

November 1, 1979

Mr. Boyce H. Grier
Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

RE: Docket No. 50-220
LER 79-024T/0

Dear Mr. Grier:

In accordance with Nine Mile Point Nuclear Station Unit #1 Environmental Technical Specifications, we hereby submit the following Licensee Event Report:

LER 79-024 which is being submitted in accordance with Section 5.6.2b, a confirmed measured level of radioactivity in any environmental medium exceeds ten times the control value.

This report was completed in the format designated in NUREG-0161, dated July 1977.

Very truly yours,



Thomas E. Lempges
General Superintendent
Nuclear Generation
for - R.R. Schneider
Vice President -
Electric Production

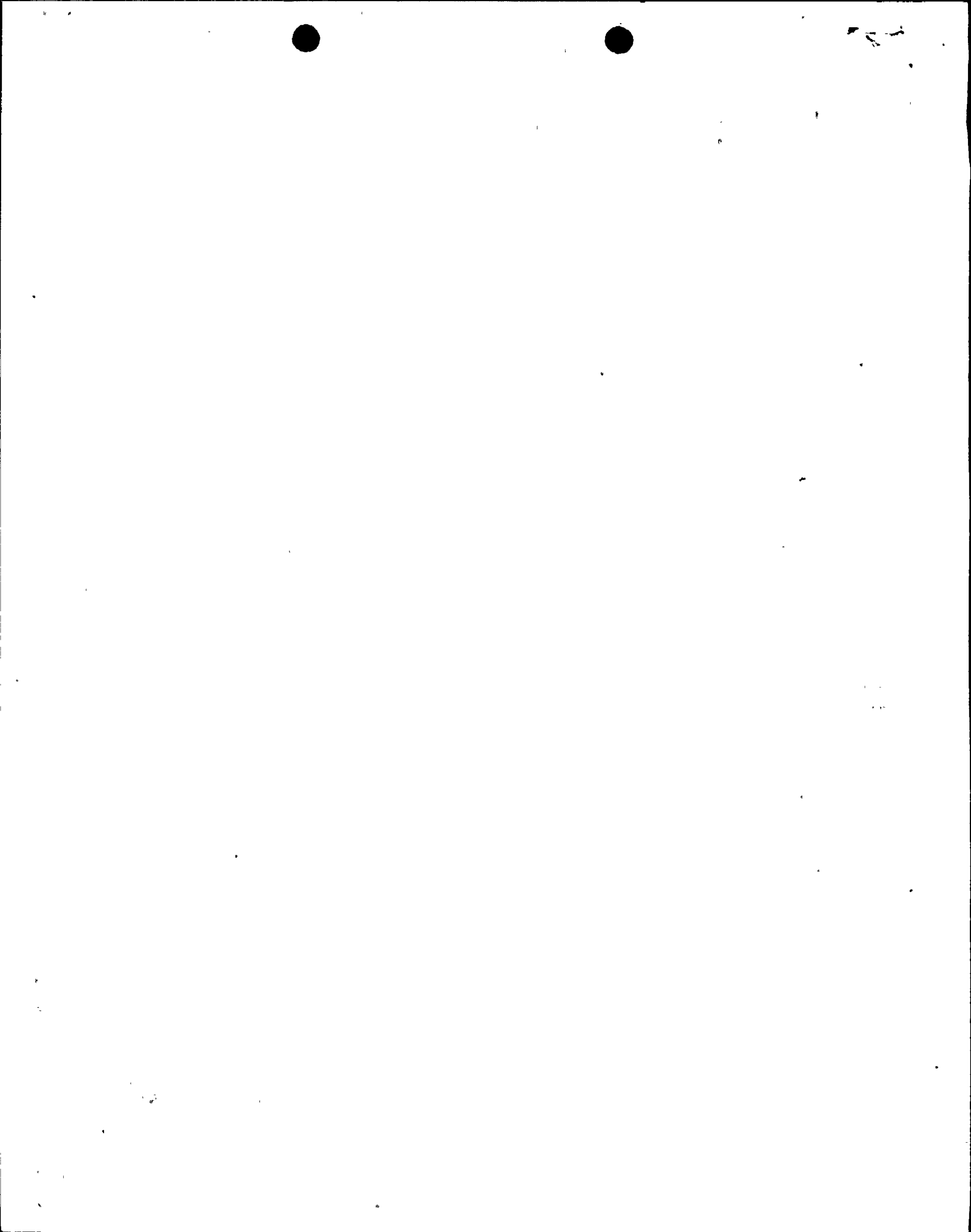
EWL/mtm

Attachments (2 copies)

cc: Director, NRR (17 copies)

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5/11

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LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | N | Y | N | M | P | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T
0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 2 | 0 | 7 | 1 | 0 | 2 | 2 | 7 | 9 | 8 | 1 | 1 | 0 | 1 | 7 | 9 | 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | Cs-137 Concentration exceeded ten times the control station value
0 3 | on a milk sample collection Sept. 24, 1979. Probable consequences
0 4 | to public health and safety are minimal.
0 5 |
0 6 |
0 7 |
0 8 |

0 9 | Z | Z | 11 | Z | 12 | Z | 13 | Z | Z | Z | Z | Z | Z | 14 | Z | 15 | Z | 16
7 8 9 10 11 12 13 18 19 20
17 | LER/RO REPORT NUMBER | 7 | 9 | 21 | 22 | 23 | 0 | 2 | 4 | 24 | 26 | 27 | 0 | 4 | 28 | 29 | T | 30 | 31 | 0 | 32
33 | X | 18 | X | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | 22 | Y | 23 | N | 24 | Z | 25 | Z | 9 | 9 | 9 | 26
34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Since area nuclear plant release have remained relatively constant,
1 1 | no explanation or cause has been determined. No corrective action is
1 2 | contemplated. Further investigation is underway. (See Attachment)
1 3 |
1 4 |

1 5 | E | 28 | 0 | 9 | 5 | 29 | NA | 30 | D | 31 | Contractor Notification | 32
7 8 9 10 12 13 44 45 46 80

1 6 | Z | 33 | Z | 34 | NA | 35 | NA | 36
7 8 9 10 11 44 45 80

1 7 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39
7 8 9 11 12 13 80

1 8 | 0 | 0 | 0 | 40 | NA | 41
7 8 9 11 12 80

1 9 | Z | 42 | NA | 43
7 8 9 10 80

2 0 | N | 44 | NA | 45
7 8 9 10 80

NAME OF PREPARER L.S. Sun

NRC USE ONLY
PHONE: (315)343-2110 Ex 1394
GPO 917-926

Environmental Technical Specifications, Appendix B, Section 5.6.2b, requires a report to be submitted in the event a confirmed measured level of radioactivity in any environmental medium exceeds ten times the control value.

The following milk sample indicated a concentration of Cs-137 that exceeded 10 times the control value:

<u>LOCATION</u>	<u>COLLECTION</u>	<u>COUNTED</u>	<u>Cs-137 Concentration pCi/l</u>
8900'ESE (1)	9/4/79	10/4/79	50.0
8900'ESE (2)	9/4/79	10/19/79	53.0
18 Mi SSW (control)	9/4/79	10/4/79	<4.7

(1) Initial analysis - ashed sample/Ge(Li)

(2) Re-analysis - Marinelli/Ge(Li)

A review of the Nine Mile Point Nuclear Station and the adjoining James A. FitzPatrick Nuclear Power Plant effluent data indicated no changes that would account for this concentration.

A review of past milk sample analytical data indicated, with the exception of this sample, that there is an overall downward trend in Cs-137 level at this location.

A review of meteorological data for 8/1/79 through 9/4/79 showed that out of 797 hours in this period, the wind was blowing in the direction of this sample location for approximately 76 hours. (A range of wind direction of 280° to 305° was considered to be of possible interest.)

To assess the possible significance of the Cs-137 concentration found in the milk, dose calculations were performed using information provided by Regulatory Guide 1.109. Even if it is assumed that the milk concentration were to remain at 50 pCi for an entire year, the maximum organ dose received by an individual would be below the design objective. Other milk samples collected this year show actual Cs-137 concentrations to be four to nine times lower than this sample. Therefore, the significance of this sample is minimal.

A more complete analysis, including duration of elevated sample results and discussion of possible sources will be included in the Annual Environmental Operating Report.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MEMORANDUM FOR: TERA Corp.

FROM: US NRC/TIDC/Distribution Services Branch

SUBJECT: Special Document Handling Requirements

1. Please use the following special distribution list for the attached document.

2. The attached document requires the following special considerations:

Do not send oversize enclosure to the NRC PDR.

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Proprietary information - send affidavit only to the NRC PDR

Other: (specify)

WRONG CODE

Mike

cc: DSB Files

TIDC/DSB Authorized Signature

