

Final
Request for Proposal – Idaho National Laboratory
May, 2004

PART III SECTION J, ATTACHMENT P

**MANAGEMENT OF SPECIAL NUCLEAR MATERIAL,
SPENT NUCLEAR FUEL,
RADIOACTIVE WASTE, AND VOLUNTARY CONSENT ORDER**

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**Management of Special Nuclear Material,
Spent Nuclear Fuel, Radioactive Waste, and Voluntary Consent Order**

Special Nuclear Material (SNM)

The INL Contractor is responsible for the safe and effective management of all NE-owned SNM presently located at the Test Reactor Area and ANL-W facilities. These materials shall be managed in accordance with the governing DOE Orders and consistent with DOE policy. Management of SNM shall be cost effective.

The INL Contractor shall cooperate with the ICP Contractor on SNM management efforts.

Spent Nuclear Fuel (SNF)

The INL Contractor shall be responsible for the safe and effective management and disposition planning for the NE-owned SNF. Through FY 2010, the INL Contractor shall be responsible for the transfer of SNF from the ATR to INTEC. During this period, the INL Contractor shall be responsible for delivering a loaded cask to the INTEC gate. The INL Contractor must develop capacity to manage ATR SNF through final disposition beyond FY 2010. This includes having any new interim storage capability on-line for the ATR spent fuel, as well as a path for final disposition (e.g., repository or reprocessing). Any new SNF interim storage or handling capacity developed by the INL Contractor shall be designed and located consistent with the future nuclear mission of the INL.

The INL Contractor shall cooperate with the ICP Contractor on SNF management efforts.

Radioactive Waste

The existing low-level waste (LLW) disposal capability at the Radioactive Waste Management Complex will be available to the INL Contractor through FY 2008 for contact-handled LLW, and FY 2009 for remote-handled LLW. The INL Contractor shall be responsible for delivering the LLW to the RWMC gate, where the ICP Contractor will take custody of the transport vehicle and shipment for disposal.

The INL Contractor shall attain an alternate disposal capacity (off-site) and have this disposal capacity on-line by October 1, 2008 for contact-handled LLW, and by October 1, 2009 for remote-handled LLW. The new disposal capacity shall include any required supporting transportation system needed to accommodate both INL and, if necessary, other tenant (e.g., NRF) remote-handled LLW waste.

The INL Contractor shall cooperate with the ICP Contractor on radioactive waste management efforts.

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Voluntary Consent Order

The INL Contractor is responsible for the following VCO items. The INL Contractor shall coordinate with the ICP Contractor on VCO reporting, etc., to the state of Idaho.

**VCO ISSUE - SITE-TANK-005 VCO Actions Required After January 31, 2005
NE-Funded Activities**

FACILITY	AREA	BLDG #	TANK #	TANK DESCRIPTION	Next VCO Action
TRA-004^a	TRA Hot Waste Management System				
TRA	MTR	TRA-605	TRA-605-B	HOT WASTE STORAGE TANK	RCRA Closure
		TRA-613	713-B	HOT WASTE STORAGE TANK	RCRA Closure
		TRA-613	TRA-713-C	HOT WASTE STORAGE TANK	RCRA Closure
		TRA-613	TRA-713-D	HOT WASTE STORAGE TANK	RCRA Closure
		TRA-613	TRA-613-A	PUMP VAULT SUMP	No Further VCO Actions
		TRA-613	613B	PUMP VAULT SUMP	No Further VCO Actions
TRA-009^a	TRA Fluorinel Dissolution Process Mockup and Gamma Facilities Waste System				
TRA	MTR	TRA-641		AIR TANK	No Further VCO Actions
		TRA-641		CATCH TANK	RCRA Closure
		TRA-641		MOCK UP TANK, PLEXIGLASS	RCRA Closure
		TRA-641		CANAL SUMP	RCRA Closure
		TRA-641		RECEIVER TANK	RCRA Closure
TRA-011	TRA Retention Basin System				
TRA	MTR	TRA-612		INACTIVE ANCILLARY PIPING AND EQUIPMENT	RCRA Closure & NSIF ^b
TRA-019	TRA Gamma Facility Off-Gas Scrubber System				
TRA	MTR	TRA-641		SCRUB TANK	No Further VCO Actions
		TRA-641		DEMISTER TANK	No Further VCO Actions
		TRA-641		QUENCH TANK	No Further VCO Actions

a. Action has not been approved by IDEQ. Conclusions presented in this table are based on the activities completed as of March 4, 2004, by the VCO/DD&D Service Team. For some of these tanks, the "Next VCO Action" will change as milestone completion documentation is completed and approved by IDEQ.

b. Piping associated with tank system TRA-011 was determined to be RCRA hazardous; the retention basin itself and associated sumps were characterized as nonhazardous.