

PETROTOMICS COMPANY

TIDEWATER OIL COMPANY • MANAGING PARTNER

P. O. BOX 184 • CASPER, WYOMING

October 31, 1962

Mr. R. Lowenstein, Director
Division of Licensing & Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Lowenstein:

I am submitting this report directly, following the request of Mr. N. Grant, Petrotomics Project Manager.

Even though none of the operating personnel at Petrotomics works more than forty-two hours in any week, our mill shift schedule is so arranged that regularly each six weeks certain operators are required to work seventy-eight hours in seven consecutive days. These periods are shown on the attached schedule sheets; to date there have been five: May 9-16, June 20-27, August 1-8, September 12-19, and October 24-31. During these seven days, MPC's would become 3.1×10^{-11} uc/ml.

Technically, this has caused the following employees to be overexposed to airborne radioactivity as shown:

1. F. G. Cole, Packaging Operator, May 9-16, to average concentration of 5.6×10^{-11} uc/ml.
2. R. C. House, Precipitation Operator, May 9-16, to average concentration of 4.1×10^{-11} uc/ml.
3. R. T. Rorabeck, Precipitation Operator, May 9-16, to average concentration of 4.1×10^{-11} uc/ml.
4. J. R. Ellis, Packaging Operator, June 20-27, to average concentration of 5.6×10^{-11} uc/ml.
5. A. A. Draper, Packaging Operator, August 1-8, to average concentration of 4.8×10^{-11} uc/ml.

Job requirements for the Packaging Operators were changed in September, and exposures were below MPC during the September 12-19 period. Also, while we expect future survey results will show no job exposures which exceed permissible levels, we are currently preparing a letter seeking exemption from this regulation.

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October 31, 1962
Mr. R. Lowenstein

We did not understand these to be overexposures until explained by Mr. George Smith, Division of Compliance, Denver, during his inspection of October 23-25. Otherwise, they would have been reported within thirty days as prescribed by 10 CFR 20.405.

Sincerely yours,

PETROTOMICS COMPANY

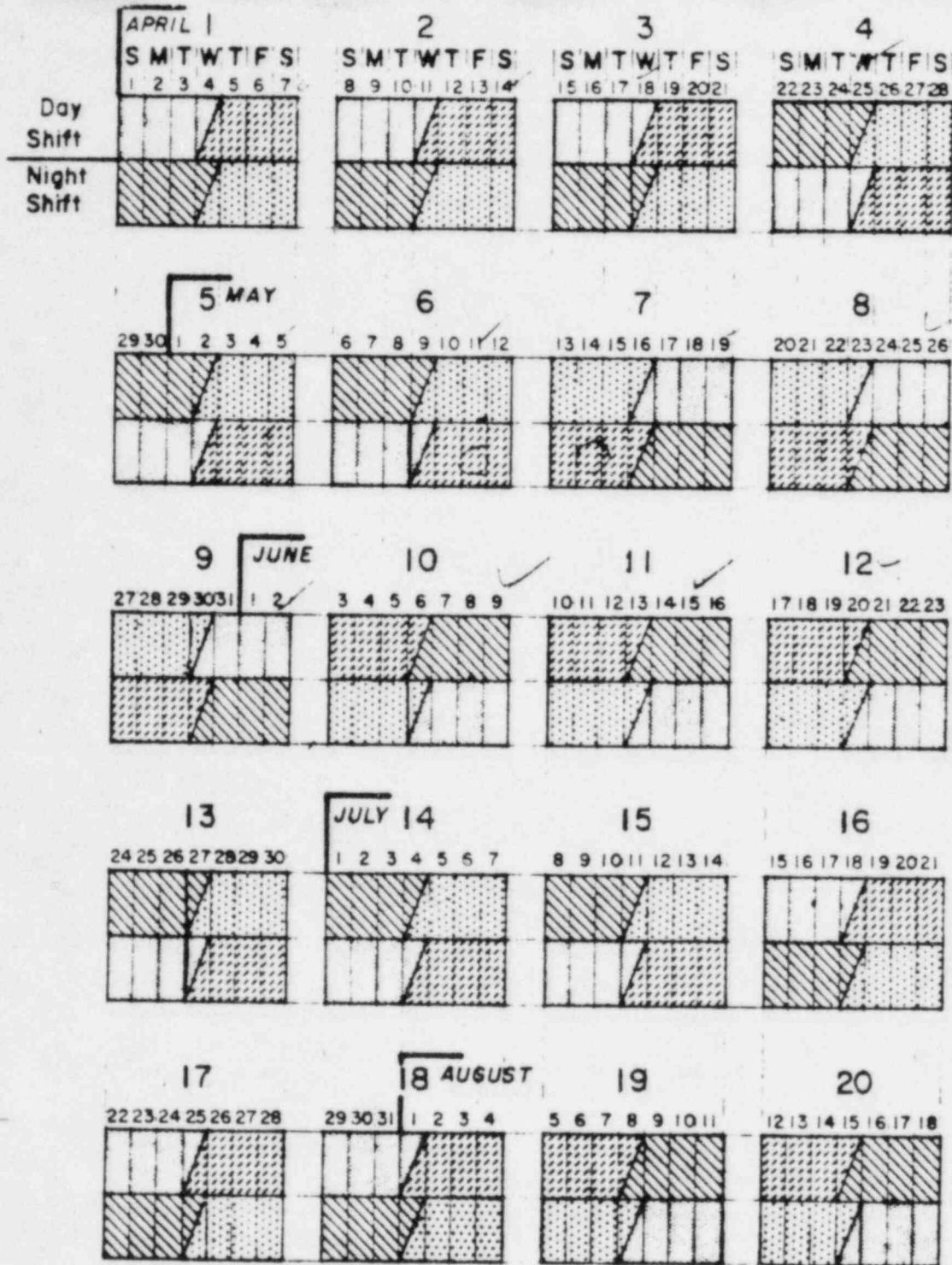
By B. M. Moulden
Radiologist

BMM:afn
Enclosure
cc: Mr. N. A. Grant

Petratomic Company

MILL OPERATING SHIFT SCHEDULE

APRIL 1, 1962 to AUGUST 18, 1962



No. 1 SHIFT CREW

No. 2 SHIFT CREW

No. 3 SHIFT CREW

No. 4 SHIFT CREW

- 3 Week Night - Day Rotation -

- 6 Week Front - Back Rotation -

- 24 Week Complete Cycle -

DAY SHIFT HOURS

7:00 A.M. to 7:00 P.M.

WED. HOURS - 7:00 A.M. to 1:00 P.M.

1:00 P.M. to 7:00 P.M.

NIGHT SHIFT HOURS

7:00 P.M. to 7:00 A.M.

7:00 P.M. to 1:00 A.M. Then

1:00 A.M. to 7:00 A.M. Then

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Petrotomics Company

MILL OPERATING SHIFT SCHEDULE

AUGUST 19, 1962 to JANUARY 5, 1963

14-565

| Day Shift Night Shift | AUGUST 21 | | | | | | | 22 | | | | | | | SEPTEMBER 23 | | | | | | | 24 | | | | | | |
|--------------------------------|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------|----|----|----|----|----|----|-------------|----|----|----|----|----|----|
| | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S |
| | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Night | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 25 | | | | | | | 26 | | | | | | | OCTOBER 27 | | | | | | | 28 | | | | | | |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Night | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 29 | | | | | | | 30 | | | | | | | 31 | | | | | | | NOVEMBER 32 | | | | | | |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Night | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 33 | | | | | | | 34 | | | | | | | 35 | | | | | | | DECEMBER 36 | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Night | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 37 | | | | | | | 38 | | | | | | | 39 | | | | | | | JANUARY 40 | | | | | | |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 1 | 2 | 3 | 4 | 5 |
| Day | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Night | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shift | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- ☐ No 1 SHIFT CREW
- ☒ No 2 SHIFT CREW
- ☒ No 3 SHIFT CREW
- ☒ No 4 SHIFT CREW

- 3 Week Night - Day Rotation -
- 6 Week Front - Back Rotation -
- 24 Week Complete Cycle -

DAY SHIFT HOURS

7:00 A.M. to 7:00 P.M.

Wed Hours 7:00 A.M. to 1:00 P.M.
1:00 P.M. to 7:00 P.M.

NIGHT SHIFT HOURS

7:00 P.M. to 7:00 A.M.

7:00 P.M. to 1:00 A.M.
1:00 A.M. to 7:00 A.M.

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|---------------------|--|--------------------------|-------------|------------------|--------------------------|----------------|--|
| LTL | | MEMO: | | REPORT: | | OTHER: | |
| X | | | | | | | |
| ORIG.: | | CC: | | OTHER: | | | |
| X | | | | 3 verifaxed cpy. | | | |
| ACTION NECESSARY | | <input type="checkbox"/> | CONCURRENCE | | <input type="checkbox"/> | DATE ANSWERED: | |
| NO ACTION NECESSARY | | <input type="checkbox"/> | COMMENT | | <input type="checkbox"/> | BY: | |
| FILE CODE: | | | | | | | |
| 40-102 | | | | | | | |

DESCRIPTION: (Must Be Unclassified)
The furnishing a report of the operating personnel, which includes overexposed employees.

ENCLOSURES: (1 copy rec'd)
 1. Counting Shift Schedule
 Apr 1, 1952 to Aug 15, 1952
 Aug 19, 1952 to Jan 1, 1953

[illegible]