

SECTION 13

ACRONYMS

MIXED WASTE FACILITY
RCRA/TSCA PERMIT APPLICATION

PERMA-FIX NORTHWEST RICHLAND, INC.

RICHLAND, WASHINGTON

Mixed Waste Facility

AEA	Atomic Energy Act
ALARA	As low as reasonably achievable
ASME	American Society of Mechanical Engineers
ASTM	American Standards for Testing Material
AWFCO	Automatic waste feed cut-off
BCAA	Benton Clean Air Authority
BSFR	Bulk survey for release
BTU	British thermal unit
CAA	Clean Air Act
CAM	Continuous air monitoring
CARBN	Treatment standard for carbon adsorption
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CHOXD	Chemical oxidation
CHRED	Chemical reduction
CLARC II	Cleanup Levels and Risk Calculations
CO	Carbon monoxide
CPR	Cardiopulmonary resuscitation
DEACT	Deactivation
DOD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
DWMU	Dangerous waste management unit
EC	Emergency Coordinator
Ecology	Washington State Department of Ecology
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
ERG	Emergency Response Group
ERO	Emergency Response Organization
ES&H	Environment, safety and health
fpm	Feet per minute
GASVIT™	Gasification/vitrification
gph	Gallons per hour
gpm	Gallons per minute
H ₂	Hydrogen
H&S	Health and safety
HAZCOM	Hazard communication
HAZMAT	Hazardous materials
HAZWOPER	Hazardous Waste Operations and Emergency Response
HEPA	High efficiency particulate air
Hg	Mercury
HSP	Health and Safety Plan
HVAC	Heating, ventilation, and air conditioning
IBC	Intermediate bulk container
IC	Incident Commander
ICP	Incident Command Post
ICS	Inventory control system
ID	Induced draft
IDLH	Immediately dangerous to life or health
ISO	International Standards Organization
LDAR	Leak detection and repair

Mixed Waste Facility

LDPE	Low-density polyethylene
LDR	Land disposal restriction
LEL	Lower explosive limit
LFL	Lower flammable limit
LLMW	Low-level mixed waste
LLW	Low level waste
MACRO	Specified technology treatment for macro-encapsulation
MLLW	Mixed low-level waste
MPC	Main process control
MSDS	Material Safety Data Sheet
MTCA	Model Toxics Control Act
MWF	Mixed Waste Facility
MWOP	Mixed Waste Operational Procedure
NEC	National Electric Code
NEUTR	Specified technology treatment for neutralization
NFPA	National Fire Protection Agency
O ₂	Oxygen
OJT	On-the-job training
OSHA	Occupational Safety and Health Agency
OVN	Organic vapor meter
P&ID	Process and instrumentation diagram
P&P	Preventative and preparedness
PCB	Polychlorinated biphenyl
PDS	Process data sheet
PE	Professional Engineer
PFD	Process flow diagram
PFNW-R	Perma-Fix Northwest Richland, Inc.
PLC	Programmable logic controller
PPE	Personal protective equipment
ppm	parts per million
psi	Pounds per square inch
PVC	Polyvinyl chloride
PVDF	Polyvinylidene fluoride
QC	Quality control
RCA	Radiological Control Area
RCRA	Resource Conservation and Recovery Act
RSO	Radiation Safety Officer
SAP	Sampling and Analysis Plan
SCBA	Self-contained breathing apparatus
SEPA	State Environmental Policy Act
STABL	Specified technology treatment for stabilization
STB	Stabilization Building
TDS	Thermal desorption system
TDS	Total dissolved solids
TIC	Transportable in-process container
TLD	Thermo-luminescent dosimeter
TOC	Total organic carbon
TSCA	Toxic Substances Control Act
TSD	Treatment, storage, and disposal
UBC	Uniform Building Code
UV	Ultra-violet

Mixed Waste Facility

VO	Volatile organic
VOC	Volatile organic compound
WAC	Washington Administrative Code
WAP	Waste Analysis Plan
WDOH	Washington State Department of Health
w.g.	Water gauge
WSB	Waste Storage Building