

2501 Walnut
Amarillo, Texas 79107
September 23, 1971

Mr. A. B. Fly, President
Hydro-Jet Services, Inc.
P. O. Box 808
Amarillo, Texas 79105

Dear Mr. Fly:

In accordance with our agreement, the undersigned accompanied Mr. Darriss Ekker and Mr. Jerry Fly to the Lucky Strike 9 Mill Site, Garfield County, Utah on August 27, 1971, for the purpose of making a more detailed radiation survey and to correct the discrepancies outlined in Mr. Lawrence D. Low's letter of non-compliance dated August 6, 1971.

i. INSTRUMENTATION USED FOR SURVEYS:

- a. A portable alpha counter (Eberline PAC 1 SAG using Ruggedized Alpha Scintillation Probe Model RASP-1) and a portable beta-gamma counter (Eberline Model E-500 B) were used for initial field surveys to determine areas where soil and vegetation samples should be taken.
- b. Final analysis of the soil, vegetation and liquid samples were determined by use of Alpha-Beta-Gamma Proportional Counter (Model PC-3A made by Nuclear Measurement Corporation) and a Gamma Spectrometer (Model 4410 by Nuclear Data Corporation).

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PDR ADOCK 04007869
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2. SURVEY RESULTS:

<u>SAMPLE</u>	<u>LOCATION</u> <u>(Reference Drawing)</u>	<u>DATE</u>	<u>READING ABOVE</u> <u>BACKGROUND</u>	<u>SAMPLE</u> <u>TAKEN BY</u>
SS-1	(1)	8-27-71	20 cpm	B.D. Lemons
SS-2	(2)	8-27-71	17 cpm	"
SS-4	(4)	8-27-71	26 cpm	"
SS-5	(5)	8-27-71	22 cpm	"
SS-6	(6)	8-27-71	36 cpm	"
SS-7	(7)	8-27-71	24 cpm	"
SS-8	(8)	8-27-71	24 cpm	"
SS-9	(9)	8-27-71	26 cpm	"
SS-12	(12)	8-27-71	21 cpm	"
SS-14	(14)	8-27-71	18 cpm	"
SS-15	(15)	8-27-71	18 cpm	"
VS-8	(8)	8-27-71	0	"
VS-10	(10)	8-27-71	0	"
VS-14	(14)	8-27-71	0	"
RS-1	Hobbs Trailer	8-28-71	97 cpm	"
* RS-2	Tank on Mack Truck	8-28-71	96 mg ²³⁸ U/gm of Soil	"
LS-1	Water Well	7-2-71	9 cpm	G. W. Fly
LS-2	Water Well	8-17-71	44 cpm	"
LS-3	Pregnant Liquor Tank	8-17-71	1849 cpm	"
LS-4	Brine Solution Tank	8-17-71	1151 cpm	"

NOTE:

SS denotes Soil Sample

VS denotes Vegetation Sample

LS denotes Liquid Sample

RS denotes Residue Sample taken of equipment moved from mill site to Hanksville, Utah.

- * Due to high initial reading, a quantitative and qualitative analysis of the residue found in the tank of the Mack Truck was taken. Mr. J. W. Flora, Division of Compliance, U. S. Atomic Energy Commission was notified of these findings by the undersigned via a telephone conversation on August 31, 1971. Mr. Flora stated that this telephone conversation would suffice as official notification of possible release of source material into unrestricted areas.

3. OBSERVATIONS AT MILL SITE:

Upon arrival at the mill site the following was observed:

- a. A Mr. Gary Carlin and Mr. Butch Bullard were at the mill site and in the process of moving a 16,800 gallon rubber lined steel tank. In an attempt to move this tank, they had severely damaged the tank and spilled its contents. It was determined that the tank had contained fresh water and no radiation hazard was present. At this time Messrs. Carlin and Bullard stated that they were only carrying out orders from Mr. V. W. McKnab.
- b. The padlocked entrance gate had been cut.
- c. The chemical laboratory had been ransacked.
- d. All transfer and booster pumps had been stripped from the transfer lines.
- e. Most of the movable equipment had been removed from the mill site.

4. ACTION TAKEN AT THE MILL SITE:

- a. Upon arrival at the mill site and observing the items listed above, I stated to Messrs. Carlin and Bullard, with Messrs. Ekker and Fly as witnesses, that they would be held responsible if any of the contaminated liquid was released from any of the existing tanks and that if for any reason there was a release of source materials, they were to notify me and/or the U. S. Atomic Energy Commission, Division of Compliance, Denver, Colo. at once.
- b. Mr. Jerry Fly and I then proceeded to take radiation surveys as planned.
- c. Due to the action taken by Messrs. Carlin and Bullard, it seemed fruitless to post AEC-3, Notice to Employees and place further additional copies of 10 CFR Part 20 at the mill site. Therefore, upon completion of our surveys, we proceeded back to Hanksville.

5. OBSERVATIONS AT LUCKY STRIKE'S HANKSVILLE, UTAH FACILITY:

On August 28, 1971, Mr. Jerry Fly, Bob Ewen, and I went to the Lucky Strike's Hanksville, Utah Facility (namely behind Butch Bullard's Service Station) for the purpose of taking a radiation survey of the equipment that had been removed from the mill site. Mr. Bullard stated that he had been given specific instructions to let no one near the equipment for any reason.

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Jerry Fly, Bob Ewen, and I then proceeded back to the Poor Boy Cafe to obtain permission from Mr. David L. McKnab to take a radiation survey of the equipment mentioned above.

Mr. McKnab at first refused to grant permission, but then was advised by Mr. Richard T. Sonberg by telephone to allow the survey to be taken. At this time, Mr. McKnab accompanied Jerry Fly, Bob Ewen, and me to the Lucky Strike Hanksville, Utah facility and witnessed the survey.

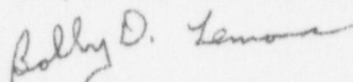
After the survey was taken, Mr. McKnab stated, in front of witnesses, that he was satisfied that nothing was misused or damaged during the survey.

Upon completion of the survey, Jerry Fly, Bob Ewen, and I proceeded back to Amarillo, Texas.

6. RECOMMENDATION:

The above survey shows that there is no significant hazard existing at the Lucky Strike Mill Site. The only potential hazard exists from the residue located in the tank of the Mack Truck; however, apparently, this is beyond our control at the present time. I recommend that you request the U. S. Atomic Energy Commission, Division of Compliance and Division of Materials Licensing to permit you to place the mill site on a standby basis until litigation between Hydro-Jet Services, Inc. and Lucky Strike Mines Associates can be resolved.

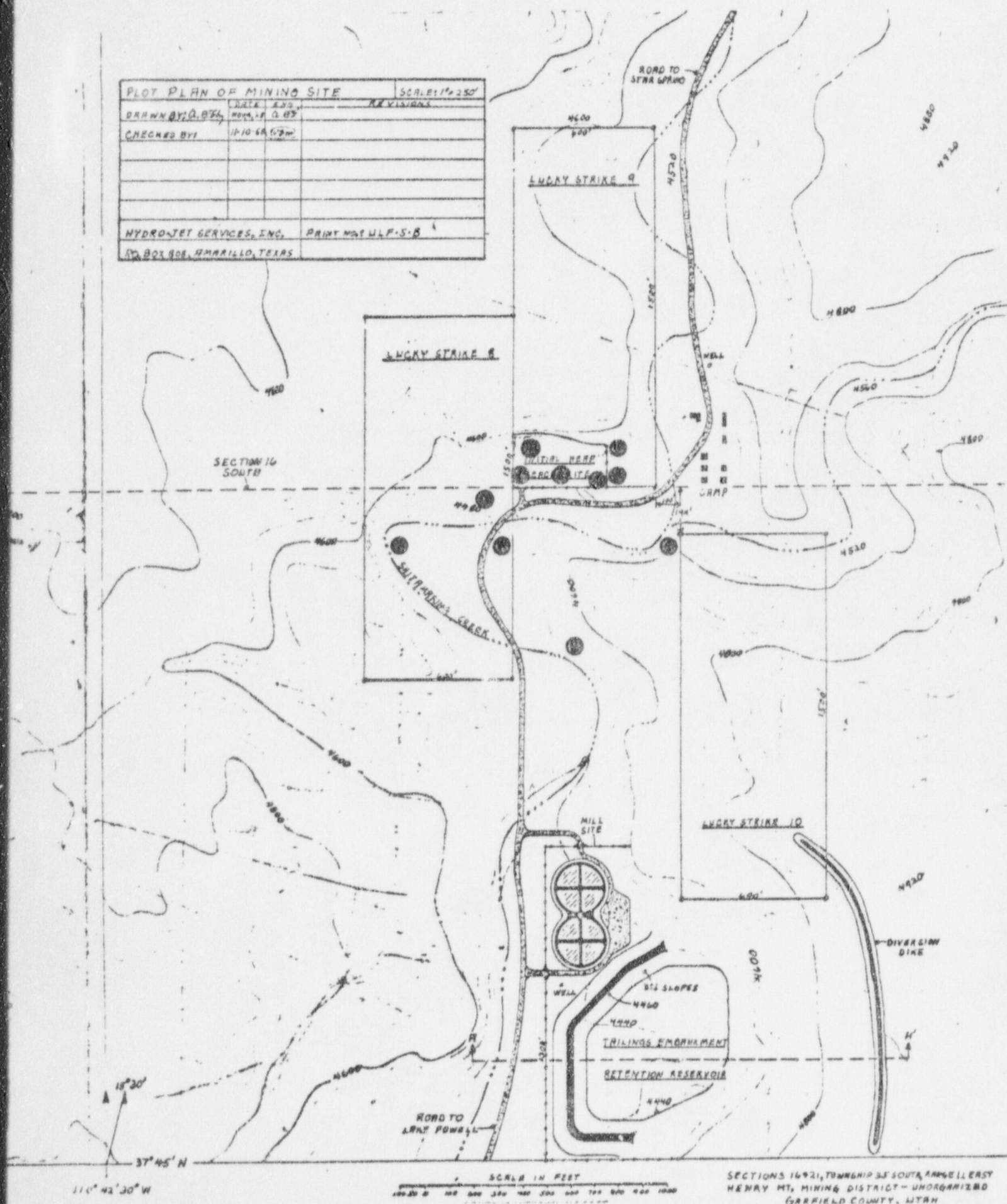
Very truly yours,



Bobby D. Lemons
Radiation Officer

BDL:cf

PLOT PLAN OF MINING SITE			SCALE: 1"=250'
DRAWN BY: D. B. T.	DATE: 8-22-68	REVISIONS:	
CHECKED BY: J. H. G.	DATE: 11-10-68		
HYDROJET SERVICES, INC.			PRINT NO. 1415-5-B
P.O. BOX 808, AMARILLO, TEXAS			



SECTIONS 16 & 21, TOWNSHIP 35 SOUTH, RANGE 11 EAST
HENRY MT. MINING DISTRICT - UNORGANIZED
GARFIELD COUNTY, UTAH