



0022461

9205223B
Action as noted.

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

July 21, 1992

Mr. Ron Izatt
U.S. Department of Energy
P.O. Box 550
Richland, WA 99352



Dear Mr. Izatt:

Re: Double-Shell Tank System Monitoring Equipment Information
(M-20-16)

Reference: Letter from M. Lerchen, Ecology to J. Newson, dated January 28th, 1992, titled "Double-Shell Tank System Monitoring Equipment".

In the above referenced letter Ecology requested that the Department of Energy (Energy) collect and submit information on the monitoring systems at the Double-shell Tanks (DSTs). This information is required to support the DST Part B Dangerous Waste Permit Application review. Since this letter was sent, it has become increasingly apparent that there are significant deficiencies at the DSTs in regard to monitoring equipment, and Ecology will continue to scrutinize these systems.

To date the only records submitted to Ecology on this matter have been the records collected during the Tank 241-SY-101 inspection. In the DST Unit Managers meetings, Energy's Unit Manager stated that the records were so extensive that it may be in the best interest of both parties for Ecology to focus only on the records for SY-101, since it was expected to be representative of the monitoring equipment across the DSTs. It also became apparent that Energy was under the impression that there had been tacit agreement from Ecology, that this approach was sufficient in the past.

With this letter Ecology is clarifying that the records requested in the referenced letter are expected to be submitted in their entirety. Ecology must have this information in order to adequately review the DST monitoring systems. Energy should begin gathering these records and submit them to Ecology by August 31, 1992. It should be noted that

92125040072

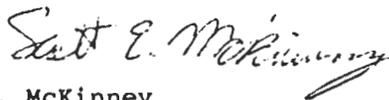
18942

Ron Izatt
Page 2.
July 21, 1992

RECEIVED
JUL 20 1992
DOE/RL

nearly six months have gone by since the original request was received by Energy. If you have any questions on this matter please contact me at (206)459-6725.

Sincerely,



Scott E. McKinney
Double-Shell Tanks Unit Manager
Nuclear and Mixed Waste Management Program

SM:jw
Enclosure

cc: Cliff Clark, DOE-RL
Dan Duncan, EPA
Dave Jansen, Ecology
Dave Nylander, Ecology
Tim Veneziano, WHC
Steve Wisness, DOE-RL

92120140003



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000

January 28, 1992

Mr. Johnnie Newson
U.S. Department of Energy
P.O. Box 550
Richland, Washington 99352

Re: Double-Shell Tank System Monitoring Equipment

Dear Mr. Newson:

In support of the review of the *Double-Shell Tank System Part B Permit Application*, Ecology is reviewing existing information on tank monitoring equipment. To support this review, please submit information detailing the all monitoring equipment in the double-shell tank system which has activated alarms, malfunctioned, or has given off-normal readings over the past year (January 28, 1991, through January 27, 1992).

Monitoring equipment includes, but is not limited to, all devices intended to detect the following:

- Leaks from the primary tank to the annulus between the primary and secondary tank,
- Leaks from the secondary tank,
- Leaks from the process piping,
- Airborne contamination,
- Tank liquid level,
- Sludge liquid level,
- Tank temperature,
- Tank pressure,

The double-shell tank system includes all primary and secondary tanks, tank liners, liquid waste transfer system piping, jumpers, valves, diversion boxes, pumps, pump pits, catch tanks, monitoring equipment, ventilation systems, cooling system piping, and any other ancillary equipment which may convey liquid, gaseous, or other solid wastes to, from, or within the double-shell tank farms and any additional equipment as described in the *Double-Shell Tank System Dangerous Waste Permit Application*.

92125140004

18917

J. Newson
January 28, 1992

The following information must be provided for each off-normal occurrence, computer automated surveillance system alarm activation, or monitoring equipment malfunction:

- Copies of off-normal occurrence reports and any other safety or maintenance reports,
- Type of monitoring equipment and what it is intended to detect,
- Location of monitoring equipment,
- Date(s) of off-normal event or malfunction,
- Activities necessary to correct the condition, and
- Date(s) the condition was or will be corrected.

Please provide the requested information no later than March 12, 1992. If you have any questions, please contact me at (206)438-3089.

Sincerely,



Megan Lerchen
DST Unit Manager

cc: Dan Duncan - EPA, Seattle
Cliff Clark - DOE-RL
Steve Wisness - DOE-RL
Tim Veneziano - Administrative Record
Dave Nylander - Ecology, Kennewick

9212564005

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author: S. E. McKinney, Ecology Addressee: R. D. Izatt, RL Correspondence No.: Incoming: 9205223B

Subject: DOUBLE-SHELL TANK SYSTEM MONITORING EQUIPMENT INFORMATION (M-20-16)

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		G. T. Berlin	R1-51	X
		S. L. Bradley		
		C. J. Geier	B2-19	X
		D. G. Hamrick	R1-51	X
		H. D. Harmon, Level 1		
		J. R. Kasper	R2-50	X
		R. E. Lerch		X
		D. W. Lindsey	B2-35	X
		H. E. McGuire		
		P. J. Mackey	B3-15	
		M. A. Payne, Assignee		X
		J. D. Thomson	R1-30	X
		T. B. Veneziano	B2-35	X
		EDMC	H4-22	X



9 2 1 2 5 1 4 0 0 0 6