.H.1.b.x, III.10.I.1.b.x, III.10.J.1.b.x, III.10.K.1.b.x (Short- and Long-Term Low-Activity Waste [LAW] and High-Level Waste [HLW] Facilities); III.10.C.9.f (Critical Systems); Appendix 7.7 (Specifications); and Appendix 2 (Critical Systems for the WTP) of the Dangerous Waste Permit. The following corrections are submitted to replace those currently in the permit:		
<b>Permit Condition</b>	<b>Replace</b>	<b>With</b>
III.10.H.1.b.x.	The emission limits specified in Permit Conditions III.10.H.1.b.i. through III.10.H.1.b.x. above, will be met for the LAW Vitrification System by limiting feed-rates as specified in Permit Tables .....	The emission limits specified in Permit Conditions III.10.H.1.b.i. through III.10.H.1.b.ix., above, will be met for the LAW Vitrification System by limiting feed rates as specified in Permit Tables .....
III.10.I.1.b.x.	The emission limits specified in Permit Conditions III.10.I.1.b.i. through x. above, will be met for the LAW Vitrification System by limiting feed rates as specified in Permit Tables .....	The emission limits specified in Permit Conditions III.10.I.1.b.i. through III.10.I.1.b.ix., above, will be met for the LAW Vitrification System by limiting feed rates as specified in Permit Tables .....
III.10.J.1.b.x.	The emission limits specified in Permit Conditions III.10.J.1.b.i. through III.10.J.1.b.x. above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables .....	The emission limits specified in Permit Conditions III.10.J.1.b.i. through III.10.J.1.b.ix., above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables .....
III.10.K.1.b.x.	The emission limits specified in Permit Conditions III.10.K.1.b.i. through x. above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables .....	The emission limits specified in Permit Conditions III.10.K.1.b.i. through III.10.K.1.b.ix., above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables .....
III.10.C.9.f.	For each Critical System identified in Operating Unit Group 10, Appendix 2.0, the Permittees will submit to Ecology for review and approval, following the schedule in Operating Unit Group 10, Appendix 1.0, the information identified in Permit Conditions III.10.C.16., III.10.D.10., III.10.E.9., III.10.F.7., III.10.G.10., III.10.H.5., and III.10.J.5.	For each Critical System identified in Operating Unit Group 10, Appendix 2.0, the Permittees will submit to Ecology for review and approval, following the schedule in Operating Unit Group 10, Appendix 1.0, the information identified in Permit Conditions III.10.D.10., III.10.E.9., III.10.F.7., III.10.G.10., III.10.H.5., and III.10.J.5.
Appendix 7.7	Drawing/Document Number 24590-WTP-3PS-MPC0-TP001, Rev 0 ( <i>Engineering Specification for Centrifugal Pumps to Meet Requirements of API Standard 610, Eighth Edition, and for Quality Levels QL-1 and QL-2</i> )	N/A  Specification to be deleted from Appendix (see below)
Appendix 2.0	<b>Balance of Facilities Systems</b> CPE Cathodic Protection Electrical System RLD Radioactive Liquid Waste Disposal System	<b>Balance of Facilities Systems</b> CPE Cathodic Protection Electrical System

This modification requests Ecology approval and incorporation into the permit the editorial changes specified in the above table.

**Permit Conditions III.10.H.1.b.x through III.10.K.1.b.x**

Emission limits are specified in subsections III.10.(H, I, J, and K).1.b.i through III.10.(H, I, J, and K).1.b.ix only. Subsection III.10.(H, I, J, and K).1.b.x compares emission limits to feed rate tables and does not, in itself, contain an emission limit.



Quarter Ending December 31,  
2013

24590-WTP-PCN-ENV-13-001

Permit Condition III.10.C.9.f

Reference to Permit Condition III.10.C.16 should be deleted because Permit Condition III.10.C.16 does not exist in the permit.

Appendix 7.7

Specification 24590-WTP-3PS-MPC0-TP001, Rev 0 should be deleted from Appendix 7.7 per approved PCN 24590-WTP-PCN-ENV-08-002 (CCN 184911).

Appendix 2.0

The Balance of Facilities Systems does not include the RLD system. Reference to the RLD (*Radioactive Liquid Waste Disposal System*) should, therefore, be removed from the Appendix 2.0 Balance of Facilities table.

In accordance with Permit Condition III.10.C.2.e, this permit modification sent to Ecology may include page changes to the Permit, attachments, and permit application supporting documentation.

WAC 173-303-830 Modification Class:	Class 1	Class 1 <sup>1</sup>	Class 2	Class 3
Please mark the Modification Class:	X			
Enter relevant WAC 173-303-830, Appendix I Modification citation number: A1 and A2.				
Enter wording of WAC 173-303-830, Appendix I Modification citation:				
A1. Administrative and informational changes				
A2. Correction of typographical errors				
Modification Approved/Concur:	<input type="checkbox"/> Yes	<input type="checkbox"/> Denied (state reason below)	Reviewed by Ecology:	
Reason for denial:				
			S. Dahl	Date



construction deficiency from the approved designs, plans, and specifications into the construction of critical systems, as defined in the Hanford Site-wide Permit definition section. Such minor nonconformance or construction deficiency will be defined, for the purposes of this Permit Condition, as nonconformance or construction deficiency that is necessary to accommodate proper construction and the substitution or the use of equivalent or superior materials or equipment that do not substantially alter the Permit conditions or reduce the capacity of the facility to protect human health or the environment. Such minor nonconformance or construction deficiency will not be considered a modification of this Permit. If Ecology determines that the nonconformance or construction deficiency is not minor, it will notify the Permittees in writing that a permit modification is required for the deviation and whether prior approval is required from Ecology before work proceeds which affect the nonconforming or construction deficiency item.

III.10.C.9.e. The Permittees will formally document, with a nonconformance report (NCR) or construction deficiency report (CDR), as applicable, incorporation of minor nonconformance or construction deficiency from the approved designs, plans, and specifications into the construction of non-critical systems subject to this Permit. Such minor nonconformance or construction deficiency will not be considered a modification of this Permit. All NCR's and CDR's will be maintained in the WTP Unit Operating Record and will be made available to Ecology upon request or during the course of an inspection. If Ecology determines that the nonconformance or construction deficiency is not minor, it will notify the Permittees in writing that a permit modification is required for the deviation and whether prior approval is required from Ecology before work proceeds which affect the nonconforming or construction deficiency item.

III.10.C.9.f. For each Critical System identified in Operating Unit Group 10, Appendix 2.0, the Permittees will submit to Ecology for review and approval, following the schedule in Operating Unit Group 10, Appendix 1.0, the information identified in Permit Conditions III.10.C.16., III.10.D.10., III.10.E.9., III.10.F.7., III.10.G.10., III.10.H.5., and III.10.J.5. Information Ecology determines to incorporate into the Permit will follow the Permit Condition III.10.C.2.g. process, unless stated otherwise within the specific permit condition. Information Ecology determines necessary to support design basis will be incorporated into the Administrative Record.

III.10.C.9.g. Upon completion of the WTP Unit construction subject to this Permit, the Permittees will produce as-built drawings of the project which incorporate the design and construction modifications resulting from all change documentation as well as modifications made pursuant to Permit Conditions III.10.C.2.e., III.10.C.2.f., and III.10.C.2.g. The Permittees will place the as-built drawings into the operating record within twelve (12) months of completing construction.

III.10.C.9.h. The Permittees will formally document changes to approved designs, plans, and specifications with design change documentation [e.g., Design Change Notice (DCN), Field Change Request (FCR), Field Change Notice (FCN), Specification Change Notice (SCN), and Supplier Deviation Disposition Request (SDDR)]. All design change documentation will be maintained in the WTP Unit-specific Operating Record and will be made available to Ecology upon request or during the course of an inspection. For any design change documentation affecting any critical systems, the Permittees will provide copies to Ecology within seven (7) calendar days. Identification of critical systems will be included by the Permittees in each WTP Unit-specific dangerous waste permit application, closure plan, or permit modification, as appropriate. If Ecology determines



- 1 III.10.H.1.b.vii. Arsenic, beryllium, and chromium emissions from the LAW Vitrification System will not exceed 97  
2 µg/dscm, combined [40 CFR §63.1203(b)(4), in accordance with WAC 173-303-680(2)].
- 3 III.10.H.1.b.viii. Carbon monoxide (CO) emission from the LAW Vitrification System will not exceed 100 parts per  
4 million (ppm) by volume, over an hourly rolling average (as measured and recorded by the  
5 continuous monitoring system), dry basis [40 CFR §63.1203(b)(5)(i), in accordance with WAC 173-  
6 303-680(2)].
- 7 III.10.H.1.b.ix. Hydrocarbon emission from the LAW Vitrification System will not exceed 10 parts per million  
8 (ppm) by volume, over an hourly rolling average (as measured and recorded by the continuous  
9 monitoring system during demonstration testing required by this Permit), dry basis, and reported as  
10 propane [40 CFR §63.1203(b)(5)(ii), in accordance with WAC 173-303-680(2)].
- 11 III.10.H.1.b.x. If the emissions from the LAW Vitrification System exceed the emission rates listed in Permit Table  
12 III.10.H.E, as approved pursuant to Permit Condition III.10.C.11.b., the Permittees will notify  
13 Ecology in accordance with Permit Condition III.10.H.3.d.vii. [WAC 173-303-680(2) and (3), and  
14 WAC 173-303-815(2)(b)(ii)].
- 15 The emission limits specified in Permit Conditions III.10.H.1.b.i. through III.10.H.1.b.ix. above,  
16 will be met for the LAW Vitrification System by limiting feed-rates as specified in Permit Tables  
17 III.10.H.D. and III.10.H.F., as approved/modified pursuant to Permit Condition III.10.H.5.,  
18 compliance with operating conditions specified in Permit Condition III.10.H.1.c. (except as  
19 specified in Permit Condition III.10.H.1.b.xii.), and compliance with Permit Condition  
20 III.10.H.1.b.xi.
- 21 III.10.H.1.b.xi. Treatment effectiveness, feed-rates and operating rates for dangerous and mixed waste management  
22 units contained in the LAW Building, but not included in Permit Table III.10.H.A., as  
23 approved/modified pursuant to Permit Condition III.10.H.5., will be as specified in Permit Sections  
24 III.10.D., III.10.E., III.10.F. and consistent with assumptions and basis which are reflected in  
25 Operating Unit Group 10, Appendix 6.3.1 of this Permit, as approved pursuant to Permit Condition  
26 III.10.C.11.b. For the purposes of this permit condition, Operating Unit Group 10, Appendix 6.3.1  
27 will be superseded by Appendix 6.4.1 upon its approval pursuant to either Permit Conditions  
28 III.10.C.11.c. or III.10.C.11.d. [WAC 173-303-680(2) and (3), and WAC 173-303-815(2)(b)(ii)].
- 29 III.10.H.1.b.xii. Except during periods of LAW Vitrification System startup and shutdown, compliance with the  
30 operating conditions specified in Permit Condition III.10.H.1.c., will be regarded as compliance with  
31 the required performance standards identified in Permit Conditions III.10.H.1.b.i. through x.  
32 However, if it is determined that during the effective period of this Permit that compliance with the  
33 operating conditions in Permit Condition III.10.H.1.c. is not sufficient to ensure compliance with the  
34 performance standards specified in Permit Conditions III.10.H.1.b.i. through x., the Permit may be  
35 modified, revoked, or reissued pursuant to Permit Conditions III.10.C.2.e. and III.10.C.2.f., or  
36 III.10.C.2.g.
- 37 III.10.H.1.c. Operating Conditions [WAC-303-670(6), in accordance with WAC 173-303-680(2) and (3)].
- 38 The Permittees will operate the LAW Vitrification System in accordance with Operating Unit Group  
39 10, Addendum C of this Permit, as updated pursuant to Permit Condition III.10.H.5.e.vi., Operating  
40 Unit Group 10, Appendix 9.18 of this Permit, as approved pursuant to Permit Condition III.10.H.5.e.,



- 1 A. Verbally notify Ecology within twenty-four (24) hours of the discovery of exceeding the  
2 emission rate(s) as specified in Permit Condition I.E.21.
- 3 B. Submit to Ecology additional risk information to indicate that the increased emissions impact is  
4 offset by decreased emission impact from one or more constituents expected to be emitted at the  
5 same time, and/or investigate the cause and impact of the exceedance of the emission rate(s) and  
6 submit a report of the investigation findings to Ecology within fifteen (15) days of the discovery  
7 of exceeding the emission rate(s); and
- 8 C. Based on the notification and any additional information, Ecology may provide, in writing,  
9 direction to the Permittees to stop dangerous and/or mixed waste feed to the LAW Vitrification  
10 System and/or to submit a revised Demonstration Test Plan as a permit modification pursuant to  
11 Permit Conditions III.10.C.2.e. through g. The revised Demonstration Test Plan must include  
12 substantive changes to prevent failure from reoccurring.

13 The emission limits specified in Permit Conditions III.10.I.1.b.i. through ix. above, will be met for  
14 the LAW Vitrification System by limiting feed rates as specified in Permit Tables III.10.I.D and  
15 III.10.I.F., as approved/modified pursuant to Permit Conditions III.10.H.5. and III.10.H.3.d.v.,  
16 compliance with operating conditions specified in Permit Condition III.10.I.1.c. (except as specified  
17 in Permit Condition III.10.I.1.b.xii.), and compliance with Permit Condition III.10.I.1.b.xi.;

18 III.10.I.1.b.xi. Treatment effectiveness, feed-rates and operating rates for dangerous and/or mixed waste  
19 management units contained in the LAW Building, but not included in Permit Table III.10.I.A., as  
20 approved/modified pursuant to Permit Condition III.10.H.5., will be as specified in Permit Sections  
21 III.10.D through F and consistent with assumptions and basis which are reflected in Operating Unit  
22 Group 10, Appendix 6.3.1 of this Permit, as approved pursuant to Permit Condition III.10.C.11.b.  
23 For the purposes of this permit condition, Operating Unit Group 10, Appendix 6.3.1 will be  
24 superseded by Appendix 6.4.1 upon its approval pursuant to either Permit Condition III.10.C.11.c or  
25 III.10.C.11.d. [WAC 173-303-680(2) and (3), and WAC 173-303-815(2)(b)(ii)];

26 III.10.I.1.b.xii. Except during periods of LAW Vitrification System startup and shutdown, compliance with the  
27 operating conditions specified in Permit Condition III.10.I.1.c., will be regarded as compliance with  
28 the required performance standards identified in Permit Conditions III.10.I.1.b.i. through x.  
29 However, if it is determined that during the effective period of this Permit that compliance with the  
30 operating conditions in Permit Condition III.10.I.1.c. is not sufficient to ensure compliance with the  
31 performance standards specified in Permit Conditions III.10.I.1.b.i. through x., the Permit may be  
32 modified, revoked, or reissued pursuant to Permit Conditions III.10.C.2.e. and f., or III.10.C.2.g.

33 III.10.I.1.c. Operating Conditions [WAC-303-670(6), in accordance with WAC 173-303-680(2) and (3)]

34 The Permittees will operate the LAW Vitrification System in accordance with Operating Unit Group  
35 10, Addendum C of this Permit, as updated pursuant to Permit Condition III.10.H.5.e.vi. and  
36 Operating Unit Group 10, Appendix 9.18 of this Permit, as approved pursuant to Permit Condition  
37 III.10.H.5.e., and Operating Unit Group 10, Appendix 9.15 of this Permit, as approved pursuant to  
38 Permit Condition III.10.H.5.f., except as modified pursuant to Permit Conditions III.10.H.3.,  
39 III.10.I.1.b.x., III.10.I.1.b.xii., III.10.I.1.h., and in accordance with and the following:



- III.10.J.1.b.vi. Lead and cadmium emissions from the HLW Vitrification System will not exceed 120 µg/dscm, combined [40 CFR §63.1203(b)(3), in accordance with WAC 173-303-680(2)].
- III.10.J.1.b.vii. Arsenic, beryllium, and chromium emissions from the HLW Vitrification System will not exceed 97 µg/dscm, combined [40 CFR §63.1203(b)(4), in accordance with WAC 173-303-680(2)].
- III.10.J.1.b.viii. Carbon monoxide (CO) emission from the HLW Vitrification System will not exceed 100 parts per million (ppm) by volume, over an hourly rolling average (as measured and recorded by the continuous monitoring system), dry [40 CFR §63.1203(b)(5)(i), in accordance with WAC 173-303-680(2)].
- III.10.J.1.b.ix. Hydrocarbon emission from the HLW Vitrification System will not exceed 10 parts per million (ppm) by volume, over an hourly rolling average (as measured and recorded by the continuous monitoring system during demonstration testing required by this Permit), dry basis, and reported as propane [40 CFR §63.1203(b)(5)(ii), in accordance with WAC 173-303-680(2)]:
- III.10.J.1.b.x. If the emissions from the HLW Vitrification System exceed the emission rates listed in Permit Table III.10.J.E, as approved pursuant to Permit Condition III.10.C.11.b., the Permittees will notify Ecology, in accordance with Permit Condition III.10.J.3.d.vii. [WAC 173-303-680(2) and (3), and WAC 173-303-815(2)(b)(ii)].
- The emission limits specified in Permit Conditions III.10.J.1.b.i. through III.10.J.1.b.ix. above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables III.10.J.D and III.10.J.F, as approved/modified pursuant to Permit Condition III.10.J.5., compliance with operating conditions specified in Permit Condition III.10.J.1.c. (except as specified in Permit Condition III.10.J.1.b.xii.), and compliance with Permit Condition III.10.J.1.b.xi.
- III.10.J.1.b.xi. Treatment effectiveness, feed-rates and operating rates for dangerous and mixed waste management units contained in the HLW Building, but not included in Permit Table III.10.J.A, as approved/modified pursuant to Permit Condition III.10.J.5., will be as specified in Permit Sections III.10.D, III.10.E, III.10.F and consistent with assumptions and basis which are reflected in Operating Unit Group 10, Appendix 6.3.1 of this Permit, as approved pursuant to Permit Condition III.10.C.11.b. For the purposes of this permit condition, Operating Unit Group 10, Appendix 6.3.1 will be superseded by Appendix 6.4.1 upon its approval pursuant to either Permit Conditions III.10.C.11.c. or III.10.C.11.d. [WAC 173-303-680(2) and (3), and WAC 173-303-815(2)(b)(ii)].
- III.10.J.1.b.xii. Except during periods of HLW Vitrification System startup and shutdown, compliance with the operating conditions specified in Permit Condition III.10.J.1.c., will be regarded as compliance with the required performance standards identified in Permit Conditions III.10.J.1.b.i. through x. However, if it is determined that during the effective period of this Permit that compliance with the operating conditions in Permit Condition III.10.J.1.c. is not sufficient to ensure compliance with the performance standards specified in Permit Conditions III.10.J.1.b.i. through x., the Permit may be modified, revoked, or reissued pursuant to Permit Conditions III.10.C.2.e. and III.10.C.2.f., or III.10.C.2.g.
- III.10.J.1.c. Operating Conditions [WAC-303-670(6), in accordance with WAC 173-303-680(2) and (3)].
- The Permittees will operate the HLW Vitrification System in accordance with Operating Unit Group 10, Addendum C of this Permit, as updated pursuant to Permit Condition III.10.J.5.e.vi., and



B. Submit to Ecology additional risk information to indicate that the increased emissions impact is off-set by decreased emission impact from one or more constituents expected to be emitted at the same time, and/or investigate the cause and impact of the exceedance of the emission rate(s) and submit a report of the investigation findings to Ecology within fifteen (15) days of the discovery of exceeding the emission rate(s); and

C. Based on the notification and any additional information, Ecology may provide, in writing, direction to the Permittees to stop dangerous and/or mixed waste feed to the HLW Vitrification System and/or to submit a revised Demonstration Test Plan as a permit modification pursuant to Permit Conditions III.10.C.2.e. and f., or III.10.C.2.g. The revised Demonstration Test Plan must include substantive changes to prevent failure from reoccurring.

The emission limits specified in Permit Conditions III.10.K.1.b.i. through ix. above, will be met for the HLW Vitrification System by limiting feed rates as specified in Permit Tables III.10.K.D and III.10.K.F., as approved/modified pursuant to Permit Condition III.10.J.5 and III.10.J.3.d.v., compliance with operating conditions specified in Permit Condition III.10.K.1.c. (except as specified in Permit Condition III.10.K.1.b.xii.), and compliance with Permit Condition III.10.K.1.b.xi.

III.10.K.1.b.xi. Treatment effectiveness, feed-rates, and operating rates for dangerous and/or mixed waste management units contained in the HLW Building, but not included in Permit Table III.10.K.A., as approved/modified pursuant to Permit Condition III.10.J.5, will be as specified in Permit Sections III.10.D., III.10.E., III.10.F and consistent with the assumptions and basis which are reflected in Operating Unit Group 10, Appendix 6.3.1 of this Permit, as approved pursuant to Permit Condition III.10.C.11.b. For the purposes of this permit condition, Operating Unit Group 10, Appendix 6.3.1 will be superseded by Appendix 6.4.1 upon its approval pursuant to either Permit Conditions III.10.C.11.c. or d. [WAC 173-303-680(2) and (3), and WAC 173-303-815(2)(b)(ii)].

III.10.K.1.b.xii. Compliance with the operating conditions specified in Permit Condition III.10.K.1.c., will be regarded as compliance with the required performance standards identified in Permit Conditions III.10.K.1.b.i. through x. However, if it is determined that during the effective period of this Permit that compliance with the operating conditions in Permit Condition III.10.K.1.c. is not sufficient to ensure compliance with the performance standards specified in Permit Conditions III.10.K.1.b.i. through x., the Permit may be modified, revoked, or reissued pursuant to Permit Conditions III.10.C.2.e. and f., or III.10.C.2.g.

III.10.K.1.c. Operating Conditions [WAC-303-670(6), in accordance with WAC 173-303-680(2)and (3)]  
The Permittees will operate the HLW Vitrification System in accordance with Operating Unit Group 10, Addendum C of this Permit, as updated pursuant to Permit Condition III.10.J.5.e.vi., Operating Unit Group 10, Appendix 10.18 of this Permit, as approved pursuant to Permit Conditions III.10.J.5.e. and f., and Operating Unit Group 10, Appendix 10.15 of this Permit, as approved pursuant to Permit Condition III.10.J.5.f., except as modified pursuant to Permit Conditions III.10.J.3., III.10.K.1.b.x., III.10.K.1.b.xii., III.10.K.1.h., and in accordance with and the following:

III.10.K.1.c.i. The Permittees will operate the HLW Vitrification System in order to maintain the systems and process parameters listed in Permit Tables III.10.K.C and III.10.K.F., as approved/modified pursuant to Permit Conditions III.10.J.5 and III.J.3.d.v., within the set-points specified in Permit Table III.10.K.F.