



**CERTIFIED MAIL**

Mr. Sterling Derrick  
Washington State Department of Ecology  
3100 Port of Benton Blvd.  
Richland, WA 99354

August 26, 2010  
2010-LTR-1029

Ms. Linda Meyer  
United States Environmental Protection Agency - Region 10  
1200 Sixth Avenue, Suite 900, AWT-121  
Seattle, WA 98101

RE: Perma-Fix Northwest Richland, Incorporated  
EPA Site Identification Number WAR 00001 0355  
Mixed Waste Facility Temporary Authorization Request for Permit Modification Request 120

Dear Mr. Derrick and Ms. Meyer:

Perma-Fix Northwest Richland, Incorporated (PFNW-R) is requesting a Temporary Authorization [IAW WAC 173-303-830(4)(e)(ii)(A)] approval to allow for the construction of the facilities requested in Permit Modification Request 120 (2010-LTR-1028). Activities under the temporary authorization will be limited to construction activities only and all construction must be in accordance with WAC 173-303-395(4) and PMR-120. The rail spur and its associated loading/unloading area may not be used for waste management activities until PMR-120 has been approved by EPA/Ecology. Since the truck loading area is already in use, the Permittee requests to begin utilizing the newly constructed containment area upon construction completion. The containment area will be immediately subject to the requirements of WAC 173-303-395(4) as soon as use begins

**Description of Change(s)**

If this temporary authorization request is approved, PFNW-R will construct equipment to allow an additional mode of transportation (rail) for the receipt and shipment of containerized mixed waste and TSCA regulated PCB wastes at the facility. The additional equipment will include a gate, rail spur line and a loading and unloading area. The rail spur line will enter the property from the south and will run parallel to Logston Blvd. The rail spur will extend onto the property approximately 433 feet from the facility border and will have a loading and unloading area designed and constructed to meet the requirements of WAC 173-303-395(4). This new loading and unloading area will be designated as the rail loading area (RLA). A gate across the point of rail line entry onto Perma-Fix property will be installed in order to control access. The rail spur will not enter the radiological control area (RCA).

PFNW-R will also construct a new loading and unloading area on the exterior of the west side of the Mixed Waste Facility (MWF) building 13 to facilitate the loading and unloading of containerized mixed waste and TSCA regulated PCB wastes in the yard area. This new loading and unloading area will be designated as the truck loading area (TLA) and will be located inside the RCA. The TLA will be

Mr. Derrick  
Ms. Meyer  
8/26/2010

designed and constructed to meet the containment requirements of WAC 173-303-395(4) and 40 CFR 761.65(b)(1)(ii). The design for the loading and unloading areas is shown on construction drawings 100707-M-100, 100707-M-101, 100707-S-100 and 100707-S-101. Updated as-built drawings will be submitted to the department upon completion of construction.

### **Rail Loading Area Design**

The RLA will be designed and constructed to meet the containment requirements of WAC 173-303-395(4) and 40 CFR 761.65(b)(1)(ii). The RLA will be constructed of concrete and will contain spills or leaks that might occur from loading or unloading. The concrete pad will be approximately 90 ft by 90 ft and will be sloped to a collection point that will allow for the collection and removal of collected wastes resulting from spills or leaks in a manner that will prevent the release of dangerous waste and waste constituents to ground or surface waters. The concrete pad will be curbed and provide enough volume to capture 30,298 gallons. Containment calculations were based on the largest liquid container holding 6,000 gallons and meeting the requirement to provide a containment volume equal to at least two times the internal volume of the largest PCB container. An NSP 100 (or equivalent) epoxy coating will be applied to the containment pad.

### **Truck Loading Area Design**

The TLA will be designed and constructed to satisfy the requirements containment requirements of WAC 173-303-395(4) and 40 CFR 761.65(b)(1)(ii). The TLA will be constructed of concrete and will contain spills or leaks that might occur from loading or unloading. The concrete pad will be approximately 65 ft by 76 ft. and will be sloped to a collection point that will allow for the collection and removal of collected wastes resulting from spills or leaks in a manner that will prevent the release of dangerous waste and waste constituents to ground or surface waters. The concrete pad will be curbed and provide enough volume to capture 15,710 gallons. Containment calculations were based on a liquid container holding 3,000 gallons and meeting the requirement to provide a containment volume equal to at least two times the internal volume of the largest PCB container. An NSP 100 (or equivalent) epoxy coating will be applied to the containment pad.

### **Justification**

This temporary authorization is necessary: (1) to prevent disruption of ongoing waste management activities; (2) to enable the permittee to respond to sudden changes in the types or quantities of the wastes managed under the facility permit; and (3) to facilitate other changes to protect human health and the environment. This temporary authorization will allow PFNW to begin construction on facilities which will allow for the shipment of waste via rail and reduce the number of road closures necessary to transport waste to the facility. It is also necessary to enable the Permittee to respond to sudden changes in the quantities of waste by providing the capability of rail shipment and potentially larger shipments of waste. It will also provide support to Department of Energy projects and timelines by consolidating multiple shipments of waste via truck into fewer shipments of waste via rail. Installation of the rail spur was suggested to PFNW by CHPRC.

Mr. Derrick  
Ms. Meyer  
8/26/2010

Should you have any questions regarding this matter, please do not hesitate to contact me on (509) 375-7026.

Thank you,

Richard Grondin  
Perma-Fix Northwest Richland, Incorporated  
Vice President and General Manager

Enclosures

Attachment 1 - Certification Statement

Cc:		
Curt Cannon	PFNW	w/o attachments
Chuck White	PFNW	w/o attachments
Ron Skinnarland	Ecology	w/o attachments
Regulatory File	PFNW	w/ attachments

Mr. Derrick  
Ms. Meyer  
8/26/2010

2010-LTR-1029

Attachment 1

Certification Statement

Mr. Derrick  
Ms. Meyer  
8/26/2010

The following certification statement fulfills the requirements of Hazardous Waste Management Act, in accordance with WAC 173-303-810(13)(a), and Toxic Substance Control Act, in accordance with 40 CFR 761.3, for Perma-Fix Northwest Richland, Inc. permit for the Storage and Treatment of Mixed Waste and for the Storage and Disposal of Mixed-Toxic Substance Control Act (TSCA) Regulated Polychlorinated Biphenyl (PCB) Wastes.

The certification below covers the documentation and submission of the Permit Modification submitted in letter No. 2010-LTR-1029, dated August 26, 2010.

As the Vice President/General Manager of the Mixed Waste Facility, I have the authority to certify on behalf of the corporation.

HWMA CERTIFICATION  
[WAC 173-303-810(13)(a)]

“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.”

PFNW-R Inc.

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Richard Grondin Vice President/General Manager

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Date: August 26, 2010