

I/PT

**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF AIR POLLUTION CONTROL**  
**SOURCE INSPECTION REPORT FORM**

**I. GENERAL INFORMATION**

SOURCE NAME: PIER IX TERMINAL REGISTRATION NO.: 60979

LOCATION: HARBOR ROAD, NEWPORT NEWS INSPECTION DATE: 11-24-92

COUNTY NO. : 700 PLANT ID: 00071 SOURCE CLASS: A2

SOURCE CONTACT: ROGER DOLL, ED WOLFWINGTON, JOHN WALSH

WEATHER CONDITIONS: PARTLY CLOUDY, 60°F.

TYPE OF INSPECTION:

SCHEDULED INSPECTION  PERMIT COMPLETION

FOLLOW-UP INSPECTION  COMPLAINT INVESTIGATION

OTHER (EXPLAIN)  ANNOUNCED INSPECTION: YES

INSPECTION LEVEL PERFORMED 2 COMPLIANCE CODE 3

VEE PERFORMED NO INDICATES COMPLIANCE

OPERATING RATE:

INSPECTOR: KEN PINZEL STAFF CODE 063

CODING INFORMATION FOR COMPLIANCE STATUS

0 - UNKNOWN

1 - IN VIOLATION - NO SCHEDULE

2 - IN COMPLIANCE BY SOURCE TEST

3 - IN COMPLIANCE BY INSPECTION

4 - IN COMPLIANCE BY CERTIFICATION

5 - IN VIOLATION, MEETING SCHEDULE

6 - IN VIOLATION, NOT MEETING SCHEDULE

7 - IN VIOLATION, UNKNOWN WITH RESPECT TO SCHEDULE

8 - NO APPLICABLE REGULATION

9 - IN COMPLIANCE, CLOSED

**II. INSPECTION SUMMARY**

Were actual or potential compliance problems identified during this inspection? YES  NO

COMPLAINTS: Are compliance problems indicated? YES  NO

Does source experience excessive malfunctions? YES  NO  If yes, describe: \_\_\_\_\_

Has any enforcement action been initiated during the past two years?

YES  NO

Is inspection needed due to on-going or recently completed enforcement?

YES  NO

Is there an on-going compliance problem? YES  NO  If yes, describe: \_\_\_\_\_

Are there compliance problems involving more than one control or process system?

YES  NO

Are all compliance problems indicated above minor? YES  NO

If yes, are all compliance problems identified above now resolved?  
YES  NO

Is a follow-up inspection needed? YES  NO

Rate control equipment/process vulnerability to upset:  
Very High  High  Average  Low

Rate O & M practices at the site:  
Very High  High  Average  Low

Rank the source from 1 (lowest priority) to 4 (highest priority) for an inspection next year based on your overall evaluation of the source: 4

### III. INSPECTION COMMENTS:

The permit limits annual throughput of coal to  $30 \times 10^6$  tons. The expected throughput for 1992 is 7,250,000 tons, versus 8,300,000 tons for 1991. The maximum coal in storage is limited to  $1 \times 10^6$  tons. Pier IX can not fit that amount on the acreage as the piles are currently configured; the max. for the year is about 875,000 tons.

A thorough review was done on water application for the period of May 6 through June 6. Water was applied appropriately each day except May 25 when the 11 am assurance cycle was missed, and May 6 when only half the cycle was applied when the KD was greater than 11. Cycles are still being applied according to the 11/17 method. They have acquired the computer hardware to run the new "match-the-line" method, but have not implemented it for various reasons. A meeting will be scheduled to address the problems and possibly make changes in the program to make it more "user friendly." Twice each day the tower contacts DTA to confirm the KD. This is a precaution to guard against a failure of weather instruments being overlooked as happened in the past. Lightening strikes have damaged weather instruments twice this year. Whenever there is such a problem, they follow DTA's lead in applying cycles.

Annual use of surfactant for 1992 will be about 900 gal. We gave permission to use only the door sprays on the dumper building when off loading CA-1 coal, based on an inspection in April (see the report for further details). The moisture content of the outgoing coal has been trimmed by about 1 to 2% by better compaction of the piles and by shaping them so that rain runs off better.

For the past couple of years, they have been investing money into research on a laser technology for estimating emissions from the facility. The laser sends out light and a detector measures how much is reflected by particulate in the air. With the aid of computer analysis, it can determine the amount of particulate over the coal piles or over the dumper building. Within the next year or so, they will attempt to correlate the amount of particulate to the loading on the TSP monitor. Investment so far is approximately \$370,000.

This day they were loading a barge without visible emissions. No rail cars were being unloaded. They attempt to do so at night to take advantage of lower power rates. The amount of coal in storage was less than in the past; there was considerable open areas. The dozer was moving coal to the drop point without visible emissions.

In conclusion, the source is adequately controlling emissions; however, the permit as amended does require them to use the "match the line" approach to applying cycles, something that they have yet to implement.

II. INSPECTION SUMMARY (CONTINUED)

PAGE 2

INSPECTOR'S SIGNATURE

K. Pruzel

DATE: 11/24/92

SUPERVISOR'S COMMENTS:

SUPERVISOR'S SIGNATURE

R.C. Craft

DATE: 11/25/92

\*\*\*OCR\*\*\*

The following pages contain the Optical Character Recognition text of the preceding scanned images.

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11. INSPECTION SUMMARY (CONTINUED) PAGE 2  
INSPECTOR'S SIGNATURE & DATE:  
SUPERVISOR'S COMMENTS:

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