

APPLICATION CHECKLIST

**MIXED WASTE FACILITY
RCRA/TSCA PERMIT APPLICATION**

**PERMA-FIX NORTHWEST RICHLAND, INC.
RICHLAND, WASHINGTON**

Mixed Waste Facility

Application Checklist

Complete this checklist by providing the facility name and indicating where the listed material has been placed in the application. This is particularly important when the application does not closely follow the outline of the checklist and guidance. Include the completed checklist with the Dangerous Waste Permit application.

Facility Name: Perma-Fix Northwest Richland, Inc.

Date Application Received: _____

State of Washington Part B Permit Application Review Checklist for Treatment and Storage in Tanks and Containers		
	Technically Adequate?	Location in Application
A. Part A Form		Section 1
B. Facility Description and General Provisions		Section 2
B-1 General Description		Subsection 2.1
B-1(a) Facility Description		Subsection 2.2
B-1(b) Construction Schedule		Subsection 2.4
B-2 Topographic Map		Subsection 2.5
B-2a General Requirements		Subsection 2.5
B-2b Additional Requirements for Land Disposal Facilities	Not Applicable	Not Applicable
B-3 Seismic Consideration		Subsection 2.6
B-4 Traffic Information		Subsection 2.7
C. Waste Analysis		Section 3
C-1 Chemical, Biological and Physical Analyses		Subsection 3.1

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C-1a	Waste in Piles	Not Applicable	Not Applicable
C-1b	Landfilled Wastes		
C-1c	Wastes Incinerated and Wastes Used in Performance Tests		
C-2	Waste Analysis Plan		Subsection 3.2
C-2a	Detailed Chemical, Physical, and/or Biological Analysis		Subsection 3.2.1
C-2a(1)	Parameters and Rationale		Subsection 3.2.1.1
C-2a(2)	Analytical Methods		Subsection 3.2.1.2
C-2a(3)	Generator-Supplied Analyses		Subsection 3.2.1.3
C-2b	Additional Requirements for Wastes Generated Off-Site		Subsection 3.2.2
C-2b(1)	Parameters and Rationale to Confirm Identity of Off-site Waste		Subsection 3.2.2.1
C-2b(2)	Analytical Methods to Confirm Identity of Off-site Waste		Subsection 3.2.2.2
C-2b(3)	Representative Sampling of Incoming Off-site Wastes		Subsection 3.2.2.3
C-2c	Methods for Collecting Samples for Detailed and Confirming Analyses		Subsection 3.2.3
C-2d	Frequency of Analyses		Subsection 3.2.4
C-3	Manifest System		Subsection 3.3
C-3a	Procedures for Receiving Shipments		Subsection 3.3.1
C-3b	Response to Significant Discrepancies		Subsection 3.3.2
C-3c	Provisions for Non-acceptance of Shipment		Subsection 3.3.3
C-3c(1)	Non-acceptance of Undamaged Shipment		Subsection 3.3.3.1
C-3c(2)	Activation of Contingency Plan for Damaged Shipment		Subsection 3.3.3.2
C-4	Tracking System		Subsection 3.4

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D.	Process Information		Section 4
D-1	Containers		Subsection 4.1
D-1a	Description of Containers		Subsection 4.1.1
D-1b	Container Management Practices		Subsection 4.1.2
D-1c	Container Labeling		Subsection 4.1.3
D-1d	Containment Requirements for Storing Containers		Subsection 4.1.4
D-1d(1)	Secondary Containment System Design		Subsection 4.1.4.1
D-1d(1)(a)	System Design		Subsection 4.1.4.1.1
D-1d(1)(b)	Structural Integrity of Base		Subsection 4.1.4.1.2
D-1d(1)(c)	Containment System Capacity		Subsection 4.1.4.1.3
D-1d(1)(d)	Control of Run-on		Subsection 4.1.4.1.4
D-1d(2)	Removal of Liquids from Containment System		Subsection 4.1.4.2
D-1e	Demonstration that Containment Is Not Required Because Containers Do Not Contain Free Liquids, Wastes that Exhibit Ignitability or Reactivity, or Wastes Designated F020 - 023, F026, or F027		Subsection 4.1.5
D-1f	Prevention of Reaction of Ignitable, Reactive, and Incompatible Wastes in Containers		Subsection 4.1.6
D-1f(1)	Management of Certain Reactive Wastes in Containers		Subsection 4.1.6.1
D-1f(2)	Management of Ignitable and Certain Other Reactive Wastes in Containers		Subsection 4.1.6.2
D-1f(3)	Design of Areas to Manage Incompatible Wastes		Subsection 4.1.6.3
D-2	Tank Systems		Subsection 4.2
D-2a	Design, Installation, and Assessment of Tanks Systems		Subsection 4.2.1

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D-2a(1) Design Requirements		Subsection 4.2.1.1
D-2a(2) Integrity Assessments		Subsection 4.2.1.2
D-2a(3) Additional Requirements for Existing Tanks	Not Applicable	Not Applicable
D-2a(4) Additional Requirements for New Tanks		Subsection 4.2.1.4
D-2a(5) Additional Requirements for New On-ground or Underground Tanks		Subsection 4.2.1.5
D-2b Secondary Containment and Release Detection for Tank Systems		Subsection 4.2.2
D-2b(1) Requirements for All Tank Systems		Subsection 4.2.2.1
D-2b(2) Additional Requirements for Specific Types of Systems		Subsection 4.2.2.2
D-2b(2)(a) Vault Systems		Subsection 4.2.2.2.1
D-2b(2)(b) Double-walled Tanks		Subsection 4.2.2.2.2
D-2b(2)(c) Ancillary Equipment		Subsection 4.2.2.2.3
D-2c Variances from Secondary Containment Requirements		Subsection 4.2.3
D-2d Tank Management Practices		Subsection 4.2.4
D-2e Labels or Signs		Subsection 4.2.5
D-2f Air Emissions		Subsection 4.2.6
D-2g Management of Ignitable or Reactive Wastes in Tank Systems		Subsection 4.2.7
D-2h Management of Incompatible Wastes in Tank Systems		Subsection 4.2.8
D-3 Waste Piles D-4 Surface Impoundments D-5 Incinerators D-6 Landfills D-7 Land Treatment	Not Applicable	Not Applicable
D-8 Air Emissions Control		Subsection 4.10

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D-8a	Process Vents		Subsection 4.10.1
D-8a(1)	Applicability of Subpart AA Standards		Subsection 4.10.1.1
D-8a(1)(a)	Process Vents Subject to Subpart AA Standards		Subsection 4.10.1.1.1
D-8a(1)(b)	Process Vents Not Subject to Subpart AA Standards		Subsection 4.10.1.1.2
D-8a(1)(c)	Re-evaluating Applicability of Subpart AA Standards		Subsection 4.10.1.1.3
D-8a(2)	Process Vents - Demonstrating Compliance		Subsection 4.10.1.2
D-8a(2)(a)	The Basis for Meeting Limits/Reductions		Subsection 4.10.1.2.1
D-8a(2)(b)	Demonstrating Compliance via Selected Method		Subsection 4.10.1.2.2
D-8a(2)(c)	Design Information and Operating Parameters for Closed Vent Systems and Control Devices		Subsection 4.10.1.2.3
D-8a(2)(d)	Re-evaluating compliance with Subpart AA Standards		Subsection 4.10.1.2.4
D-8b	Equipment Leaks		Subsection 4.10.2
D-8b(1)	Applicability of Subpart BB Standards		Subsection 4.10.2.1
D-8b(1)(a)	Equipment Subject to Subpart BB		Subsection 4.10.2.1.1
D-8b(1)(b)	Re-evaluating Applicability of Subpart BB Standards		Subsection 4.10.2.1.2
D-8b(2)	Equipment Leaks - Demonstrating Compliance		Subsection 4.10.2.2
D-8b(2)(a)	Procedures for Identifying Equipment Location and Method of Compliance, Marking Equipment, and Ensuring Records are Up-to-date		Subsection 4.10.2.2.1
D-8b(2)(b)	Demonstrating Compliance with D-8b(1)(a) and (2)(a) Procedures		Subsection 4.10.2.2.2
D-8b(2)(c)	Closed Vent Systems or Control Devices: Showing Compliance with Emission Reduction Standards		Subsection 4.10.2.2.3
D-8c	Tanks and Containers		Subsection 4.10.3

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D-8c(1)	Applicability of Subpart CC Standards		Subsection 4.10.3.1
D-8c(2)	Tank Systems and Container Areas - Demonstrating Compliance		Subsection 4.10.3.2
D-9	Waste Minimization		Subsection 4.11
D-10	Groundwater Monitoring for Land-based Units	Not Applicable	Not Applicable
E.	Releases from Solid Waste Management Units		Section 5
E-1	Solid Waste Management Units and Known and Suspected Releases of Dangerous Wastes or Constituents		Subsection 5.1
E-1a	Solid Waste Management Units		Subsection 5.1.1
E-1b	Releases		Subsection 5.1.2
E-2	Corrective Actions Implemented		Subsection 5.2
F.	Procedures to Prevent Hazards		Section 6
F-1	Security		Subsection 6.1
F-1a	Security Procedures and Equipment		Subsection 6.1.1
F-1b	Waiver		Subsection 6.1.2
F-2	Inspection Plan		Subsection 6.2
F-2a	General Inspection Requirements		Subsection 6.2.1
F-2b	Inspection Log		Subsection 6.2.2
F-2c	Schedule for Remedial Action for Problems Revealed		Subsection 6.2.3
F-2d	Specific Process or Waste Type Inspection Requirements		Subsection 6.2.4
F-2d(1)	Container Inspections		Subsection 6.2.4.1
F-2d(2)	Tank System Inspections and Corrective Actions		Subsection 6.2.4.2
F-2d(2)(a)	Tank System Inspections		Subsection 6.2.4.2.1

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F-2d(2)(b)	Tank Systems - Corrective Actions		Subsection 6.2.4.2.2
F-2d(3)	Storage of Ignitable or Reactive Wastes		Subsection 6.2.4.3
F-2d(4)	Air Emissions Control and Detection - Inspections, Monitoring, and Corrective Actions		Subsection 6.2.4.4
F-2d(4)(a)	Process Vents		Subsection 6.2.4.4.1
F-2d(4)(b)	Equipment Leaks		Subsection 6.2.4.4.2
F-2d(4)(c)	Tanks and Containers		Subsection 6.2.4.4.3
F-2d(5) F-2d(6) F-2d(7) F-2d(8) F-2d(9)	Waste Pile Inspection Surface Impoundment Inspection Incinerator Inspection Landfill Inspection Land Treatment Facility Inspection	Not Applicable	Not Applicable
F-3	Preparedness and Prevention Requirements		Subsection 6.3
F-3a	Equipment Requirements		Subsection 6.3.1
F-3b	Aisle Space Requirement		Subsection 6.3.2
F-4	Preventive Procedures, Structures, and Equipment		Subsection 6.4
F-5	Prevention of Reaction of Ignitable, Reactive, and/or Incompatible Wastes		Subsection 6.5
F-5a	Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste		Subsection 6.5.1
F-5b	Precautions for Handling Ignitable or Reactive Waste and Mixing Incompatible Wastes		Subsection 6.5.2
F-5b(1)	Ignitable or Reactive Wastes in Tanks		Subsection 6.5.2.1
F-5b(2)	Incompatible Wastes in Containers or Tanks		Subsection 6.5.2.2
G.	Contingency Plan		Section 7
G-1	General Information		Subsection 7.1
G-2	Emergency Coordinators		Subsection 7.2
G-3	Circumstances Prompting Implementation		Subsection 7.3

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G-4	Emergency Response Procedures		Subsection 7.4
G-4a	Notification		Subsection 7.4.2
G-4b	Identification of Dangerous Materials		Subsection 7.4.3
G-4c	Hazard Assessment and Report		Subsection 7.4.4
G-4d	Prevention of Recurrence or Spread of Fires, Explosions, or Releases		Subsection 7.4.5
G-4f	Post-Emergency Actions		Subsection 7.4.6
G-5	Emergency Equipment		Subsection 7.5
G-6	Coordination Agreements		Subsection 7.6
G-7	Evacuation Plan		Subsection 7.7
G-8	Required Reports, Recordkeeping, and Certifications		Subsection 7.4.7
G-8a	General Requirements		Subsection 7.4.2.3.2; Subsection 7.4.5.1, Subsection 7.4.7
G-8b	Requirements for Tank Systems		Subsection 7.4.1.7; Subsection 7.4.7
H.	Personnel Training		Section 8
H-1	Job Title/Job Description		Subsection 8.1
H-2	Outline of Training Program		Subsection 8.2
H-3	Implementation of Training Program		Subsection 8.3
I.	Closure and Financial Assurance		Section 9
I-1	Closure Plan/Financial Assurance for Closure		Subsection 9.1
I-1a	Closure Performance Standard		Subsection 9.1.1
I-1b	Closure Activities		Subsection 9.1.2
I-1b(1)	Maximum Extent of Operation		Subsection 9.1.2.1
I-1b(2)	Removing Dangerous Wastes		Subsection 9.1.2.2

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I-1b(3)	Decontaminating Structures, Equipment, and Soil		Subsection 9.1.2.3
I-1b(4)	Sampling and Analysis to Identify Extent of Decontamination/Removal and to Verify Achievement of Closure Standard		Subsection 9.1.2.4
I-1b(4)(a)	Sampling to Confirm Decontamination of Structures and Soils		Subsection 9.1.2.4.1
I-1b(5)	Other Activities		Subsection 9.1.2.5
I-1c	Maximum Waste Inventory		Subsection 9.1.3
I-1d	Closure of Waste Piles, Surface Impoundments, Incinerators, Land Treatment, and Miscellaneous Units		Subsection 9.1.4
I-1e	Closure of Landfill Units		
I-1f	Schedule for Closure		Subsection 9.1.5
I-1g	Extension for Closure Time		Subsection 9.1.6
I-1h	Closure Cost Estimate		Subsection 9.1.7
I-1i	Financial Assurance Mechanism for Closure		Subsection 9.1.8
I-2	Notice in Deed of Already Closed Disposal Units		Subsection 9.2
I-3	Post-Closure Plan		Subsection 9.3
I-4	Liability Requirements		Subsection 9.4
I-4a	Coverage for Sudden Accidental Occurrences		Subsection 9.4.1
I-4b	Coverage for Nonsudden Accidental Occurrences		Subsection 9.4.2
I-4c	Request for Variance		Subsection 9.4.3
J.	Other Federal and State Laws		Section 10
K.	Part B Certification		Section 11