



DEPARTMENT OF
ECOLOGY
State of Washington

Response to Comments

Proposed Changes for Hanford's Permit for the 183-H Solar Evaporation Basins

February 19 – April 19, 2013

Summary of a public comment period and responses to comments

June 2013

Publication no. 13-05-011

Publication and Contact Information

This publication is available on the Department of Ecology's website at <http://www.ecy.wa.gov/biblio/nwp.html>

For more information contact:

Dwayne Crumpler, Hydrogeologist
Nuclear Waste Program
3100 Port of Benton Boulevard
Richland, WA 99354

Phone: 509-372-7950

Hanford Cleanup Line: 800-321-2008

Email: Hanford@ecy.wa.gov

Washington State Department of Ecology - www.ecy.wa.gov

- Headquarters, Lacey 360-407-6000
- Northwest Regional Office, Bellevue 425-649-7000
- Southwest Regional Office, Lacey 360-407-6300
- Central Regional Office, Yakima 509-575-2490
- Eastern Regional Office, Spokane 509-329-3400

Ecology publishes this document to meet the requirements of [Washington Administrative Code 173-303-840 \(9\)](#).

If you need this document in a format for the visually impaired, call the Nuclear Waste Program at 509-372-7950. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Response to Public Comments

**Proposed Changes for Hanford's Permit for the
183-H Solar Evaporation Basins
February 19 – April 19, 2013**

Department of Ecology
Nuclear Waste Program
3100 Port of Benton Boulevard
Richland, Washington 99354

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Table of Contents

| | |
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| Introduction..... | 7 |
| Reasons for Issuing the Permit | 7 |
| Public Involvement Actions..... | 8 |
| Response to Comments..... | 9 |
| List of Commenters..... | 11 |
| Appendix A: Copies of All Public Notices..... | 12 |
| Appendix B: Copies of All Written Comments..... | 19 |
| Appendix C: Permit Modification Approval Letter..... | 21 |

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Introduction

The Washington State Department of Ecology's (Ecology) Nuclear Waste Program (NWP) manages dangerous waste within the state by writing permits to regulate its treatment, storage, and disposal. When a new permit or a significant modification to an existing permit is proposed, NWP holds a public comment period to allow the public to review the change and provide formal feedback. (See [Washington Administrative Code \[WAC\] 173-303-830](#) for types of permit changes.)

The Response to Comments is the last step before issuing the final permit, and its purpose is to:

- Specify which provisions, if any, of a permit will become effective upon issuance of the final permit, providing reasons for those changes.
- Describe and document public involvement actions.
- List and respond to all significant comments received during the public comment period and any related public hearings.

This Response to Comments is prepared for:

Comment period: Proposed changes for Hanford's permit for the 183-H Class 2 Permit Modification, February 19 – April 19, 2013

Permit: *Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part VI, Post-closure Unit 2, 183-H Solar Evaporation Basins*

Original issuance date: January 2007

Draft effective date: May 19, 2013

To see more information related to the Hanford Site or nuclear waste in Washington, please visit our website: www.ecy.wa.gov/programs/nwp.

Reasons for Issuing the Permit

This periodic update to the Hanford permit focuses on adequate groundwater monitoring, which supports soil cleanup.

The permit modification addresses the need to replace a monitoring well (199-H4-3) that currently blocks waste site remediation. The replacement well is 199-H4-84, placed through the 183-H Solar Evaporation Basin.

The existing monitoring well (199-H4-3) would be decommissioned under Washington State regulations before waste site remediation begins. This well replacement requires modification to the Part VI groundwater monitoring permit requirements for the 183-H Solar Evaporation Basins.

The 183-H Solar Evaporation Basins were four concrete basins that were part of the water treatment facilities for the 100-H Reactor. Beginning July 1973, they were used for storage and disposal of chemical wastes. The wastes were allowed to evaporate under the sun, which is

known as solar evaporation. After evaporation, the waste solids and sludges were isolated and removed for disposal. The basins stopped receiving waste after November 8, 1985, and all wastes were removed from the basins by September 1988. The basins were demolished and the United States Department of Energy (USDOE) Richland Office (RL) completed closure activities under the permit. On May 13, 1997, Ecology accepted USDOE's closure certification for the 183-H Solar Evaporation Basins. Groundwater monitoring is performed to meet the modified closure with corrective action requirements of the permit for 183-H.

Public Involvement Actions

NWP encouraged public comment on the proposed Class 2 permit modification to the 183-H Solar Evaporation Basins during a 60-day comment period held February 19, 2013, through April 19, 2013.

A public notice announcing the comment period was emailed to 1,150 people via the [Hanford-Info email list](#). An additional 2,059 people received it through the [Hanford postal mailing list](#). Copies of the public notice were distributed to members of the public at [Hanford Advisory Board](#) meetings.

A display advertisement ran in the *Tri-City Herald* on February 19, 2013. The comment period was also posted as an event on Ecology's [Hanford Education & Outreach Facebook page](#), which had about 180 'likes' at the time.

USDOE held a public meeting on March 13, 2013, at 6:00 p.m. at the Washington State Department of Ecology Nuclear Waste Program office (3100 Port of Benton Boulevard, Richland). No members of the public attended. Thus, no comments were collected at this meeting.

The public information repositories located in Richland, Spokane, and Seattle, Washington, and Portland, Oregon, received the following:

- Public notice.
- Transmittal letter.
- Statement of Basis for the proposed Class 2 Permit Modification to the 183-H Solar Evaporation Basins.
- Permit Modification.

The following public notices for this comment period are in Appendix A of this document:

1. Public notice.
2. Classified advertisement in the *Tri-City Herald*.
3. Notice sent to the Hanford-Info email list.
4. Event posted on Ecology Hanford Education & Outreach Facebook page.

Response to Comments

Description of comments:

Ecology accepted comments from February 19 to April 19, 2013. This section lists verbatim comments that we received during the public comment period and our responses in accordance with RCW 34.05.325(6)(a)(iii).

Commenter #1

1. More information on the operation of the new HX pump and treat system (including wells) would be helpful in understanding the integration of the CERCLA and RCRA monitoring networks.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

2. Information presented in Modification forms are inconsistent with information presented in tables within the same modification sheets.

(see Table 0.1 pg. 6 of 7; table 0.2 pg. 7 of 7)

RESPONSE: Thank you for your comment. The modification forms were changed so that well H4-3 was marked as a strikeout and well H4-84 was shown as an addition to Table 3.1 (Table 0.1 on modification form) and Table 3.3 (Table 0.2 on the modification form).

3. RCRA monitoring network well list: Edit to include following:

- Wells # 199-H4-5 and 15 A, B, C.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

4. Using Table 3.2, edit Table 3.1 as follows:

- For all RCRA wells listed under Compliance and Corrective Action, change Sampling and Analysis Schedule to sampling codes M-2, 3. Request schedule change for 2 years. Need enough data to support effectiveness of corrective actions and groundwater flow assumptions. Semi-annually is not defensible given recent discovery of exceedances of Permit (see DOE letter 12-AMRP-0123 noting exceedances of nitrate and uranium).

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

5. Using Table 3.2, edit Table 3.1 as follows:

- For all wells listed under CERCLA Remediation which are also RCRA wells, change Sampling and Analysis Schedule to sampling codes M-2, 3. Request schedule change for 2 years. Need enough data to support effectiveness of corrective actions and groundwater flow assumptions. Semi-annually is not defensible given recent discovery of exceedances of Permit (same comment previously noted by Ecology regarding defensibility given recent discovery of exceedances of Permit).

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

6. Analysis/Parameters: Filtered and unfiltered samples to be done for all metal analyses, except RDM collects only filtered samples. Request explanation of use of filter sampling when regulations cite unfiltered.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

7. Other Analysis/Parameters: Metals Other: Laboratory Specific Uranium Method; Chromium, hexavalent: Using total chrome and subtracting is somewhat unreliable. Request specific evaluation of hexavalent chromium is performed.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

8. What treatment system is reducing the Sr-90 concentrations in H Area; it's not captured by the ion exchange system? Request clarification and inclusion of treatment system for Sr-90.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

9. Provide rationale for not discontinuing use of dilution factor of 1:1 to demonstrate compliance with WAC AWQS for chromium of 11ug/L in riverbed sediments or 22ug/L at compliance points.

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84.

10. RL's Temporary Authorization request: Supporting information provided does not fully meet the compliance requirements of WAC 173-303-645(8). Request re-evaluation of points of compliance, stated as wells H4-4,-4-5,-4-49,-4-63,-4-64 (some Concerns: Ex. Unclear how

background water quality is determined. Flow is more northerly than east with pump and treat system actions.)

RESPONSE: Thank you for your comment; however, this comment is out of scope for this Class 2 Permit Modification. This permit modification only addresses well 199-H4-3 and its replacement well, 199-H4-84. The Temporary Authorization request to decommission well 199-H4-3 was granted by Ecology on March 18, 2013, as a result of the ongoing soil remediation under the CERCLA cleanup.

11. Unidentified figure page 21. Clarify.

RESPONSE: Thank you for your comment. This is a color figure that shows the two wells in this Class 2 Permit modification. Unfortunately, it does not communicate this information very well in black and white.

Commenter #2

I think that no! It will not effect the Columbia Basin wildlife and fisheries, so long as an additional well is monitoring any possible leakage from the waste site.

RESPONSE: Thank you for your comment. A replacement well, 199-H4-84, was installed to monitor for any possible leakage from the waste site.

List of Commenters

The names of organizations or individuals who submitted a comment on the 183-H Permit Modification are listed below.

Commenter #1

Jean Vanni
Yakama Nation Environmental Programs
Toppenish, WA

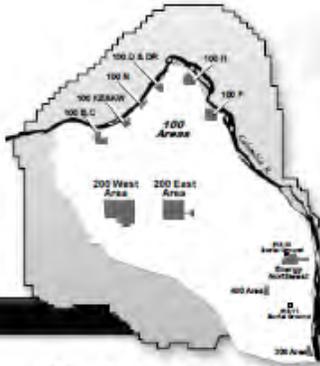
Commenter #2

Emily Erickson
Richland, WA

Appendix A: Copies of All Public Notices

Public notices for this comment period:

1. Public notice.
2. Display advertisement in the *Tri-City Herald*.
3. Notice sent to the Hanford-Info email list.
4. Event posted on Ecology Hanford Education & Outreach Facebook page.



Proposed changes for Hanford's permit for the 183-H Class 2 Permit Modification

U.S. Department of Energy

The U.S. Department of Energy, Richland Operations Office (DOE-RL) is holding a 60-day comment period on proposed modifications to the Hanford Facility Dangerous Waste Permit. This Class 2 modification involves the 183-H Solar Evaporation Basins Treatment, Storage, and Disposal unit (TSD unit). These basins were removed and closed in the mid-1990s. The proposed permit modification would allow replacement of a groundwater well that is being used to perform post-closure monitoring. We want your input on this modification!

DOE-RL is proposing to replace a groundwater monitoring well (199-H4-3) that is blocking access to the 100-H Area where waste site remediation is required. The proposed replacement groundwater monitoring well (199-H4-84) is at the location of the removed basins. The existing monitoring well (199-H4-3) would be decommissioned under Washington State regulations before waste site remediation begins. This well replacement requires modification to the Part VI groundwater monitoring permit requirements for the 183-H Solar Evaporation Basins.

183-H Solar Evaporation Basins were four concrete basins that were part of the water treatment facilities for the 100-H reactor. Beginning July 1973 they were used for storage and disposal of chemical wastes. The wastes were allowed to evaporate under the sun, which is known as solar evaporation. After evaporation, the waste solids and sludges were isolated and removed for disposal. The basins stopped receiving waste after November 8, 1985 and all wastes were removed from the basins by September 1988. The basins were demolished and DOE-RL completed closure activities under the permit. On May 13, 1997, Washington State Department of Ecology accepted USDOE's closure certification for the 183-H unit. Groundwater monitoring is performed to meet the modified closure with corrective action requirements of the permit for the 183-H unit.



183-H Basins during operations (1985)



Groundwater well located at 100-H Area (2002)

What is a Class 2 Permit Modification?

Class 2 modifications apply to periodic updates to the permit, such as response to new regulations, technological advancements, and variations in waste types/quantities. All Class 2 permit changes require Ecology approval.



Public Comment Period
February 19 – April 19, 2013



Figure 1. Public notice (page 1 of 2).



For information on permit compliance history, contact Ron Skinnarland, Washington State Department of Ecology at (509) 372-7924 or Hanford@ecy.wa.gov. Copies of the permit modification request and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland. The 183-H Solar Evaporation Basins modification is available in the Administrative Record, www5.hanford.gov/arpjr/. Please submit comments by April 19, 2013 to:



Tiffany Nguyen
U.S. Department of Energy
Richland Operations Office
P.O. Box 550, MS: A7-75
Richland, WA 99352
Email: 183H@rl.gov

Hanford Public Information Repositories

| | | | |
|---|--|--|---|
| University of Washington Suzzallo Library Box 352900 Seattle, WA 98195 (206) 543-5597 Reinerth@uw.edu | Gonzaga University Foley Center Library East 502 Boone Ave. Spokane, WA 99258 (509) 313-6110 spencer@gonzaga.edu | Portland State University Government Information Branford Price Millar Library 1875 SW Park Avenue Portland, OR 97207-1151 (503) 725-4542 paulus@pdx.edu | Washington State University Consolidated Information Center Room 101L Richland, WA 99352 (509) 375-3308 Janice.parthree@pnnl.gov |
|---|--|--|---|

U.S. Department of Energy
P.O. Box 550, A7-75
Richland, WA 99352

Figure 1. Public notice (page 2 of 2).

HANFORD SITE

Proposed Changes for Hanford's 183-H Solar Evaporation Basins Class 2 Permit

The U.S. Department of Energy, Richland Operations office (DOE-RL) is holding a 60-day comment period on proposed modification to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit. The proposed Class 2 permit modification would allow replacement of a groundwater well that is being used to perform post-closure monitoring. The 183-H Solar Evaporation Basins were removed and closed in the mid-1990s. We want your input on this modification!

DOE-RL is proposing to replace a groundwater monitoring well that is blocking access to an area where waste site remediation is required. The existing groundwater monitoring well (199-H4-3) would be decommissioned under Washington State regulations before waste site remediation begins.

Copies of the permit modification request and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland and at www5.hanford.gov/arpir/

The permittee's compliance history during the life of the permit being modified is available from Ron Skinnarland, Washington State Department of Ecology, (509) 372-7924 or Hanford@ecy.wa.gov.

Public Comment Period
 The Public Comment Period for proposed Class 2 modifications to the Hanford Facility RCRA Permit: **February 19, 2013 – April 19, 2013**
 Please submit comments by April 19, 2013 to: 183H@rl.gov

Public Meeting Scheduled for March 13, 2013, 6:00 p.m.
 Washington State Department of Ecology Office
 3100 Port of Benton Blvd.
 Richland, WA 99354
 Map: www.ecy.wa.gov/images/offices/map_richland.pdf

E1301061_2

Figure 2. Tri-City Herald advertisement on February 19, 2013.

Proposed Class 2 Permit Modification to the 183-H Solar Evaporation Basins

Public Comment Period February 19 – April 19, 2013

The U.S. Department of Energy, Richland Operations Office (DOE-RL) is holding a 60-day comment period on a proposed modification to the Hanford Facility Dangerous Waste Permit. This Class 2 modification involves the 183-H Solar Evaporation Basins Treatment, Storage, and Disposal unit (TSD unit). These basins were removed and closed in the mid-1990s. The proposed permit modification would allow replacement of a groundwater well that is being used to perform post-closure monitoring. We want your input on this modification!

What is a Class 2 Permit Modification?

Class 2 modifications apply to periodic updates to the permit, such as response to new regulations, technological advancements, and variations in waste types/quantities. All Class 2 permit changes require Ecology approval.

Overview

DOE-RL is proposing to replace a groundwater monitoring well (199-H4-3) that is blocking access to the 100-H Area where waste site remediation is required. The proposed replacement groundwater monitoring well (199-H4-84) is at the location of the removed basins. The existing monitoring well (199-H4-3) would be decommissioned under Washington State regulations before waste site remediation begins. This well replacement requires modification to the Part VI groundwater monitoring permit requirements for the 183-H Solar Evaporation Basins.

183-H Solar Evaporation Basins were four concrete basins that were part of the water treatment facilities for the 100-H reactor. Beginning July 1973 they were used for storage and disposal of chemical wastes. The wastes were allowed to evaporate under the sun, which is known as solar evaporation. After evaporation, the waste solids and sludges were isolated and removed for disposal. The basins stopped receiving waste after November 8, 1985 and all wastes were removed from the basins by September 1988. The basins were demolished and DOE-RL completed closure activities under the permit. On May 13, 1997, Washington State Department of Ecology accepted USDOE's closure certification for the 183-H unit. Groundwater monitoring is performed to meet the modified closure with corrective action requirements of the permit for the 183-H unit.

For information on permit compliance history, contact Ron Skinnarland, Washington State Department of Ecology at (509) 372-7924 or Hanford@ecy.wa.gov. Copies of the permit modification request and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland. The 183-H Solar Evaporation Basins modification is available in the Administrative Record, www5.hanford.gov/arpir/. Please submit comments by **April 19, 2013** to:

Figure 3. Comment period notice sent to Hanford-Info email list (page 1).

Tiffany Nguyen

U.S. Department of Energy
Richland Operations Office
P.O. Box 550, MS: A7-75
Richland, WA 99352
Email: 183H@rl.gov

A public meeting on the permit modification will be held **Wednesday, March 13, 2013, 6:00 – 7:00 p.m.** at the Washington State Department of Ecology, 3100 Port of Benton Boulevard, Richland, WA 99354.

| | | | |
|---|--|---|---|
| <p>University of Washington Suzzallo Library Box 352900 Seattle, WA 98195 (206) 543-5597 Reinerth@uw.edu</p> | <p>Gonzaga University Foley Center Library East 502 Boone Ave. Spokane, WA 99258 (509) 313-6110 spencer@gonzaga.edu</p> | <p>Portland State University Government Information Branford Price Millar Library 1875 SW Park Avenue Portland, OR 97207-1151 (503) 725-4542 paulus@pdx.edu</p> | <p>Washington State University Consolidated Information Center Room 101L Richland, WA 99352 (509) 375-3308 Janice.parthree@pnnl.gov</p> |
|---|--|---|---|

Figure 3. Comment period notice sent to Hanford-Info email list (page 2).

https://www.facebook.com/HanfordEducation?ref=tn:tnmm#/events/2226198978805

facebook Search for people, places and things Ecology's Hanford Education...

Public Comment Period: Groundwater Monitoring Wells at 183-H Solar Evaporation Basins

Public · By Ecology's Hanford Education & Outreach Network

February 19 at 8:00am until April 19 at 5:00pm

The U.S. Department of Energy (USDOE) is holding a comment period for a Class 2 modification to the Hanford Facility Dangerous Waste Permit for the 183-H Solar Evaporation Basins. The comment period is open February 19 to April 19, 2013.

When operating, 183-H consisted of four large basins that treated contaminated liquids by allowing them to evaporate. The bulk of what they received was neutralized acid process waste, chromium, pentoxide, and formic acid. No waste has been added since 1985, and waste and debris have been removed. Groundwater under this site is contaminated with unsafe levels of nitrate, chromium, uranium, and technetium-99. The proposed permit modification would allow replacement of a well used to perform post-closure groundwater monitoring.

USDOE requested a temporary authorization to discontinue use of monitoring well 199-H4-3 because it no longer complies with environmental laws. This well will be replaced with a pre-existing, compliant well (199-H4-84) that was drilled in 2011, and is located where the removed basins used to be. The temporary authorization will allow USDOE to comply with the schedule in the Groundwater Monitoring Plan by switching to using the replacement well before the comment period ends. In addition, pipes next to the non-compliant well were blocking cleanup activities, so removing them will allow those activities to proceed.

Submit written comments by April 19 to:
 Tiffany Nguyen (183H@rl.gov)
 U.S. Department of Energy, Richland Operations Office
 P.O. Box 550, MS: A7-75
 Richland, WA 99352

Public meeting
 March 13, Washington State Department of Ecology, 3100 Port of Benton Blvd.,
 Richland, 6-7 p.m.

More information: http://www.ecy.wa.gov/programs/nwp/commentperiods.htm#Groundwater_Monitoring_Wells_at_183-H_Solar_Evaporation_Basins



Figure 4. Facebook event for comment period.

Appendix B: Copies of All Written Comments

From: Jean Vanni [<mailto:JVanni@ynerwm.com>]
Sent: Monday, April 08, 2013 2:39 PM
To: Skinnerland, Ron (ECY)
Cc: Prignano, Andrea (ECY); Brown, Madeleine (ECY); Bartus, Dave; Jean Vanni
Subject: 183-H permit mod

Ron, Attached are comments on the 183-H permit & modification. Under WAC 173-303-830-(4)(b)(v) comments should be submitted to the Ecology contact identified in the public notice. As no Ecology staff was identified, I'm sending them to you and Andrea for distribution to the appropriate person. If you have any questions, please contact me. Thank you, Jean

JEAN VANNI
Dept. of Natural Resources
Yakama Nation ERWM Program
jvanni@ynerwm.com
509-945-1100

Comments 183-H Class 2 modification:

1. More information on the operation of the new HX pump and treat system (including wells) would be helpful in understanding the integration of the CERCLA and RCRA monitoring networks.
2. Information presented in Modification forms are inconsistent with information presented in tables within the same modification sheets. (see Table 0.1 pg. 6 of 7; table 0.2 pg. 7 of 7)
3. RCRA monitoring network well list: Edit to include following:
 - Wells # 199-H4-5 and 15 A, B, C.
4. Using Table 3.2, edit Table 3.1 as follows:
 - For all RCRA wells listed under Compliance and Corrective Action, change Sampling and Analysis Schedule to sampling codes M-2, 3. Request schedule change for 2 years. Need enough data to support effectiveness of corrective actions and groundwater flow assumptions. Semi-annually is not defensible given recent discovery of exceedances of Permit (see DOE letter 12-AMRP-0123 noting exceedances of nitrate and uranium).
5. Using Table 3.2, edit Table 3.1 as follows:
 - For all wells listed under CERCLA Remediation which are also RCRA wells, change Sampling and Analysis Schedule to sampling codes M-2, 3. Request schedule change for 2 years. Need enough data to support effectiveness of corrective actions and groundwater flow assumptions. Semi-annually is not defensible given recent discovery of exceedances of Permit (same comment previously noted by Ecology regarding defensibility given recent discovery of exceedances of Permit).
6. Analysis/Parameters: Filtered and unfiltered samples to be done for all metal analyses, except RDM collects only filtered samples. Request explanation of use of filter sampling when regulations cite unfiltered.
7. Other Analysis/Parameters: Metals Other: Laboratory Specific Uranium Method; Chromium, hexavalent: Using total chrome and subtracting is somewhat unreliable. Request specific evaluation of hexavalent chromium is performed.

8. What treatment system is reducing the Sr-90 concentrations in H Area; it's not captured by the ion exchange system? Request clarification and inclusion of treatment system for Sr-90.
9. Provide rationale for not discontinuing use of dilution factor of 1:1 to demonstrate compliance with WAC AWQS for chromium of 11ug/L in riverbed sediments or 22ug/L at compliance points.
10. RL's Temporary Authorization request: Supporting information provided does not fully meet the compliance requirements of WAC 173-303-645(8). Request re-evaluation of points of compliance, stated as wells H4-4,-4-5,-4-49,-4-63,-4-64 (some Concerns: Ex. Unclear how background water quality is determined. Flow is more northerly than east with pump and treat system actions.)
11. Unidentified figure page 21. Clarify.

I think that no! It will not effect the Columbia basin wildlife and fisheries so long as an additional well is monitoring any possible leakage from the waste site.

By: Emily Erickson

reference to permit for the 183-H class 2 permit.

any questions feel free to contact me at [REDACTED]

Appendix C: Permit Modification Approval Letter



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

May 17, 2013

13-NWP-051

Mr. Matthew S. McCormick
Richland Operations Office
United States Department of Energy
PO Box 550, MSIN: A7-50
Richland, Washington 99352

Re: Approval of 13-EMD-0019, Class 2 Modification to the *Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion, Revision 8C, for the Treatment, Storage, and Disposal of Dangerous Waste, Part VI, Post-Closure Unit 2, 183-H Solar Evaporation Unit (T-1-4) WA7890008967*

Dear Mr. McCormick:

The Department of Ecology approves the referenced Class 2 Modification upon receipt of a signed letter containing the appropriate certification statement in accordance with WAC 173-303-810(12) and WAC 173-303-810(13). Please submit with the letter, a hard copy of the changes and the associated modification notification forms for our records.

This modification removes all references to Well 199-H4-3 for the replacement Well 199-H4-84. The temporary authorization for this permit modification was granted on March 18, 2013.

This Class 2 permit modification replaces portions of Section 3.0 of the Groundwater Monitoring Plan for corresponding permit pages in Part VI, Unit 2, Section 3.0 of the 183-H Solar Evaporation Unit (T-1-4). Please replace these pages, accordingly.

If there are any questions, please contact Dwayne Crumpler, Hydrogeologist, at (509) 372-7925 or dcru461@ecy.wa.gov.

Sincerely,

A handwritten signature in black ink that reads "Nina Menard".

Nina Menard
Environmental Restoration Project Manager
Nuclear Waste Program

dc/tkb
Enclosures (2)

cc: See page 2



Mr. Matthew S. McCormick
May 17, 2013
Page 2

13-NWP-051

cc electronic w/enc:

Dennis Faulk, EPA
Briant Charboneau, USDOE
Ellwood Glossbrenner, USDOE
James P. Hanson, USDOE
Tony McKarns, USDOE
John Neath, USDOE
Roberta Day, CHPRC
Bonnie Howard, CHPRC
Kristine Ivarson, CHPRC
Donna Yasek, WCH
Ken Niles, ODOE
Dwayne Crumpler, Ecology
USDOE-ORP Correspondence Control

cc w/enc:

Steve Hudson, HAB
Administrative Record: Environmental Restoration (TSD #T-1-4)
Environmental Portal

cc w/o enc:

John Cox, CTUIR
Stuart Harris, CTUIR
Gabriel Bohnee, NPT
Russell Jim, YN