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DEPARTMENT OF ECOLOGY  
NWP - RICHLAND

**PermaFix**<sup>®</sup>

Northwest Richland, Inc



Stephanie Schleif  
Washington Department of Ecology  
3100 Port of Benton Blvd.  
Richland, WA 99354

2014-LTR-1014  
August 25, 2014

Re: Perma-Fix Northwest Richland, Inc. (PFNW-R), Mixed Waste Facility (MWF)  
EPA Identification No: WAR 0000 10355  
Permit Condition I.B.3: PMR 135 - Permitting of Evaporation System (TP-16)

Central Files PFNW-R  
File Name: \_\_\_\_\_  
Cross Reference: \_\_\_\_\_

Dear Ms. Schleif,

PFNW-R is hereby submitting this permit modification request (PMR) in accordance with Permit Condition I.B.3 of the MWF RCRA/TSCA Permit. PFWN is requesting this PMR be reviewed and approved as a Class 3 modification in accordance with WAC 173-303-830(4)(c). PFWN-R has identified this PMR as a Class 3 modification in accordance with Appendix I under G because PFWN-R will need to increase the facility's tank capacity by more than 25%.

PFNW is proposing to install an Evaporation System in the Mixed Waste Thermal Building (MWTH), formerly known as the GasVit Building, which is located in the MWF. The Evaporation System is believed to be regulated as miscellaneous unit under WAC 173-303-680, however, the five tanks that will be permitted with the system will be regulated under the tank standards.

As discussed with the Washington Dept. of Ecology (Ecology), PFWN-R is submitting this Class 3 which includes the necessary information required by Ecology to review and approve the PMR. PFWN-R believes there is sufficient documentation in this PMR that ensures the health, safety, and protection of the environment needed to approve the PMR in its current state. This PMR includes proposed change pages for the permit, attachments, and drawings that have been approved and stamped by a WA-registered professional engineer (PE). PFWN-R proposes to submit the remaining documentation, including "As Builts" as a Class I permit modification after PMR 135 is approved, the evaporator system has been installed, certified (by a PE), and the demonstration test has been approved by Ecology. The "As Builts", will include the final information based off the purchase of equipment and actual installation of the evaporation system (i.e. pumps, valves, materials of construction, tank specifications, etc.).

PFNW-R is requesting this permit modification in order to begin accepting dangerous wastewaters that are amenable to the evaporation process. The evaporation process will reduce the volume of dangerous waste by approximately 90%. The resulting waste will then be treated in currently-permitted miscellaneous units at the MWF. If you have any questions regarding this PMR, please feel free to contact Richard Grondin at (509) 375-7026 or Barry Nichols at (509) 375-7001.

Sincerely,

Richard Grondin  
Perma-fix Northwest-Richland, Inc.  
Vice President/General Manager

CC: Rick Bond (ECY)  
Linda Meyer (EPA)

Attachments:

1. Certification Statement
2. Permit Modification Summary Sheet
3. Permit Attachment AA
4. Permit Attachment BB
5. Permit Attachment CC
6. Permit Attachment DD
7. Permit Attachment EE
8. Permit Attachment FF
9. Permit Attachment GG
10. Permit Attachment HH
11. Permit Attachment II
12. Permit Attachment KK
13. Permit Attachment LL
14. Permit Attachment MM
15. Permit Attachment OO
16. Permit Attachment QQ
17. Permit Attachment RR
18. Permit Conditions



**RCRA/TSCA PART B**  
**CLASS 3 PERMIT**  
**MODIFICATION**  
[EVAPORATION SYSTEM (TP-06)]  
[REVISION 0]

AUGUST 2014

Prepared by:  
BARRY NICHOLS  
REGULATORY COMPLIANCE OFFICER  
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