

MEMORANDUM

TO: MEMO TO FILE
 FROM: Eliza Frank *EF*
 DATE: 1/04/02
 SUBJECT: Record of communication regarding a phone conversations between Eliza Frank, Hazardous Waste Bureau, and Don Hickmott, Los Alamos National Laboratory

TA-16

Eliza Frank of HWB contacted Don Hickmott of LANL regarding a reference cited in the RFI Report for Potential Release Sites at TA-16, PRSs 16-003(k) and 16-021(c), dated September 1996, LA-UR-96-3191. On page 23, LANL states that "In 1994 roughly 2.5 million gal. of HE wastewater were discharged at TA-16-260 under National Pollution Discharge Elimination System (NPDES) Permit EPA 05A056 (No author 1994, 15-16-629)." The reference **No author 1994, 15-16-629** refers to No Author 1994. "HE Outfall Plan Constituent Data, "Los Alamos National Laboratory Report, Los Alamos, New Mexico.

During our phone conversation today, Don explained that during the RFI LANL needed to calculate flow volumes from the 260 outfall (16-021(c)). The only actual number LANL has is a flow measurement taken in 1994 for an entirely different purpose than the RFI. (In the early 1990s when Operations at LANL wanted to cease discharging through some outfalls, the TA-16-260 outfall was apparently gauged in order to calculate the volume of discharge and estimate cost savings for no longer using the NPDES outfall, versus treating the discharge at a nearby facility. The precise location of the gauge is not stated. In 1994, the discharge volume for TA-16-260 was 2,525,600 gallons per year. LANL then estimated the volume of discharges over time.) During the peak of operations at TA-16-260 during the 1950s and 1960s, it is presumed that as many as several million gallons per year were discharged. LANL assumed that the volume reported in 1994 was relatively low because operations during the 1950s and 1960s were significantly higher (three shifts per day for seven days each week).

HWB obtained a copy of this reference from Don via facsimile today. It is attached to this memo.

LANL also has the NPDES permit applications prepared in the 1970s, however these estimates are likely to be too generic.



Fax Cover Sheet

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To: Eliza Frank

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From: Don Hickmott

Phone: 665-1116

Fax:

Subject: NPDES #s

Number of Pages 2 **(Including Cover Sheet)**

Message:

EPA	FACILITIES	ROOF	CURRENT	CURRENT	PROCESS GPY FLOW			
OUTFALL	FEEDING	RAIN DRAINS	GPV	GPY	TOTAL GPY	UPON COMP.		
NO.	OUTFALL	CONNECTED	FLOW	PROCESS	TO	OF REDUCTION	SUMP	
		TO OUTFALL?	FROM RAIN	FLOW	OUTFALL	PROPOSALS	STATUS	COMMENTS
05A-050	TA-16-388***	YES	45,000	0	45,000	0	ELIMINATE	100% RAIN DRAIN OUTFALL
05A-053	TA-16-410	YES	103,000	21,000	124,000	1000	PLUG	100% RAIN DRAIN OUTFALL
05A-054	TA-16-340	NO	0	3,568,800	3,568,800	18,900	PLUG	TRUCK BUMPS EVERY 2 MONTHS
05A-056	TA-16-260	NO	0	2,525,600	2,525,600	36,800	PLUG	TRUCK 7 BUMPS MONTHLY, 6 ANNUALLY
05A-057	TA-16-265***	NO	0	0	0	0	ELIMINATE	100% RAIN DRAIN OUTFALL
05A-058	TA-16-300, 301, 303 303, 304, 305, 306, 307	YES	227,700	5,093,000	5,320,700	26,400	PLUG	TRUCK BUMPS SEMI-ANNUALLY, 100% RAIN DRAIN OUTFALL
05A-061	TA-16-280	YES	65,851	0	65,851	1000	PLUG	100% RAIN DRAIN OUTFALL
05A-062	TA-16-342	NO	0	4,600	4,600	900	PLUG	TRUCK SUMP SEMI-ANNUALLY
05A-063	TA-16-400	NO	0	4,600	4,600	4,600	PLUG	TRUCK SUMP QUARTERLY
05A-066	TA-9-21,28,29,32,33,40	YES	741,464	3,617,700	4,359,164	16,800	PLUG	TRUCK BUMPS MONTHLY, 100% RAIN DRAIN OUTFALL
05A-067	TA-9-34, 35, 37, 38, 42 43, 45, 46	YES	327,624	4,600	332,224	4,600	PLUG	TRUCK BUMPS ANNUALLY, 100% RAIN DRAIN OUTFALL
05A-068	TA-9-48	YES	62,334	1,100,000	1,162,334	3,400	PLUG	TRUCK SUMP SEMI-ANNUALLY, 100% RAIN DRAIN OUTFALL
05A-069	TA-11-50	NO	0	7,000	7,000	2,100	PLUG	TRUCK SUMP 6 TIMES/YEAR
05A-071	TA-16-430	NO	0	36,000	36,000	7,500	PLUG	TRUCK BUMPS QUARTERLY,
05A-072	TA-16-460*	NO	0	3,859,000	3,859,000	0	PLUG	FACILITY WILL CLOSE IN 1994, ELIMINATE OUTFALL
05A-096	TA-11-51	NO	0	7,000	7,000	2,100	PLUG	TRUCK SUMP 6 TIMES/YEAR
05A-097	TA-11-52	NO	0	7,000	7,000	2,100	PLUG	TRUCK SUMP 6 TIMES/YEAR
05A-149	TA-16-267***	NO	0	0	0	0	ELIMINATE	ELIMINATE OUTFALL
05A-154	TA-40-41	NO	0	2,300	2,300	2,300	NO SUMP	ELIMINATE OUTFALL / INSTALL STORAGE TANK
05A-159	TA-16-360***	NO	0	0	0	0	ELIMINATE	ELIMINATE OUTFALL
		TOTAL (GPY)	1,572,973	19,858,200	21,431,173			
130,500 GPY would be the amount treated at the new treatment facility and going to outfall 05A-055 (located at TA-18 Burning Ground)								
Quantities of wastewater shown that are to be trucked from sumps are maximum potential amounts. Actual amounts will be approximately 50% of quantities shown. Maximum values are to be used as design quantities for waste water requiring treatment.								
Rain runoff from roof drains is based upon 20 " annual rainfall. Max GPD includes roof rain runoff if roof drains are connected to outfall.								
HE constituents and COD for the 130,500 GPY will be 20 ppm or 20mg/L								
* Facility scheduled for closure in calendar year 1994. Eliminate 05A outfall or designate as rain drain only.								
*** Sumps are plugged. Eliminate 05A outfall or designate as rain drain only.								

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