

SECTION 11

PART B CERTIFICATION

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

PERMA-FIX NORTHWEST RICHLAND, INC.

RICHLAND, WASHINGTON

Mixed Waste Facility

11.0 PART B CERTIFICATION [K]

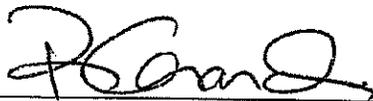
CERTIFICATION OF FINAL FACILITY PERMIT APPLICATION

The following certification statements fulfill the requirements of the Washington Hazardous Waste Management Act (WHWMA), in accordance with WAC 173-303-810(13)(a) and the Toxic Substances Control Act (TSCA), in accordance with 40 CFR 761.3, for Perma-Fix Northwest Richland, Inc.'s (PFNW-R) Part B permit renewal application Revision 1 dated May 2011.

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

"I certify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to ensure 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 or imprisonment for knowing violations."

PERMA-FIX NORTHWEST RICHLAND, INC.



Richard Grondin, Vice President and General Manager

5/10/11

Date

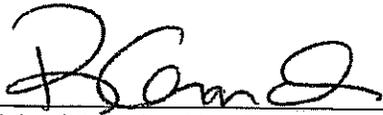
Mixed Waste Facility

TSCA CERTIFICATION

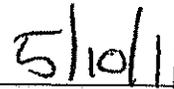
[40 CFR 761.3]

"Under the civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete."

PERMA-FIX NORTHWEST RICHLAND, INC.



Richard Grondin, Vice President and General Manager



Date

Mixed Waste Facility

**Certification of Compliance with PCB Storage Standards
Including Qualifications of Principals and Key Employees
Required for Approval of Commercial Storers of PCB Waste**

[40 CFR 761.65(d)]

3.....*This information should include, but is not limited to:*

3(i) The identification of the owner and the operator of the facility, including all general partners of a partnership, any limited partner of a partnership, any stockholder of a corporation or any participant in any other type of business organization or entity who owns or controls, directly or indirectly, more than 5 percent of each partnership, corporation, or other business organization and all officials of the facility who have direct management responsibility for the facility.

Perma-Fix Northwest Richland, Inc. is a wholly-owned subsidiary of Perma-Fix Environmental Services, Inc. (PESI). PESI is a publicly held company. PESI stocks are bought and sold on NSDAQ. The major stockholders holding more than 5% of the PESI shares as of the end of 2008 are:

Rutabaga Capital Management, LLC,
Heartland Advisors, Inc., and
CONUS Partners, Inc.

3(ii) The identification of the person responsible for the overall operations of the facility (i.e., a plant manager, superintendent, or a person of similar responsibility) and the supervisory employees who are or will be responsible for the operation of the facility.

Richard Grondin, Vice President/General Manager
Chuck White, Plant Operations Manager
Curt Cannon, Environmental Health Safety and Quality (EHS&Q) Manager/Radiation Safety Officer (RSO)

3(iii) Information concerning the technical qualifications and experience of the persons responsible for the overall operation of the facility and the employees responsible for handling PCB waste or other wastes.

Resumes for the following personnel are attached at the end of this section.

Richard Grondin, Vice President/General Manager
Chuck White, Plant Operations Manager
Curt Cannon, EHS&Q Manager/RSO

3(iv) Information concerning any past State or Federal environmental violations involving the same business or another business with which the principals or supervisory employees were affiliated directly that occurred within 5 years preceding the date of submission and which relate directly to violations that resulted in either a civil penalty (irrespective of whether the matter was disposed of by an adjudication or by a without prejudice settlement) or judgment of conviction whether entered after trial or a plea, either of guilt or nolo contendere or civil injunctive relief and involved storage, disposal, transport, or other waste handling activities.

Penalty associated with Consent Agreement and Final Order Docket # RCRA-10-2008-0161.

Mixed Waste Facility

3(v) A list of all companies currently owned or operated in the past by the principals or key employees identified in paragraphs (d)(3)(i) and (d)(3)(ii) of this section that are or were directly or indirectly involved with waste handling activities.

Individual	Previous Company	Relationship
Richard Grondin	Perma-Fix Environmental Services, Inc.	Vice President Technical Services, Waste Management Nuclear Division
Chuck White	Pacific EcoSolutions, LLC (transferred to PESI in 2007)	Plant Operations Manager
Curt Cannon	Pacific EcoSolutions, LLC (transferred to PESI in 2007)	EHS&Q Manager / RSO

3(vi) The owner's or operator's estimate of maximum PCB waste quantity to be handled at the facility.

120 Tons/year

Mixed Waste Facility

3(vii) A written statement certifying compliance with paragraph (b) or (c) of this section and containing a certification as defined in §761.3.

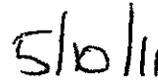
**Certification of Compliance
With
Standards for Commercial Storage of PCB Wastes**

I certify that the facility is in compliance with the storage facility standards for PCBs in paragraphs (b) and (c) of 40 CFR §761.65. Under the civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

PERMA-FIX NORTHWEST RICHLAND, INC.



Richard Grondin, Vice President and General Manager



Date

Mixed Waste Facility

3(viii) A written closure plan for the facility, as described in paragraph (e) of this section.

Provided as Section 9.

3(ix) The current closure cost estimate for the facility, as described in paragraph (f) of this section.

Provided in Section 9.

3(x) A demonstration of financial responsibility to close the facility, as described in paragraph (g) of this section.

Provided in Section 9.

Mixed Waste Facility

Attachment 11-1

Resumes of Key Employees Responsible for Handling of PCBs

RICHARD GRONDIN

Vice President General Manager, Perma-Fix Northwest Richland, Inc.

Qualifications Summary

Mr. Grondin has more than 25 years experience in the highly specialized radioactive/hazardous waste management industry with the majority of that experience concentrated on managing start-up waste management processing and disposal facilities for four different organizations: Perma-Fix Environmental Services, Inc., ATG Inc., Waste Control Specialists, Rollins Environmental and Stablex Inc. of Canada. His management responsibilities for these facilities included: developing new waste processing systems; streamlining or improving existing processes for better VR factors; interfacing with EPA and other regulatory agencies for obtaining and maintaining permits and licenses; project management; helping on technical support for regulatory modifications; managing personnel, schedules and budgets. Recognized in the United States and Canada as an authority in hazardous and mixed waste treatment, he was involved in the treatment of several hundred thousand tons of waste in the last 25 years.

Chronological Experience

Vice President/General Manager

Perma-Fix Northwest Richland, Inc, Richland Washington – June 2007 - Present

Directs the operations of the Mixed Waste and Low Level Waste Facility. Responsible for P & L.

Achievements: No lost time accident in the last 2 years. Disposal of the Mixed waste Legacy in less than 90 day. Implementation of PM program. Upgrade of the BPU off gas system.

Vice President Technical Services, Waste Management Nuclear Division

Perma-Fix Environmental Services, Inc, Richland Washington – January 2002 – June 2007

Directs and support all technical aspect of the business, including Sales support, Treatment, Waste Acceptance and RCRA, Technology development, TSCA and Radioactive compliance with Permits and Licenses for Mixed Waste.

Achievements: Developed process to treat high Mercury waste, including Chemistry and regulatory aspect.

Developed technology to treat Pyrophoric Radioactive Waste.

Help to secure several million dollars of business from Hanford, Los Alamos and Rocky Flats.

Vice President / Mixed Waste Operations

Allied Technology Group, Inc., Richland, Washington – January 2000 – January 2002

Directs the startup and operations of the Mixed Waste Facility, including Vitrification and non-thermal processes. Responsibilities include: RCRA, TSCA and Radioactive compliance, Health, Safety and Training, radiation control, built core technical team and business development. Oversees daily operations and special project management. Responsible for P & L.

Achievements: Startup of first Commercial Mixed Waste Vitrification Unit in the country, Oversee Treatment and Disposal of almost 1,000,000 lbs of waste from Hanford by Macroencapsulation, Neutralization, Stabilization and Disposal of highly contaminated Acids with Pu (> 90 nCi/g) from Rocky Flats.

Vice President of Operations / Facility Manager

Waste Control Specialists LLC – Andrews, Texas – 1997 to 1999

Directs the operations of WCS' 1338 acre broad-base waste Treatment, Storage and Disposal facility in Andrews, Texas. Tasks include planning, organizing, administering and coordinating all functions to ensure compliance with all corporate regulatory, environmental and safe business practices and policies, all Federal, State, and local environmental laws and regulations. Key responsibilities include developing, revising and interpreting administrative and regulatory objectives, procedures, policies and rules; overseeing production, health and safety, compliance, laboratory, customer services and radiological division.

Achievements: Built very strong management team, successfully treated and disposed of 100,000 ft³ of Radioactive K061 waste (Cs-137), Lead the winning team of Broad Spectrum contract from DOE/Bechtel-Jacobs, Processed highly reactive Mixed waste From Los Alamos, Developed costing model for proposal.

Technical Manager / Director of Operations

Rollins Environmental Services, Deer Trail, Colorado – 1992-1997

Responsible for managing all operations for the 40-person startup facility, which included production, laboratory, wastewater plant and groundwater monitoring program. Designed and developed new processes. Managed renewal permits required by RCRA and regulatory agencies such as EPA and CDPHE. Member of the team for a LLW application permit for the facility. Also acted as project manager for key projects completed by Rollins.

Achievements: Reduced the annual treatment cost by \$5,000,000, Negotiated new CDPS permit with CDPHE, Reduced the cost of the Ground Water monitoring program by \$50,000, Developed and implemented new treatment for the wastewater plant, Managed and negotiated the treatment of 40,000 drums of waste contaminated with Dioxins and Furans, Completed the treatment in 4 months.

Technical Supervisor / Project Supervisor

Stablex Canada Inc., Blainville, Quebec, Canada – 1983 – 1992

Supervised operations of a mobile unit and remediation for treatment of hazardous, inorganic and RCRA wastes. Responsible for technical aspect of production. Designed and developed new treatment process for cyanide waste.

Education

Business Management Certificate, Hautes Etudes Commerciales, Montreal, Canada, 1987

Analytical Chemistry, Ahuntsic College, Montreal, Canada, 1983

Human Geography Certificate, Montreal University, Montreal, Canada, 1979

General Sciences, Amiante Region College, Canada, 1977

Training / Certification

Occupational and Environmental Radiation Protection, Harvard School of Public Health
Radiation Worker I and II

Packaging, Transportation, and Disposal of Radioactive Waste, in compliance with NRC Part 71

40-Hour OSHA Training in compliance with 29 CFR 1910.120

Technician Level Emergency Response Training, in compliance with 29 CFR 1910.120(q)

Incident Command Emergency Response Training, in compliance with 29 CFR 120(q)(6)(v)

Management of Polychlorinated Biphenyls, ETMD

Associations

Member of the American Nuclear Society (ANS)

Papers

Treatment of Uranium and Thorium chips at the DOE Sites, Dr. Juan J. Ferrada, Oak Ridge National Laboratory, Greg Hulet, Idaho Engineering and Environmental Laboratory, Richard Grondin, Perma-Fix Environmental Services Inc., Presented at the American Institute of Chemical Engineers Conference in April 2003.

Industrial-scale Processes for Stabilizing Radioactively Contaminated Mercury Wastes, T.E. Broderick, P.E. Senior Research Engineer ADA Technologies, Inc., Richard Grondin, Vice-President Perma-Fix Environmental Services Inc., Presented at the Waste Management Conference in Tucson, AZ in February 2003.

Premier Technology Application of Vacuum-Assisted Thermal Desorption for the Treatment of Radioactive PCBs, S.G. Douglas, Compliance Manager M&EC, Richard Grondin, Vice-President Perma-Fix Environmental Services, Inc., Presented at the Waste Management Conference in Tucson, AZ in March 2005.

Treatment of Potentially Radioactive Metal Chips and Turning, Ben Crocker, Richard Grondin, Tom Yarbrough, Perma-Fix Environmental Services Inc., Presented at the 10th International Conference on Environmental Remediation and Radioactive Waste Management in Glasgow, Scotland in September 2005.

First Technology Application of Vacuum-Assisted Thermal Desorption for the Treatment of Radioactive PCB Contaminated Waste in the USA, Steve Douglas, Richard Grondin, Tom Yarbrough, Perma-Fix Environmental Services Inc., Presented at the 10th International Conference on Environmental Remediation and Radioactive Waste Management in Glasgow, Scotland in September 2005.

Charles D. White

Experience Summary

I have more than 15 years of experience in processing, packaging, transportation and manifesting of radioactive waste. I am familiar with the regulations and rate structures of all of the commercial low-level radioactive waste disposal sites and numerous processing facilities in the U.S. as well as the Hanford and Nevada DOE disposal sites.

Work History

9/09 – Present: Plant Operations Manager; Perma-Fix Northwest, Richland, WA

Responsible for the daily operations of the low level and mixed waste treatment and storage facilities. Provide management direction to non-thermal and thermal operations, laboratory, work control and administrative support. Maintain compliance with facility Radioactive Material Licenses and Mixed Waste facility RCRA/TSCA Permit. Manage receipt, shipment, processing and tracking of customer and facility generated waste. Review and develop operational procedures. Interface with customer service to ensure customer satisfaction. Maintain operations in compliance with RCRA, DOH and OSHA regulations. Support the General Manager in the establishment of long and short term goals including financial budgets and reporting.

8/07 – 9/09: Technical Manager; Perma-Fix Northwest, Richland, WA

Manage and supervise Facility Waste Acceptance personnel and Special projects. Responsibilities include review of all waste shipments for compliance with DOT and disposal site waste acceptance criteria (Hanford, Nevada Test Site, Energy Solutions, and US Ecology). Review of results of characterization samples. Provide direction and support to resolve issues with operations and customers.

1/05 – 8/07: KBC Waste Management Team Lead; EnergySolutions, Richland, WA

Position oversees the packaging and disposition of all CERCLA and RCRA hazardous, non-hazardous and radioactive waste generated by the KBasin Closure Project. Responsibilities include maintenance of site inventory, providing direction for packaging of all waste types and approving work packages. Scheduling shipment of all wastes offsite.

12/01 – 1/05: TSD Acceptance Representative Team Lead; Duratek Federal Services / EnergySolutions, Northwest Operation, Richland, WA

Position oversees technical acceptance reviews of all waste profiles and shipment packages for wastes destined for all (SWOC) Solid Waste Operations Complex facilities. Responsibilities include maintaining detailed and current knowledge of the acceptance criteria and operational requirements of all SWOC facilities. Coordinate any revisions and exceptions to the TSD unit's acceptance criteria. Communicate and coordinate the resolution of any operational issues.

Charles D. White

6/97 to 12/01; NARM Administrator / Manager NARM Services, US Ecology NARM Services, Richland, WA.

Position provides support to generators of NARM, Exempt and Low-Level Radioactive waste for the purpose of disposal of waste at the US Ecology LLRW facility. Responsibilities include interaction with state regulatory personnel for the purpose of gaining NARM determinations and packaging approvals for discrete NARM waste. Issuance of NARM / Exempt, source material and exempt byproduct material determinations after review of generators radioanalytical and chemical analysis. Brokerage activities include packaging, marking, labeling, surveying, manifesting and arranging for transport of radioactive materials for shipment to Low Level Radioactive Waste disposal and processing facilities. Responsible for providing competitive bids for the processing and disposal of LLRW and NARM wastes, development of brokerage procedures for NARM Services as well as invoicing of NARM waste received at the disposal site.

11/96 to 6/97; Certified Waste Broker, GUTIERREZ - PALMENBERG, INC.

Position centers on the brokerage of radioactive waste to designated processing and disposal facilities for the Department of Defense. Duties include development of bid packages and completion of those projects for the DOD and commercial customers. Also assist in the development of the WMIS (Waste Management Information System) database for the DOD, update of reg. guide manual for state to state guidance in shipment of radioactive material.

9/92 to 10/96; Radioactive Waste Shipping and Receiving Supervisor, ALLIED TECHNOLOGY GROUP, INC.

Position oversees the receipt, tracking, reporting, and shipment of all customer and facility generated waste. Duties center on the development and maintenance of compliance and tracking systems for the supercompaction and volume reduction facilities such as the site volume and radionuclide inventory, process planning, and individual waste stream tracking. Responsible for the direction of shipping/receiving personnel in the review of all incoming and preparation of all outgoing radioactive material shipments for compliance with DOT, WAC, facility licenses, and appropriate LLRW disposal facility (i.e., U.S. Ecology, Barnwell, Envirocare, WHC-EP-0063). Special projects include assisting in the development and rewrite of facility procedures by author and qualified review program, training of shipping/receiving personnel in DOT and WAC regulations, development of compliance time line, upgrade of facility waste classification program, and development of site bar code tracking system.

Education/Qualifications

Bachelor of Arts, Social Sciences - Minor Business Administration, Washington State University, 1989

Advanced Mixed Waste Shipper Certification Training-HMTC 10/07 & 10/09.

IATA Transport of Dangerous Goods by Air Shipper Certification - HMTC 12/07 & 12/09.

Advanced Radioactive Material Shipper Certification Training-Duratek Federal Services 12/00.

OSHA 40 HOUR HAZARDOUS MATERIAL WORKER TRAINING.

OSHA 8 HOUR HAZARDOUS MATERIAL SUPERVISOR TRAINING.

Approved Radioactive Waste Broker US Army Operational Support Command 9/01.

CURT CANNON
Radiation Safety / Waste Management

OBJECTIVE: Continue career in growth oriented company with progressive opportunities.

EDUCATION: Graduated Eastern Idaho Technical College
Radiological Safety – Applied Science Certificate
Currently working on BS Degree in Nuclear Technology. ~ 6 credit hours remain

**CONTINUED COURSES
AND CERTIFICATES:**

National Registry of Radiation Protection Technologists (NRRPT)
40 Hour OSHA Hazmat (29 CFR 1910.120) including 8 Hour Supervisor
Packaging and Transportation of Radioactive Waste (DOT 49 CFR)
Radiation Safety Officer Training (Nevada Technical Associates)
NASP Safety Manager/Trainer

WORK EXPERIENCE: • **Commercial Radioactive Waste Management / Reduction** •
Manager Environmental Health Safety and Quality (EHS&Q)
Radiation Safety Officer (RSO)
(1992 – Present)

Involved in all aspects of radioactive licensing and air permitting with Washington Department of Health. Oversee all aspects of the Health Physics Department to include dosimetry, training, and environmental records. Set up release program for decontaminated metals to include a QA monitoring program and complete involvement in setting up and experimentation of new instruments and procedures. Oversee QA and training departments. Decommissioning and releasing of a Facility in Yakima, WA that included Hazardous and Radioactive (mixed) waste processing.

Radioactive Material licenses (2) and Radioactive emissions air permits (5) included the following facilities and/or processes

- Vitrification of low-level radioactive waste using natural gas and joule electric for thermal treatment
- Thermal bulk processing units (2) for low-level radioactive waste
- Respirator decontamination and recertification facility
- Low-level radioactive material non-thermal decontamination and volume reduction
- Mixed waste stabilization and macroencapsulation
- Plasma treatment of organic mixed waste
- Rotary thermal desorbition
- Vitrification of mixed waste using plasma for thermal treatment

• **Department of Energy Facilities** •
Health Physics
(1987, 1990 – 1992)

Performed cost assessment surveys for DOE site clean up and building remediation. Health Physics coverage of remediation projects which included replacing mixed hazard waste drainpipe. QA surveillance of excess material and equipment for release to the public. Personnel survey, decontamination and documentation. Training lab personnel in use of proper radiological controls and survey techniques. Supplied all aspects of health physics support to on-site staff in accordance with DOE procedures.

• Commercial •
Health Physics
(1987 – 1990)

Provided health physics support during refueling and maintenance of boiling water and pressurized type reactors. Health physics coverage of generator chemical decon and generator maintenance, recirc pipe replacement, valve and snubber repair, insulation removal and replacement, underwater welding on upenders, fuel movement, removal and replacement of reactor head, cavity decon, metal decontamination, use of glove boxes, start up screen removal from turbines at a BWR and control point activities to monitor personnel and track doses received in containment. Remote air and radiation monitoring along with general radiation and contamination surveys.

EXTRA SKILLS / STUDY: Envirocare Users Seminar,
Ascending Managerial Experience and Responsibility
Experienced in interfacing with State and Federal agencies as well as customer QA
Interviewing and Hiring Personnel
Overseeing employee drug testing program
Security of 45 acre waste processing facility
Employee concerns coordination
Low level radioactive waste compact involvement
Disposal site rate regulation collaborative participant
Air emissions and environmental reporting
Research and development projects
Treatability studies

REFERENCES AVAILABLE ON REQUEST