



PDR 50-201

**Nuclear Fuel Services, Inc.** P.O. Box 124 • West Valley, New York 14171

A Subsidiary of Getty Oil Company

(716) 942-323

June 11, 1979

9-79-31



Chief, Waste Source Monitoring Section  
New York State Department of  
Environmental Conservation  
Room 300  
50 Wolf Road  
Albany, New York 12233

Dear Sir:

In accordance with the provisions of NFS' SPDES Permit #NY0000973, the results and flow measurements for the reporting period 5/1/79 through 5/31/79 are enclosed for your information. Also included are radioactivity results for March 001 and 003, April 003, and 1st half 1979 004 discharges. On April 4 and 5, 1979, 57,000 gallons of surface run-off water was transferred from outfall 003 for treatment at the LLWT facility. This quantity, as effluent value 0200056050301, was inadvertently omitted from the April SPDES Discharge Monitoring Report.

If you have any questions, please contact NFS at your convenience.

Very truly yours,

NUCLEAR FUEL SERVICES, INC.

for W. A. Oldham  
General Manager

SRG/aa  
Attach.

Dist.: Copy 2 - NYSDEC/Buffalo, NY  
Copy 3 - USEPA Region II/NY,NY  
Copy 4 - Accountability/SPDES File  
cc: Cattaraugus Co. Health Dept.  
USNRC/Washington, DC

**FREE EXEMPT**

12210

647 250 7908140 459

647 251

UPDATED RADIOACTIVITY RESULTS

| <u>Measurement</u>       | <u>Units</u> | <u>001-March 1979</u>           | <u>003-March 1979</u>          | <u>003-April 1979</u>          | <u>004-1st Half, 1979</u>       |
|--------------------------|--------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|
| Gross Alpha              | μCi/ml       | <7.20 (10 <sup>-9</sup> )       | <9.31 (10 <sup>-9</sup> )      | 2.74 ± .44 (10 <sup>-7</sup> ) | <1.24 (10 <sup>-9</sup> )       |
| Gross Beta               | μCi/ml       | 1.38 ± 1.16 (10 <sup>-6</sup> ) | 3.99 ± .25 (10 <sup>-5</sup> ) | 3.43 ± .24 (10 <sup>-5</sup> ) | 6.29 ± 2.42 (10 <sup>-8</sup> ) |
| Tritium                  | μCi/ml       | 1.71 ± .03 (10 <sup>-4</sup> )  | 1.86 ± .04 (10 <sup>-3</sup> ) | 7.80 ± .15 (10 <sup>-4</sup> ) | 1.08 ± .20 (10 <sup>-6</sup> )  |
| Strontium-90             | μCi/ml       | 1.00 ± .14 (10 <sup>-7</sup> )  | 2.16 ± .22 (10 <sup>-5</sup> ) | 1.59 ± .16 (10 <sup>-5</sup> ) | <2.00 (10 <sup>-8</sup> )       |
| Iodine-129               | μCi/ml       | 8.63 ± 3.38 (10 <sup>-9</sup> ) | 1.31 ± .31 (10 <sup>-8</sup> ) | <3.01 (10 <sup>-9</sup> )      | <2.91 (10 <sup>-9</sup> )       |
| Isotpic Gamma:<br>Cs-137 | μCi/ml       | 2.10 ± .82 (10 <sup>-7</sup> )  | None Detectable                | 3.50 ± .35 (10 <sup>-6</sup> ) | 2.08 (10 <sup>-7</sup> )        |

POOR ORIGINAL

91-15-4 (4/76)

|                             |                       |  |                |
|-----------------------------|-----------------------|--|----------------|
| REGION<br>9                 | COUNTY<br>CATTARAUGUS | DATE PRODUCED<br>05-2-79               | PAGE<br>1 of 2 |
| FACILITY I.D.<br>NY 0000973 |                       | REPORT PERIOD<br>05-1-79 THRU 05-31-79 |                |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
SPDES - DISCHARGE MONITORING REPORT

SEE THE REVERSE SIDE OF PART 4 FOR INSTRUCTIONS

| PARAMETER/UNITS             | OUT. FALL | MONITORING LOCATION             | REPORT SECTION |                           |         |         | SAMPLE CHARACTERISTICS |                    |
|-----------------------------|-----------|---------------------------------|----------------|---------------------------|---------|---------|------------------------|--------------------|
|                             |           |                                 | LIMIT          | MINIMUM                   | AVERAGE | MAXIMUM | TYPE                   | FREQUENCY          |
| FLOW RATE<br>MGD            | 001       | EFFLUENT VALUE<br>010015605011  | REPORTED VALUE | NO DISCHARGES THIS PERIOD |         |         |                        | INSTANT            |
| FLOW RATE<br>MGD            | 002       | EFFLUENT VALUE<br>0200056050311 | REPORTED VALUE | NO TRANSFERS THIS PERIOD  |         |         |                        | INSTANT            |
| SUSPENDED SOLIDS<br>MG/L    | 001       | EFFLUENT VALUE<br>030015401011  | REPORTED VALUE | NO DISCHARGES THIS PERIOD |         |         |                        | 24 HR COMP MONTHLY |
| TEMPERATURE<br>DEG F        | 001       | EFFLUENT VALUE<br>040001003011  | REPORTED VALUE | NO DISCHARGES             |         |         |                        | MONTHLY            |
| TEMPERATURE<br>DEG C        | 002       | EFFLUENT VALUE<br>050001004001  | REPORTED VALUE | 13                        | 0       |         | GRAB                   | BI-WEEKLY          |
| PH<br>SU                    | 001       | EFFLUENT VALUE<br>060040012011  | REPORTED VALUE | NO DISCHARGES             |         |         |                        | DAILY              |
| PH<br>SU                    | 004       | EFFLUENT VALUE<br>0700400120401 | REPORTED VALUE | 6.1                       | 0       |         | GRAB                   | WEEKLY             |
| PH<br>SU                    | 005       | EFFLUENT VALUE<br>0800400120501 | REPORTED VALUE | 6.4                       | 0       |         | GRAB                   | MONTHLY            |
| PH<br>SU                    | 006       | EFFLUENT VALUE<br>0900400120601 | REPORTED VALUE | 6.5                       | 0       |         | GRAB                   | BI-WEEKLY          |
| AMMONIA, TOTAL (NH)<br>MG/L | 006       | EFFLUENT VALUE<br>1000310010001 | REPORTED VALUE | 0.50                      | 0       |         | GRAB                   | BI-WEEKLY          |

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

|   |   |
|---|---|
| TYPED NAME AND TITLE<br>J. P. Duckworth, Acting General Manager | <input checked="" type="checkbox"/> PERMITTEE<br><input type="checkbox"/> AGENT |
| SIGNATURE<br><i>J. P. Duckworth</i>                             | DATE<br>6-13-79   |

NUCLEAR FUEL SERVICES  
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WEST VALLEY NY 14171

TYPE PERMIT-02 DISCH CLASS-P FAC I.D.-NY000097  
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POOR ORIGINAL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 SPDES - DISCHARGE MONITORING REPORT



|                            |                       |   |                |
|----------------------------|-----------------------|---|----------------|
| REGION<br>9                | COUNTY<br>CATTARAUGUS | DATE PRODUCED<br>05-02-79               | PAGE<br>2 of 4 |
| FACILITY I.D.<br>NY0000973 |                       | REPORT PERIOD<br>05-01-79 THRU 05-31-79 |                |

SEE THE REVERSE SIDE OF PART 4 FOR INSTRUCTIONS

| PARAMETER/UNITS            | OUT FALL | MONITORING LOCATION             | REPORT SECTION |         |              |               | SAMPLE CHARACTERISTICS |            |           |
|----------------------------|----------|---------------------------------|----------------|---------|--------------|---------------|------------------------|------------|-----------|
|                            |          |                                 | LIMIT          | MINIMUM | AVERAGE      | MAXIMUM       | # EX.                  | TYPE       | FREQUENCY |
| NARIUM<br>MG/L             | 001      | EFFLUENT VALUE<br>1101007010101 | LIMIT          | *****   | *****        | 1.000         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |
| LEAD<br>MG/L               | 001      | EFFLUENT VAL<br>1201051010101   | LIMIT          | *****   | *****        | 0.050         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |
| MANGANESE-TOTAL<br>MG/L    | 001      | EFFLUENT VALUE<br>1301055010101 | LIMIT          | *****   | *****        | 1.000         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |
| SUSPENDED SOLIDS<br>MG/L   | 002      | EFFLUENT VALUE<br>1400154010201 | LIMIT          | *****   | 50.000       | 100.000       |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | 4.0          | 4.0           | 0                      |            |           |
| SUSPENDED SOLIDS<br>MG/L   | 004      | EFFLUENT VALUE<br>1500154010401 | LIMIT          | *****   | 30.000       | 45.000        |                        | 24 hr COMP | QUARTERLY |
|                            |          |                                 | REPORTED VALUE | *****   | NOT REQUIRED | THIS PERIOD   |                        |            |           |
| SUSPENDED SOLIDS<br>MG/L   | 005      | EFFLUENT VALUE<br>1600154010501 | LIMIT          | *****   | 50.000       | 100.000       |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | 24           | 24            | 0                      |            |           |
| BIO OXYGEN DEMAND-<br>MG/L | 004      | EFFLUENT VALUE<br>1700001010401 | LIMIT          | *****   | 30.000       | 45.000        |                        | 24 HR COMP | QUARTERLY |
|                            |          |                                 | REPORTED VALUE | *****   | NOT REQUIRED | THIS PERIOD   |                        |            |           |
| ZINC<br>MG/L               | 001      | EFFLUENT VALUE<br>1800006010101 | LIMIT          | *****   | *****        | 0.500         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |
| CHROME-TOTAL<br>MG/L       | 001      | EFFLUENT VALUE<br>1900007010101 | LIMIT          | *****   | *****        | 0.050         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |
| COPPER<br>MG/L             | 001      | EFFLUENT VALUE<br>2000009010101 | LIMIT          | *****   | *****        | 0.200         |                        | 24 HR COMP | MONTHLY   |
|                            |          |                                 | REPORTED VALUE | *****   | *****        | NO DISCHARGES |                        |            |           |

I hereby affirm under penalty of perjury that information provided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

TYPED NAME AND TITLE: J. F. Duckworth, Acting General Manager

SIGNATURE: *J. F. Duckworth*

DATE: 6-13-79

1 PERMITTEE  
 2 AGENT

NUCLEAR FUEL SERVICES  
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 WEST VALLEY NY 14171

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FOUR ORIGINAL

91-15-4 (4/76)

|                            |                       |   |              |
|----------------------------|-----------------------|---|--------------|
| REGION<br>9                | COUNTY<br>CATTARAUGUS | DATE PRODUCED<br>05-2-79                | PAGE<br>of 3 |
| FACILITY I.D.<br>NY0000973 |                       | REPORT PERIOD<br>05-11-79 THRU 05-31-79 |              |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
SPDES - DISCHARGE MONITORING REPORT

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| PARAMETER/UNITS          | OUT FALL | MONITORING LOCATION             | REPORT SECTION          |         |         |               | SAMPLE CHARACTERISTICS |           |           |
|--------------------------|----------|---------------------------------|-------------------------|---------|---------|---------------|------------------------|-----------|-----------|
|                          |          |                                 | LIMIT                   | MINIMUM | AVERAGE | MAXIMUM       | # EX.                  | TYPE      | FREQUENCY |
| NICKEL<br>MG/L           | 0.01     | EFFLUENT VALUE<br>21037100101 1 | LIMIT<br>*****          | *****   | *****   | 0.300         |                        | 24 Hr COM | DAILY     |
|                          |          |                                 | REPORTED VALUE<br>***** | *****   | *****   | NO DISCHARGES |                        |           |           |
| IRON-TOTAL<br>MG/L       | 0.06     | EFFLUENT VALUE<br>22859120106 1 | LIMIT<br>*****          | *****   | *****   | 1.000         |                        | 24 Hr     | BI-WEEKLY |
|                          |          |                                 | REPORTED VALUE<br>***** | *****   | *****   | <.04          | 0                      |           |           |
| SPTTLABLE SOLIDS<br>MG/L | 0.04     | EFFLUENT VALUE<br>23999031404 1 | LIMIT<br>*****          | *****   | *****   | 0.100         |                        | 6 Hr      | WEEKLY    |
|                          |          |                                 | REPORTED VALUE<br>***** | *****   | *****   | <.1           | 0                      |           |           |
| AMMONIA-FREE<br>MG/L     | 0.06     | EFFLUENT VALUE<br>24999240106 1 | LIMIT<br>*****          | *****   | *****   | 0.150         |                        | 6 Hr      | BI-WEEKLY |
|                          |          |                                 | REPORTED VALUE<br>***** | *****   | *****   | .0004         | 0                      |           |           |
|                          |          |                                 | LIMIT                   |         |         |               |                        |           |           |
|                          |          |                                 | REPORTED VALUE          |         |         |               |                        |           |           |
|                          |          |                                 | LIMIT                   |         |         |               |                        |           |           |
|                          |          |                                 | REPORTED VALUE          |         |         |               |                        |           |           |
|                          |          |                                 | LIMIT                   |         |         |               |                        |           |           |
|                          |          |                                 | REPORTED VALUE          |         |         |               |                        |           |           |
|                          |          |                                 | LIMIT                   |         |         |               |                        |           |           |
|                          |          |                                 | REPORTED VALUE          |         |         |               |                        |           |           |
|                          |          |                                 | LIMIT                   |         |         |               |                        |           |           |
|                          |          |                                 | REPORTED VALUE          |         |         |               |                        |           |           |

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|   |   |
|---|---|
| TYPED NAME AND TITLE<br>J. P. Duckworth, Jr.<br>General Manager | <input checked="" type="checkbox"/> 1 PERMITTEE<br><input type="checkbox"/> 2 AGENT |
| SIGNATURE<br><i>J. P. Duckworth, Jr.</i>                        | DATE<br>6-13-79   |

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