

***Statement of Work for the
Treatment and Disposal of
Liquid Mixed Low-Level Waste***

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March 2002*

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Environmental Operations Directorate
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ACRONYMS

BBWI	Bechtel BWXT Idaho, LLC
DOE	Department of Energy
DOT	Department of Transportation
EPA	Environmental Protection Agency
INEEL	Idaho National Engineering and Environmental Laboratory
MLLW	mixed low-level waste
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NPDES	National Pollutant Discharge Elimination System
NRC	United States Nuclear Regulatory Commission
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
SOW	Statement of Work
TSDF	Treatment Storage and Disposal Facility
WAC	Waste Acceptance Criteria

Statement of Work for the Treatment and Disposal of Liquid Mixed Low-Level Waste

1. BACKGROUND

Bechtel BWXT Idaho, LLC (BBWI), a prime management and operating contractor for the U.S. Department of Energy (DOE), requires that a commercial firm provide treatment, transportation and disposal of liquid mixed low-level radioactive waste (MLLW) for the Idaho National Engineering and Environmental Laboratory (INEEL), located near Idaho Falls, Idaho. The INEEL Site is located approximately 50 miles west of Idaho Falls, Idaho, and is comprised of several facilities, including nuclear research and development laboratories and treatment, storage, and disposal facilities.

This Statement of Work (SOW) presents the requirements for the treatment, transportation and disposal of liquid MLLW currently in storage at the INEEL.

All activities associated with treatment, transportation and disposal of the INEEL liquid waste, and any residuals generated as the result of the treatment process shall be conducted in accordance with applicable federal, state, and local statutes and regulations.

2. SCOPE

The Subcontractor shall treat, transport and dispose of liquid MLLW currently in storage at the INEEL. The Subcontractor shall currently possess and maintain all applicable licenses/permits, personnel, facilities, equipment, and materials to perform the following activities:

- A. Any waste characterization above that required to satisfy the treatment facility waste acceptance criteria or to satisfy treatment requirements
- B. Waste treatment to meet applicable regulatory standards and requirements
- C. Waste treatment of any treatment residuals to meet applicable regulatory standards and requirements
- D. Waste characterization of any treated wastes, as required, to verify treatment standards have been met prior to disposal
- E. Transportation and disposal of the treated wastes and any residuals at a permitted and licensed MLLW disposal facility.

2.1 Waste Description

This SOW has been prepared for treatment, transportation and disposal of multiple liquid MLLW streams generated from various sources at the INEEL. The liquid MLLW is containerized and currently resides in compliant storage at the INEEL. Appendix A summarizes the waste streams being considered for treatment.

The estimated amount of waste for which treatment is sought is 32 cubic meters (approximately 40,000 pounds). The liquid MLLW carries a multitude of Environmental Protection Agency (EPA) waste codes and may be contaminated with polychlorinated biphenyls (PCBs).

The radioactive component of the liquid waste is classified as low-level radioactive material. The waste is not classified as transuranic (i.e., alpha emitting radionuclides with an atomic number greater than 92, half-life greater than 20 years, in concentrations greater than 100 nanocuries per gram) or high-level waste.

Each liquid MLLW stream has unique chemical and physical properties. Each liquid waste stream may require different handling, transfer, blending, processing, and treatment processes. The wastes have been grouped based on EPA waste code, physical and chemical properties, and/or potential known treatment process(es) to meet disposal standards. The treatment groups include stabilization, thermal/non-thermal treatment for organics, PCB treatment, and mercury treatment.

3. TECHNICAL REQUIREMENTS

3.1 Transportation of Raw Waste

BBWI is responsible for completing the radioactive and hazardous materials manifests and other required shipping papers. All shipping papers shall be approved by the BBWI Packaging and Transportation Department before the transporter is allowed to leave the INEEL boundary. BBWI will act as shipper of record for outbound shipments.

BBWI will verify that the containers holding the liquid MLLW meet the applicable U.S. Department of Transportation (DOT) regulations and are properly labeled. The majority of INEEL waste containers will be DOT drums (5 to 85 gallons). BBWI will procure the services of a licensed shipping company(s) to transport the liquid MLLW to the Subcontractor's facilities. BBWI personnel will load the containerized waste onto the transport vehicle. All shipping containers will be surveyed to ensure that there is no radioactive surface contamination on the outside of the containers.

The Subcontractor shall identify any state-specific transportation requirements. If the Subcontractor's host state requires state-specific manifests to ship liquid MLLW, the Subcontractor shall provide copies of such to BBWI for completion.

3.2 Waste Acceptance

The Subcontractor shall sign and return all radioactive and hazardous materials manifests to BBWI once the liquid MLLW arrives and is accepted at the Subcontractor's facility. The Subcontractor is responsible for accepting the INEEL liquid MLLW in accordance with the Subcontractor's waste acceptance criteria.

3.3 Waste Characterization

BBWI is responsible for characterizing the waste sufficiently to ensure it meets DOT and state regulations for manifesting, EPA requirements, and the waste acceptance criteria of the subcontracted treatment facility.

If the subcontractor determines that some liquid wastes need additional characterization above that required to satisfy the treatment facility waste acceptance criteria or to satisfy their treatment requirements, the subcontractor must be responsible for obtaining this characterization at their expense. The subcontractor must show documented proof that any treatment facility, pilot facility, or laboratory that is to receive characterization samples is fully permitted, authorized, or licensed for the waste to be received prior to shipment of the samples. The subcontractor must use a laboratory approved for analytical services by the INEEL Sample Management Office. The inspection/ assessment of the subcontractor's facility prior to award of the subcontract will include INEEL Sample Management Office personnel to complete the on-site portion of laboratory approval.

The Subcontractor shall properly characterize the treated wastes and treatment residuals to ensure that all land disposal requirements and waste acceptance criteria have been met.

The Subcontractor must sample and characterize all treated wastes in accordance with a random, statistically valid, sampling and analysis plan to demonstrate that all wastes pass the land disposal restriction treatment standards; meet the disposal facility waste acceptance criteria; and are acceptable for

disposal. BBWI reserves the right to audit the certification process that the Subcontractor uses for verifying that wastes meet land disposal restriction requirements, meet the disposal facility waste acceptance criteria, and to ensure that the proper certifying documentation has been completed.

All sampling, sample handling, analysis, data management, and QA/QC procedures must be in accordance with the current revision of the EPA document, SW-846, "Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods," unless applicable state law or permit provisions impose different requirements that are inconsistent with SW-846. The Subcontractor must ensure that all documentation and analytical procedures employed meet applicable requirements of this SOW.

3.4 Waste Treatment

The Subcontractor shall treat the INEEL liquid MLLW in accordance with applicable federal, state, and local regulations. Hazardous waste and waste residues shall be disposed of in a RCRA Subtitle C landfill. Upon the Subcontractor accepting and taking possession of INEEL MLLW, to the maximum extent allowed by law, the Subcontractor will assume title, risk of loss, and all other incidents of ownership to the waste.

- A. Before initiating any treatment activities, the Subcontractor shall ensure that all equipment to be used will not cross-contaminate INEEL waste with other customers waste such that it will adversely affect disposal of the treated waste. If the Subcontractor cross-contaminates and adversely affects disposal of INEEL MLLW, the Subcontractor shall pay all costs for reprocessing, transportation, storage, and handling, and any additional or excess disposal costs incurred as a result of the cross-contamination.
- B. The Subcontractor must perform all inspections required at the Subcontractor's facilities to ensure proper execution of treatment, and demonstrate compliance to all regulations required by RCRA and TSCA regulations and radiological materials license conditions.
- C. BBWI will coordinate waste shipments with the Subcontractor to ensure that all waste inventory requirements are met. The Subcontractor must maintain an accurate inventory of all waste at the Subcontractor's site, including secondary waste generated during treatment.
- D. Any secondary wastes generated as a result of the waste treatment process(es) shall be the responsibility of the Subcontractor. This secondary waste shall be managed, tracked, treated, and disposed of by the Subcontractor as Subcontractor waste.
- E. All containers of waste selected for treatment must be emptied of their contents, and the contents treated and disposed. Empty containers must be cleaned (including removal of all labels and tags) and either processed, packaged, and transported for disposal or reuse, at the discretion of the Subcontractor. Any reused containers must be managed in accordance with applicable laws and regulations. BBWI will not accept liability for any further use of the containers beyond transporting the waste to the treatment facility, nor will BBWI accept return of the empty containers. If any waste arrives at the Subcontractor's treatment facility on pallets, the pallets must be dispositioned in accordance with applicable laws and regulations and at the discretion of the Subcontractor. BBWI will not accept liability for any further use of the pallets beyond transporting the waste to the treatment facility.

3.5 Transportation and Disposal

The Subcontractor shall arrange for the transportation of all treated MLLW from the Subcontractor's facility to the disposal facility, as necessary. Before the treated MLLW leaves the Subcontractor's facility, the Subcontractor shall verify compliance to all federal, state, and local regulations for waste transportation. The Subcontractor shall provide BBWI with copies of all applicable shipping manifests prior to shipment from the Subcontractor's facility. The Subcontractor shall also provide Certificates of Disposal after disposal is accomplished.

4. DELIVERABLES

The Subcontractor shall provide shipping manifests and certificates of disposal, as required, during performance of the tasks described in this SOW.

5. SPECIAL CONSIDERATIONS & MISCELLANEOUS INFORMATION

BBWI will accurately and completely characterize the liquid MLLW to be treated and disposed. BBWI will apprise the Subcontractor of hazards and risks known to be associated with the waste material. If BBWI receives information indicating that the waste material or components of the waste material present or may present a hazard to a person or the environment not disclosed in the waste profile documentation, BBWI will promptly inform the Subcontractor.

Nonconforming waste (that is, waste not in accordance with the descriptions, limitations, or specifications stated in the waste profile documentation and not conforming to the Subcontractor's waste acceptance criteria) shall be returned to BBWI, at BBWI's expense. The Subcontractor shall coordinate schedules and notifications for shipping of the nonconforming waste with the BBWI Procurement Agent and the BBWI Packaging and Transportation Department.

Appendix A

Candidate Liquid Waste Streams

A	B	C	D	E	F	G	H	I	J	K
STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
1	1019	S&T, ARA-1 Clean Up Waste	INEL2401	0.208	180	118	D001, D002, D007, F002, F003, F005	Thermal	WWSB	
2	ID-CFA-103	Methylene Chloride/Water Mixture MIXED WASTE-DILUTE	INEL13064	0.019	11	2.2	D012 -D043, F002	Thermal	PER613	
3	634	HYDROCHLORIC ACID WITH HEAVY METALS	INEL13060	0.114	36	2	D002, D005, D006, D007, D008, D009	Stabilization	PER613	
4	ID-CFA-121	650.R1					D001, D012, D013, D014, D015, D016, D017, D018, D019, D020, D021, D022, D023, D024, D025, D026, D027, D028, Lab Pack / Thermal			
5	655.R1	63% METHANOL / 37% WATER	INEL13062	0.019	18	8	D029, D030, D031, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043, F002, F003	Lab Pack / Thermal	WWSB	
6	656	Alcohol Solution	INEL3230	0.03	15	10	D001, D012-D043, F003	Lab Pack Thermal	WWSB	
7		methanol solution	INEL5026	0.019	13	1.5	D001, D012-D043, F003	Lab Pack Thermal	WWSB	
8	801.R1	OL EXTRACTS FROM VOLATILES AN	INEL13063	0.019	8	0.55	D001, D005, D006, D007, D008, D009, D010, D011, F003	Thermal	WWSB	
9	2019	Flammable Lab Waste	INEL8877	0.208	125	45	D001	Lab Pack Thermal	WWSB	
10	2019A	HDEHP & N-Hpiane Lab Analytical Waste	INEL11491	0.03	4.5	2.64	D001	Thermal/NonThermal	WWSB	
11			INEL9382	0.208	400	374	D002	Stabilization	MWSF	
12			INEL9383	0.208	400	374	D002	Stabilization	MWSF	
13	1915	Composited Aqueous Laboratory Waste	INEL9384	0.208	400	374	D002	Stabilization	MWSF	
14	ID-CFA-556		INEL9385	0.208	400	374	D002	Stabilization	MWSF	
15			INEL9386	0.114	250	240	D002	Stabilization	MWSF	
16	2774	Acidic Waste with Heavy Metals	12589	0.076	56	25.6	D002, D004-D011 Process	ATG- HG Process	MWSF	High Mercury Subcategory Waste
17	ID-CFA-662	SCINTILLATION COCKTAIL (INSTAGEL XF & WATER)	INEL5464	0.208	359	33	D001	Thermal	WWSB	
18			INEL11094	0.076	75	33	D007, D008	Stabilization	MWSF	
19	ID-CFA-664	EDTA and Lead Lab Waste	INEL5463	0.208	168	107	D005, D007, D008	Stabilization	MWSF	
20			INEL9853	0.114	120	42	D002, D005, D008	Stabilization	MWSF	
21	ID-CFA-734	Xylene, Aliquat 335 with Perchlorate	INEL5679	0.208	108	47	D001, F003	Organic Thermal/NonThermal	WWSB	
22	1688A	Methanol Decontamination Rinse	10422	0.033	30	4	D001, D009, F003	Organic Thermal/NonThermal	MWSF	
23	1941N	Lab Residues from TRA 660 Lead Shavings and Bolt	TRA990016	0.033	18	9	D008, D010	Stabilization	MWSF	99% Liquid
24		Analytical Residue-from TRA 660 Si and gross alpha analysis	TRA990017	0.033	12	3	D002, D008, D010	Stabilization	MWSF	5% Liquid, 95% Solid
25	2309Q		TRA990078	0.016	12	3.08	D006, D008	Stabilization	WWSB	

A	B	C	D	E	F	G	H	I	J	K
STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
1	2603	Ignitable Organic Analytical Residues	8238	0.208	129	74	D006, D008	Stabilization	CPP1617	
26			SMC000115	0.19	23	18			WWSB	
27			SMC000196	0.076	67	47	D002, D007, D008	Stabilization	WWSB	
28	2829N	SMC Analytical Laboratory Waste from SAA-TAN-679-149A	SMC000198	0.19	17	12	D002, D007	Stabilization	WWSB	
29			SMC000199	0.076	64	44	D002, D004-D011	Stabilization	WWSB	
30			SMC000200	0.208	119	91	D02, D006-D008, D01	Stabilization	WWSB	
31			SMC000201	0.208	181	124	D002	Stabilization	WWSB	
32	3568.R1	TAN 607 Lab Packs	189.4K							
33	ID-1NL-289	AEDL C-14 Ethanolamine/Ethanol Waste	17524K	0.016	12	3	D001		MWSF	
34	2934	Silver Neutralized Analytical Solution	14620K	0.065	68	42	-		MWSF	
35		MLW-Liquid from Solvent Extraction R&D using rad tracers	17618K	0.016	10	2.2	D002, F004	Stabilization	Organic Thermal/NonThermal	CPP1617
36	3022	Uranium in acidic solution (Incinerable)	17435K	0.004	11	2.65	D002	Stabilization	Organic Thermal/NonThermal	
37	3568	TAN 607 Lab Packs	19611K	0.208	143	88	D001	Stabilization	Organic Thermal/NonThermal	
38	2038N	Lab Pack Ignitable lab waste	TRA980015	0.019	5.06	0.44	D001	Stabilization	Organic Thermal/NonThermal	
39	2430N	Lab Pack from Lab 129-Aqueous Inertiable Liquid Residue	TRA000122	0.076	78	40	D002, D006-D008, F001, F002, F003, F005, U007	Stabilization	WWSB	
40	1362.R1	UNALTERED RADIONANALYTICAL SAMPLES FROM MLW COMMERCIAL DISPOSAL PROJECT (EGG.WM.11342)	INEL9706	0.019	13	3	D006 - D009, D040	Stabilization	WWSB	
41	2040.R1	Maxim Laboratory Samples (CERCLA)	INE9463	0.114	106.99	27.98	D002, D004-D009, D018, D019, D022, D028, D029, D035, D036, D038, D039, D040, D043, F001	Stabilization	PER613	
42			INE9474	0.076	74	13.58	D008	Stabilization	PER613	
43			INE9475	0.208	320	273	D002, D007, D009	Stabilization	PER613	
44			INE9476	0.208	320	273		Stabilization	PER613	
45			INE9477	0.208	320	273	D002	Stabilization	PER613	
46			INE9478	0.208	320	273	D007, D009	Stabilization	PER613	
47	2138.R1	Y-96 Treatability Study Sample Returns	INE11092	0.030	35	15.9	D002, D006-D009, D039, F002, F003	Stabilization	PER613	
48	2138	FY-96 Treatability Study Sample	INE11091	0.076	91	46.9	D006, D008, D009	Mercury	MWSF	
49	2265B	Legacy Samples Per WROC-SAP-6.21 & WROC-SAP-6.13 from CPP/TRA	13450K	0.114	28	15.2	D006-D011, D018, D019, D022, D028, D030, D032, D038, D040, D043, F002	Mercury	WWSB	
50			14618K	0.208	233	100	D002		MWSF	
51	2852	AEDL Radionanalytical Lab Pack Waste Stream (Incerible)	14619K	0.076	82	40			MWSF	
52			17525K	0.076	79	43.9	D006, D011	Stabilization	MWSF	
53			17526K	0.019	14	8	D002, D008		MWSF	
54			16379K	0.019	12	8	D002, D008		CPP1617	
55	2898	Radioactive Acidic Waste with RCRA Metals-Labpack	18507K	0.019	12.2	1.52	D002	Stabilization	MWSF	
56			21720K	0.019	15	4.1	D002		MWSF	

A	B	C	D	E	F	G	H	I	J	K
STP ID#	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	EPA Codes	Treatment Path	Storage Facility		Comments
57		Labpack-AEDL analysis residues with metals (liquids & solids)	21721K	0.019	9	0.44	D006, D007, D008, D011	MWSF		
58	ID-INL-299	PBF Sport IV Lake Sample	14622K	0.019	14	1.76	D006, D007, D008, D011	Stabilization	MWSF	
59	3114	QC Sample Equipment Rinseate	17385K	0.019	14	4.4	D004-D011, F003	Stabilization	MWSF	
60	3450		20347K	0.019	11	3.3	D002	Stabilization	MWSF	
61			22987K	0.019	11	7	F001-F005		WWSB	
62			23504N	0.019	11	1.76	D002, D006-D008 D-11, F002, F003, F005	MWSF		
63			TRAC00052	0.03	17	7.7	D002, D006, D008, D009, D011	D002, D008, D009, D011	WWSB	5% Liquid
64	3482	Lab residues from Sample Analysis	TRAC00054	0.03	31	15	D002, D006, D008, D009, D011	Stabilization	WWSB	
65			TRAC00064	0.019	5	1.83	D002, D006, D008, F001, F003, F005	D002, D006, D008, D009, D011	WWSB	
66			TRAC00065	0.019	10	0.68	D001, D002, D006, D011, F005	D001, D002, D006, D011, F005	WWSB	
67			TRAC00066	0.114	50	13.5	D002, D008	D002, D008	WWSB	
68			TRAS90046	0.019	11	9	D002, D007, D008, D010	D002, D007, D008, D010	WWSB	
69	596	Waste Oil from Unidentified Process	INEL5300	0.019	21	18	D009	Organic Thermal/NonTh email	MWSF	
70	652.R1	Metals in Acid Electropolating Solution	INEL13061	0.019	12	8	D002, D006-D008, D011, F007	D002, D006-D008, D011, F007	MWSF	
71			INEL10513	0.019	22	12	D008, D009, D040, F001, F002, F003, F005	D008, D009, D040, F001, F002, F003, F005	Stabilization	MWSF
72	1862	Maxim Lab Samples (CERCLA)	INEL10516	0.03	36	11.2	D002, D006-D009	D002, D006-D009	Stabilization	MWSF
73			INEL10520	0.016	101.2	22.95	D005-D009, D011, D040, F001, F002, F003, F005	D005-D009, D011, D040, F001, F002, F003, F005	Stabilization	MWSF
74			INEL10522	0.019	25	4.3	D002, D007, D009, F001-F003	D002, D007, D009, F001-F003	Stabilization	MWSF
75	779	Samples with Flammable Liquids & "F" Solvent/Metal Contamination	INEL6827	0.208	146	5	D001, D002, D006, D007, F002, F005	D001, D002, D006, D007, F002, F005	Lab Pack Thermal	WWSB
76	2237	Sludge Sample from ARA OU-05 CERCLA (Inherable)	14793K	0.019	11	5	D003	Stabilization	CPP1617	
77	2428	Scintillation Samples (LSDP 36SMT20009) Legacy Sample Waste	16585K	0.019	10	0.5	D001, F-005	Organic Thermal/NonTh email	MWSF	
78	2429	Carbon-14 standards (LSDP36SMT20009) Legacy Sample Waste	16583K	0.019	10.2	0.51	D001	Organic Thermal/NonTh email	MWSF	
79	2743	Legacy Sample #66SMT020044	16333K	0.019	10	5	D008, F001, F002, F005, L134	D008, F001, F002, F005, L134	Stabilization	CPP1617
80	2776	Legacy Sample #66SMT030002-Schindler Organic Solution	16335K	0.019	13	7	D009, D018, D029, D043	D009, D018, D029, D043	Stabilization	CPP1617
81	2818	Inherable, contact-handled MLLW (Nuc. Ops. Legacy Samples)	17117K	0.208	147	18.9	D002, D006, D007	D002, D006, D007	Stabilization	MWSF
82	2818.R1	On-contact-handled MLLW (Nuc. Ops. Legacy Samples)	17117K	0.019	13	1.65	D006	F002	Stabilization	MWSF
83	2838	Inherable contact-handled MLLW (Nuc. Ops. Legacy Samples)	17117K	0.019	12	0.498	D002, D008	D002, D008	Thermal	PER613
84	2839	MLLW to be stored (Nuc. Ops. Legacy samples)	17520K	0.208	227	94.3	D002, D006, D007	D002, D006, D007	Stabilization	MWSF
85					550	25				MWSF

A	B	C	D	E	F	G	H	I	J	K
SIP ID #	Material Profile	Waste Description	BarCode	Volume m3	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments	
1	2850	Inocerable, contact-handled MLLW (Nuc. Ops. Legacy Samples)	17521K	0.114	85	4.16	D002, D018, D019, D022, D026, D028, D029, D039, D040, D043	Thermal/Non Thermal	MWSF	
86	2315	(CERCLA) Samples from Underground Storage Tank (TRA-16) and QC Water Samples (Incerable)	16899K	0.019	8	2		Stabilization	MWSF	
87	ID-INL-694	TSF-2B Water Samples (PM-2A tanks)(CERCLA) (Potential Incinerable)	15078K	0.076	33	4.4	D002, D018, F001	Organic	MWSF	
88	2621		17646K	0.019	11.1	0.48	D002, F001, F002, F005, U134	Thermal	MWSF	
89			17647K	0.019	10.3	0.64	D008, F001, F002, F005, U134	TSCA/PCB	MWSF	
90	ID-INL-700	NRF ECF Evaporator AID Analysis Residues	17648K	0.019	11.35	0.79	F001, F002, F005, U134	TSCA/PCB	MWSF	
91			17649K	0.019	14.3	6.16	F001, F002, F005, U134	TSCA/PCB	MWSF	
92		MLLW Floor Stripping Materials	22204K	0.05	80	65	D002	Stabilization	MWSF	
93	ID-INL-710		TRA000111	0.019	10	1.2	F001-F003, F005, U007		WWSB	
94	ID-INL-724	Lab Pack from Lab 110 - Aqueous Incinerable Liquid Residue	TRA000123	0.076	71	30	D002, D006, D007, D008, F001-F003, F005, U007	Stabilization	WWSB	
95			ANL010080	0.238	100	45	D007-D009		ANL193	
96	2855	Catch Tank #3 Liquid MLLW Used Oil	TRAS90098	0.322	387	337	D006, D008, D009	Stabilization	WWSB	
97	2362N	Blow Torch Fuel	TRA00110	0.019	10	2	D001, D008, D018	Thermal	PER613	
98	ID-INL-726	INTEC Radiologically-contaminated Waste Oil	INTC00278	0.208	257	197	D010	Thermal	CPP1676	
99	2585N		INEL12240	0.269	450	379	D002, D006, D007, D008, F001	Stabilization	WWSB	
100	ID-PBF-147	MLLW Decant Water	INEI7804	0.019	22	18	D008, D039, D040, D001		MWSF	
101			INEI9849	0.03	40	28	D001, D002, D008, D018, D028, D040, D043, F003, F006		WWSB	
102	1716	Treatability Study Residue-liquid samples	INEI9852	0.076	32	19.3	D001, D008, D012, D043, F001, F002, F003, F005	TSCA/PCB	WWSB	
103			INEI9874	0.019	6	2	D008		MWSF	
104			INEI13056	0.019	11	6	D008, D009		PER613	
105			INEI9951	0.03	19	3.7	D006, D008	Stabilization	MWSF	
106	1748	TCLP Extracts	INEI10322	0.019	15	1.9	D008, D007	Stabilization	not available	
107	ID-PBF-297	TRA Treatability Study Sample Returns	INEI10323	0.076	47	6.52	D001, D007, D012-D016, D018-D043, F001-F003	Stabilization	MWSF	
108		Incerable sample waste from WROC SAP-6.21	INEI13065	0.208	132	77	D006, D007, D008	Stabilization	MWSF	
109		Sample Waste-Incerable and Non-Incerable	14338K	0.208	13.8	10	D006, D008, F002	Stabilization		
110			16662K	0.208	187	125	D006, D007, D008, D009, F001	Stabilization	MWSF	
111	2872	FY-97 Treatability Study returns	16663K	0.114	102	70		Stabilization	MWSF	
112									80% Liquid, 20% Solid	

A	B	C	D	E	F	G	H	I	J	K
STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
1	3286	Treatability Study Residues from FY83 through F'98	22128K	0.076	87	14	D002, D006, D008, F001, F002, F003, F005, F007	Stabilization	WWSB	
113	2905K	Water from Soil Waste Contaminated with Chromium and Lead Rinse Water	PBF-0013	0.114	63	46	D007, D008	Stabilization	PER613	
114	ID-PBF-545		INEL-13071	0.076	86	76	D007, D008	Stabilization	MWSF	
115	ID-PBF-684						D001, D006, D018, D039, F002, F003, F005, U039	Thermal/NonThermal	MWSF	
116	3050	GEO TECH Sample Residues (Mixed)	18216K	0.208	172	50	D005-D008, D011, D018, D035, D039	Thermal/NonThermal	MWSF	
117	ID-SMC-133		18218K	0.114	90	35	D002	SCMS	WWSB	
118	3120	AA-ICP Wastewater	19804K	0.208	500	378	D001, D008, D018, D035, D039	Thermal	PER613	
119			19805K	0.114	280	238	D001	Thermal	PER613	
120	ID-SMC-301	TCA Still bottoms - flammable phase (SMC)	INEL-11139	0.208	437	390	D001, D008, D018, D035	Thermal	PER613	
121	1975.R1		INEL-11140	0.360	270	173	D001, D008, D018, D035	Thermal	PER613	
122	1720A	Oil Based paint Bulked	11142	0.208	611	535	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
123			11143	0.208	626	550	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
124			22187K	0.019	17	4.19	D001, D008, D018, D035	Thermal/NonThermal	WWSB	
125	ID-SMC-303	Latex Paint, Bulked	INEL-10878	0.208	220	172	D009, D018	Thermal/NonThermal	MWSF	
126			11145	0.208	168	108	D001, D018, F002, F003, F005	Thermal/NonThermal	MWSF	
127			11146	0.208	290	230	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
128			11147	0.208	524	464	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
129	1727A	Paint Thinner/Stripper	11148	0.208	468	408	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
130			11149	0.208	468	408	D001, D008, D018, D035	Thermal/NonThermal	MWSF	
131	ID-SMC-305	The Polar Cut Coolant	INEL-10421	0.208	249	193	D006	Stabilization	MWSF	
132	1687		11461	0.208	428	378	D002, D006-D010	Stabilization	WWSB	
133	ID-SMC-691	Nitric Acid Waste	11462	0.208	346	296	D002, D010	Stabilization	WWSB	
134			18227K	0.019	10	0.25	U226	Thermal/NonThermal	MWSF	
135	ID-SMC-696	1,1,1-trichloroethane	18228K	0.019	10	0.25	D002, U226	Thermal/NonThermal	MWSF	
136			INEL-676	0.208	260	233	D008, D009, F001	Thermal/NonThermal	MWSF	
137	1003	Waste and Sludge From IET Valve Pit	INEL-677	0.208	270	244	D008, D009, D040, F001	Thermal/NonThermal	MWSF	
138	ID-TAN-170	IET Valve Pit Sludge (ER waste)	INEL-11439	0.314	466	330	D008, D009, D040, F001	Thermal/NonThermal	MWSF	23% Liquid
139	1986	CERCLA	13102	0.208	298	223	F001	Stabilization	WWSB	
140	2447	TSF-21 Vault Equipment Decontamination Water	16774K	0.019	8	1.2	F001	Stabilization	MWSF	
141								Thermal/NonThermal	WWSB	
142	ID-TAN-188	TURCO Decon Solvent	INEL-2813	0.114	155	117	D001, D040	Stabilization	MWSF	
143			INEL-5801	0.208	435	380	D008, D009	Stabilization	MWSF	
144	ID-TAN-254	TAN Mercury Contaminated Rinse Solution Sludge	INEL-5802	0.208	440	390	D008, D009	Stabilization	MWSF	
145			INEL-5803	0.208	460	410	D008, D009	Stabilization	MWSF	
146			INEL-5804	0.208	450	400	D008, D009	Stabilization	MWSF	
147			14471K	0.208	207	137	D002, F001	Thermal/NonThermal	WWSB	
148	2331	GWTF Altered Samples (CERCLA)	14472K	0.208	237	167	D002, F001	Thermal/NonThermal	WWSB	
149			14473K	0.208	140	70	D002, F001	Thermal/NonThermal	WWSB	
150	ID-TAN-559		14474K	0.208	254	152	D002, F001	Thermal/NonThermal	MWSF	
151			14475K	0.208	100	15	D002, D028, F001	Thermal/NonThermal	MWSF	
152		GWTF Altered/Unaltered Sample Waste (CERCLA) Incinerable Lab	16300K	0.208	196	101	D002, D028, F001	Thermal/NonThermal	MWSF	
153	2331A		16301K	0.208	171	57	D002, D028, F001	Thermal/NonThermal	MWSF	

A	B	C	D	E	F	G	H	I	J	K
STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
191	3196	Acidic Laboratory Waste with INTEC Part A Codes and PCBs	17645K	0.076	142	132	D002, D004-D011, D018, D019, D021, D022, D026, D028, D028, D018	TSCAI	MWSF	MWSF
192			17651K	0.019	11.3	0.57				
193			18493K	0.076	180	170				
194	1837.R1	Chemical Plant Oil	INEL9149	0.03	32	19.5				
195			18392K	0.019	35	32.5				
196			18393K	0.019	35	32.5				
197			18577K	0.019	21	19				
198			22183K	0.019	11	10				
199			22781K	0.076	145	135				
200			INTC00097	0.019	35	29.5				
201	ID-TEC-217	Quench Pump Radioactive Oil	INTC000198	0.019	38	32				
202	2602.R1		INTC000268	0.019	35	29				
203			INTC000270	0.019	38	32				
204			INTC990100	0.076	85.5	78.5				
205			INTC990234	0.076	79	67				
206			INTC990308	0.019	35	32				
207			INTC990315	0.076	79	69				
208			INTC990324	0.076	60	37.5				
209	2143N	Neutralized KMnO4 Solution w/INTEC Listed Codes	INTC000249	0.019	27	22	D009, F001, F002, F005, U134	Stabilization	WWSB	
210			INTC990066	0.03	71	19	D009, F001, F002, F005, U134	Stabilization	MWSF	
211			18498K	0.023	18.4	4.3	D009, F001-F002, F005, U134		MWSF	
212	ID-TEC-301		21701K	0.019	22.9	7.4	D009, F001-F002, F005, U134		MWSF	
213	3341	Analytical Solvent residues (No PCBs) with Listed Waste Codes	INTC000244	0.019	25	22	D001, D009, F001, F002, F005, U134		WWSB	
214			MWSF010001	0.076	76	28	D001, D009, F001, F002, F005, U134	Stabilization	MWSF	
215			INTC990045	0.019	11.5	4	F001, F002, F005, U134		MWSF	
216			INTC990055	0.076	55	15	D001, D009, F001, F002, F005, U134	Stabilization	MWSF	
217	1953.R1	ICPP Aqueous Corrosive Lab Waste and Debris	INEL10802	0.076	111	99	D002, D006, D007, D009, F001, F002, F005, U134	Stabilization	WWSB	
218	2467.R1	High Chloride Sulfate Acid Waste INTEC ALD TAN V Soils Analysis Residues	10393	0.028	12	4	D002, F001	Stabilization	CPP1617	
219	3272		21718KN	0.057	63	58	D002, F001	Stabilization	MWSF	
220			17656K	0.076	115	103	D002, D004-D011, F001, F002, F005, U134	Stabilization	MWSF	
221			18425K	0.076	92	80	D002, D004-D011, F001, F002, F005, U134	Stabilization	MWSF	
222			18479K	0.114	258	244	D002, D006, D007, D009, F001, F002, F005, U134	Stabilization	MWSF	
223			18480K	0.076	174	164	D002, D006, D007, D009, F001, F002, F005, U134	Stabilization	MWSF	

A	B	C	D	E	F	G	H	I	J	K
1	STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility
224				21686K	0.114	112	45	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
225				21697K	0.114	85	35	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
226				21703K	0.208	420	375	D002, F001, F002, F005, U134	Stabilization	WWSB
227				21714K	0.019	28.75	25.75	D002, D004-D011, F001, F002, F005, U134	Stabilization	MWSF
228				22625K	0.076	80	68	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
229				22628K	0.076	56	44	D002, F001, F002, F005, U134	Stabilization	MWSF
230				22783K	0.208	244	214	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
231				INTC000027	0.019	36	33	D002, F008, F001, F002, F005, U134	Stabilization	WWSB
232				INTC000031	0.076	188	178	D002, D004, D006- D011, F001, F002, F005, U134	Stabilization	WWSB
233				INTC000033	0.019	25	18	D002, D004, D006- D009, F001, F002, F005, U134	Stabilization	WWSB
234				INTC000050	0.208	435	412	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
235				INTC000053	0.208	468	466	D002, D004-D009, D011, F001, F002, F005, U134	Stabilization	WWSB
236				INTC000141	0.019	34	31	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
237	2467A		Acidic, Radioactive, Liquid Wastes with CPP listed Waste Codes	INTC000142	0.019	42	39	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
238				INTC000143	0.019	36	33	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
239				INTC000144	0.019	41	38	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
240				INTC000145	0.019	35	32	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
241				INTC000163	0.019	44	38	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB
242				INTC000164	0.019	30	24	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB

A	B	C	D	E	F	G	H	I	J	K
1	STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight	Net weight	EPA Codes	Treatment Path	Storage Facility
243				INTC000183	0.019	13	10	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
244	ID-TEC-302			INTC000184	0.019	46	43	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
245				INTC000186	0.019	43	37	D002, D004-D011	Stabilization	VWSB
246				INTC000187	0.019	29	23	D002, D004-D011	Stabilization	VWSB
247				INTC000188	0.019	35	29	D002, D004-D011	Stabilization	VWSB
248				INTC000189	0.019	38	32	D002, D004-D011	Stabilization	VWSB
249				INTC000253	0.019	19	9	D002, F001 F002, F005, U134	Stabilization	VWSB
250				INTC000255	0.019	17	9	D002, F001 F002, F005, U134	Stabilization	VWSB
251				INTC000337	0.019	10	1	D002, D008	Stabilization	VWSB
252				INTC000338	0.019	9	1	D002, D008 F001, F002, F005 U134	Stabilization	VWSB
253				INTC000340	0.019	35	29	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
254				INTC000341	0.019	40	34	D002, F001 F002, F005, U134	Stabilization	VWSB
255				INTC000342	0.019	45	39	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
256				INTC000343	0.019	44	38	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
257				INTC000344	0.019	39	33	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
258				INTC980031	0.076	83	32.5	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
259				INTC980064	0.208	414	389	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
260				INTC980065	0.208	460	430	D002, F001 F002, F005, U134	Stabilization	VWSB
261				INTC980069	0.076	71	22.5	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
262				INTC980070	0.114	239	222	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
263				INTC980143	0.114	235	218	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
264				INTC980199	0.076	53	8	D002, D009 F001, F002, F005 U134	Stabilization	VWSB
265				16345K	0.208	377	322	D002, D006 D007, F001, F002, F005, U134	Stabilization	CPP1617
266				16367K	0.208	470	408	D002, D004-D011, D018, D019, D021, D022, D026, D028, D032, D034, D035, D036, D038, D039, D040, F001, F002, F005 U134	Stabilization	CPP1617
267				18386K	0.057	144	136	D002, D004-D011, F001, F002, F005, U134	Stabilization	CPP1617
268				18388K	0.057	143	135	D002, D006 D007, D009, F001, F002, F005, U134	Stabilization	CPP1617

A	B	C	D	E	F	G	H	I	J	K
STP ID #	Material Profile	Waste Description	BarCode	Volume m3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
269			18407K	0.076	40	22	D002, F001, F002, F005, U134	Stabilization	PER613	
270	2467.R1	High Chloride/High sulfate acid waste	18409K	0.076	123	113.5	D002, D009, F001, F002, F005, U134	Stabilization	CPP1617	
271			18420K	0.057	141	134	D009, D010, F001, F002, F005, U134	Stabilization	CPP1617	
272			18452K	0.114	197	167	D002, D006, F001, F002, F005, U134	Stabilization	CPP1617	
273			18461K	0.019	47	44	D002, D004-D011, F001, F002, F005, U134	Stabilization	CPP1617	
274			18467K	0.019	50	46	D002, D004-D011, F001, F002, F005, U134	Stabilization	PER613	
275			21560K	0.208	491	461	D002, D004-D011, F001, F002, F005, U134	Stabilization	WWSB	
276			22627K	0.019	42	39	D002, F001, F002, F005, U134	Stabilization	PER613	
277			8239	0.208	149	94	D002, F001, F002, F005, U134	Stabilization	CPP1617	
278			9290	0.085	79		D002, F001, F002, F005, U134	Stabilization	CPP1617	
279			9291	0.208	148	93	D01, F002, F005, U132	Stabilization	CPP1617	
280			9292	0.208	175	120	D002, F001, F002, F005, U134	Stabilization	CPP1617	
281			9655	0.057	119	114	D002, D006-D011, D040, F001	Stabilization	CPP1617	
282	2963	Legacy Waste TAN 607 TCLP Residues	16372K	0.019	12	4.4	D007	Stabilization	CPP1617	
283	ID-TEC-307	Acidic Analysis residues with CPP and all F-listed codes (Inherable)	16378K	0.019	16	10	D002, D004-D010, F001-F005, U134	Stabilization	CPP1617	
284	2987	Radioactive non-corrosive liquid with F001	12558	0.019	22	17	F001	Stabilization	CPP1617	
285	ID-TEC-113	Turco Descaler @ NMCF CPP-659 Sample/Residue waste from VERC Burn 084 Ceramic CD Sample Analysis	22601K	0.114	73	34.5	D002	Stabilization	WWSB	
286			22633K	0.019	9.5	1.5	D002, D006	Lab Pack Thermal	MWSF	
287			INTC00029	0.019	37	34	D002, D009, F001, F002, F005, U134	Stabilization	WWSB	
288			INTC00241	0.019	29	26	D002, D009, F001, F002, F005, U134	Stabilization	WWSB	
289	1892N	Caustic, Radioactive, Liquid Wastes with CPP Listed Waste Codes	INTC990030	0.076	77	28.5	F002, F005, U134	Stabilization	WWSB	
290			INTC990054	0.076	65	18.5	D002, D009, F001, F002, F005, U134	Stabilization	WWSB	
291			INTC990147	0.076	49	4	D002, D009, F001, F002, F005, U134	Stabilization	WWSB	

	A	B	C	D	E	F	G	H	I	J	K
1	STP ID #	Material Profile	Waste Description	BarCode	Volume n3	Gross weight lb	Net weight lb	EPA Codes	Treatment Path	Storage Facility	Comments
ID-TEC-719	3263	INTEC Listed Acidic Waste Mixed with INTEC Red Organic Unknown Material	21716KN	0.019	10.5	0.22		U031, U032, U037, U044, U048, U052, U055, U056, U057, U069, U070, U071, U072, U079, U080, U081, U083, U084, U02, U03, U108, U12, U113, U116, U18, U120, U122, U123, U125, U127, U128, U131, U133, U134, U135, U138, U140, U144, U145, U147, U151, U154, U159, U181, U162, U165, U168, U170, U171, U181, U188, U190, U191, U196, U201, U204, U207, U208, U210,	Stabilization	PER613	
292	1014	CORROSIVE/COMBUSTIBLE LIQUID WITH CADMIUM LIQUID SCINTILLATION COCKTAIL & SOLVENT EXTRACTION WASTE	INEL707	0.208	150	9.17		D002, D006, D008, D035	Thermal	PER613	
293	ID-TRA-127	Laboratory residue-Excluded from Lab Pack Alternative Treatment standard (non-incinerable)	INEL2738	0.076	50	15		D001, D008, D022, D035	Thermal	WWSB	
294	ID-TRA-128	TRA000072	0.03	21	9		D006, D008, D039, D040, F001, F002, F003, F005, F007	Segregate, Stabilize liquid, macroencapsulate solid	MWSF	15% Liquid	
295	2298N R1	TRA000040	0.114	98	63		D002, D006, D007, D009, F007	Stabilization	WWSB		
296		14909K	0.019	33	27		D009, F001, F002, F003, F005, F008, P104, P105, P106		MWSF	25% Liquid	
297		15083K	0.019	10	1,3				MWSF		
298		15084K	0.208	180	120				MWSF		
299	ID-TRA-157	TRA Warm Waste Pond and Retention Basin Soil/Water/Debris (CERCLA)	17081K	0.208	120	60	P119, U019, U044, U080, U122, U123,	Stabilization	MWSF		
300		17084K	0.208	180	102				MWSF		
301		17085K	0.208	254	139				MWSF		
302				154	94				MWSF		
303	ID-TRA-526	Inductively Coupled Argon Plasma Spectrometer (ICAP) Aqueous Liquid Subject to LDR for UH-CI lead	9976	0.076	111	96	none assigned	Stabilization	MWSF		
304	1924	Corrosive Potassium Chloride Analytical Liquid	16686K	0.114	79.5	18	D002, D007	Stabilization	MWSF		

all raw materials and the DOE-OR diagonal contract with Envirocare of Utah Inc. (\$37,437,031).

**Perma-Fix Environmental Services, Inc. (Perma-Fix)
Facilities Qualified to Treat INEEL Liquid MLLW**

Under Blanket Master Contract (BMC) No. 7132

Treatment Facilities	Approved Services
Diversified Scientific Services, Inc. (DSSI) 657 Gallaher Road Kingston, TN 37763	Commercial radioactive mixed waste processing
Materials and Energy Corporation 109 Jefferson Avenue Oak Ridge, TN 37830	Commercial shipment, treatment, and disposal of low-level mixed waste in accordance with current permits held for the State of Tennessee
Perma-Fix Environmental Services 1940 NW 67 th Place Northwest Industrial Park Gainesville, Florida 32653	Treatment, Storage, and Disposal of Hazardous and Mixed Waste in accordance with Perma-Fix Environmental Services Permits and State of Florida License

QUALITY CLAUSES APPLICABLE TO BLANKET MASTER CONTRACT NO. 7132

April 11, 2002

1. Clause No. 111 - Price-Anderson Amendments Act (PAAA) Regulatory Liability: The item(s) or service(s) required by this BMC is related to nuclear or radiological safety, and is therefore subject to the Price-Anderson Amendments Act-1988 (PAAA) and federal regulations 10 CFR 820, 10 CFR 830 Subpart A, and/or 10 CFR 835. Failure to implement and comply with the requirements of this BMC or failure to provide factual information with regard to the quality of the product(s) or service(s) rendered, could result in enforcement action by the Department of Energy (DOE) Office of Price Anderson Enforcement. Enforcement can result in civil penalties and/or criminal prosecution.
2. Clause No. 121 - Standard Requirements Flow-Down: The Supplier shall incorporate all applicable BMC requirements into all Supplier-issued procurement documents. Flow-down of BMC requirements shall be verbatim, i.e., without change or modification. Lower-tier subcontracting, requires flow-down of all applicable requirements to each supplier, at any tier. Subcontracting restrictions are defined by the General Provisions.
3. Clause No. 241 - ASME NQA-1-1997: The Supplier shall implement and maintain a quality system in accordance with the applicable elements ASME-NQA-1-1997, Quality Assurance Requirements for Nuclear Facility Applications, as defined by the Contractor, Form 414.12B, ASME NQA-1 Applicability Matrix. See exception below.
4. Clause No. 434 - Certificate of Disposal or Destruction: The Supplier shall certify that the disposal/destruction of each waste stream is manifested to the Supplier's treatment, storage, and disposal facility (TSDF) or to any alternative source within 30 days of disposal/destruction. The certificate shall include:
 - 4.1. Manifest No.;
 - 4.2. Applicable Disposal Facility Waste Acceptance Approval No.;
 - 4.3. Applicable EPA Waste Code(s) ;
 - 4.4. Waste Stream Weight and Volume;
 - 4.5. Disposal Facility Name, Owner and Address; and
 - 4.6. Signature of Supplier's certifying authority, to include position title and date.
5. Clause No. 521 - Right of Access: In accordance with the General Provisions, the Contractor retains the right to audit, assess, inspect, witness, or test any and all work and/or products supplied under the terms of this BMC. Right of access to any and all Supplier or lower-tier Supplier facilities or work locations shall be afforded to the authorized Contractor representative at all reasonable times.
6. Clause No. 832 - Special Packaging/Shipping/Rigging: The supplier shall prepare and submit a packaging, shipping, and rigging procedure as required by this BMC. The procedure shall contain the following:
 - 6.1. Measures taken to prevent damage in transit;
 - 6.2. Detailed description of the design of the container;
 - 6.3. Overall dimensions of container and approximate loaded weight;
 - 6.4. Recommended method for off-loading (e.g., fork lift);
 - 6.5. Special off-loading devices (e.g., special slings);
 - 6.6. Special instructions to assure proper packaging for storage;
 - 6.7. Special instructions for marking, if applicable; and
 - 6.8. Special transport requirements, if applicable (e.g., Air Ride Van).

Exception to Quality Clause No. 241:

ASME NQA-1, 1997 edition is hereby replaced with ASME NQA-1, 1994 edition.

Applicable elements from the 1994 edition are: BR 1, 2, 5, 6, 7, 11, 12, 13, 15, 16, 17, and 18.