

Permit  
file  
right

## ATTACHMENT III - 4 A

NPDES PERMIT PROGRAM

## Fact Sheet

(Clearly Written or Printed)

1. Facility Name and Address: (List both mailing and location, if they are different)

| <u>MAILING</u>                | <u>LOCATION</u>   |
|-------------------------------|-------------------|
| <u>MASSEY COAL TERMINAL</u>   | <u>PIKE #19</u>   |
| <u>P.O. BOX 38</u>            | <u>HANSON RD.</u> |
| <u>NEWPORT, NEWS VA 23607</u> | <u>NEWS, VA</u>   |

2. Permit No. (same as Application No.) VA00 57142  
First Issue Date 7/20/81  
Modification Dates \_\_\_\_\_  
Final Issued Date 7/20/86

3. Owner Contact: (List Name and Title) PAUL SAINSON  
TERMINAL MANAGER  
Phone No. 804-244-8800

4. Permit Drafted by: H. B. ROCK Date: 6 FEBRUARY '86

5. Permit Reviewed by Region: \_\_\_\_\_ Date: \_\_\_\_\_

Headquarters: \_\_\_\_\_ Date: \_\_\_\_\_

Waived ☒ Non Waived ☐

Date to EPA \_\_\_\_\_ Date returned by EPA \_\_\_\_\_

Comments received from EPA yes ☐ no ☐

6. Category: MARINE CARGO HANDLING S1c Code(s) 4463  
(COAL EXPORT FACILITY)

7. Number of Outfalls: 1

Rec'd 2-6-86

8. Description of Discharge: (check as many as necessary)

- |                                                     |                                                      |
|-----------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Major                      | <input checked="" type="checkbox"/> Renewal          |
| <input checked="" type="checkbox"/> Minor           | <input checked="" type="checkbox"/> Effluent Limited |
| <input type="checkbox"/> Municipal                  | <input type="checkbox"/> Water Quality Limited       |
| <input checked="" type="checkbox"/> Industrial      | <input type="checkbox"/> Toxics                      |
| <input checked="" type="checkbox"/> Existing        | <input type="checkbox"/> New                         |
| <input type="checkbox"/> Possible interstate effect |                                                      |

9. Description of the Discharge(s): (This may include a copy of the portion of the application that shows the parameters being discharged and the concentration/quantity of each.)

STORMWATER RUNOFF FROM COAL STORAGE PILES

10. Manufacturing Operation: (This description should follow the wording in the effluent guidelines for the particular subcategory of industry, if applicable. Ex: manufacture of nylon 6 resin and/or fiber from the polymerization reaction of caprolactam and associated processing.)

ESTABLISHMENTS PRIMARILY ENGAGED IN ACTIVITIES  
DIRECTLY RELATED TO MARINE CARGO HANDLING  
FROM THE TIME CARGO FOR A VESSEL  
ARRIVES AT THE TERMINAL AREA UNTIL  
CARGO LOADING OPERATIONS ARE COMPLETED.  
(coal handling facility)

11. Wastewater Treatment Facilities: (brief description unit by unit)

TREATMENT FACILITIES CONSISTS OF A  
LINED RETENTION POND. WITH PH  
ADJUSTMENT VIA THE ADDITION OF LIME OR  
CAUSTIC SODA AND POLYMER ADDITION IF REQUIRED  
FOR SUSPENDED SOLIDS CONTROL

12. Location of Discharge(s): Provide sketch or detailed description of the location of the discharge.

Receiving Stream: JAMES RIVER  
Basin: LOWER JAMES  
Subbasin: NONE  
Section: I  
Class: II

Special Standard(s): CW  
7 day-10 year low flow: N/A TIOAL  
Applicable State Water Quality Standards:

pH 6.0 MIN - 9.0 MAX  
D.O. 4.0 MIN 5.0 QUL  
Temperature 3°C RISE ABOVE AMBIENT  
Bacteria 14/100 ML MBN  
Other \_\_\_\_\_

Certified Operator: NONE  
Reliability Class: N/A

13. Statutory or Regulatory Basis: (Note the appropriate sections of the CWA and/or the NPDES Regulations on which permit requirements are based. Also include any Board adopted policies that were used in the decision making.)

VWCB REGULATION #6, CLEAN WATER ACT (AS AMENDED)  
40 CFR PART 423 (STEAM ELECTRIC POWER GENERATION)  
40 CFR PART 123 (STATE-APPROVED PERMIT PROGRAMS)  
Example:

(Section 301(b)(2)E of the Act requires that point sources other than a POTW achieve effluent limitations based on the application of Best Conventional Pollutant Control Technology (BCT), for conventional pollutants, no later than July 1, 1984. Final permit limitations are based on BCT.

14. Effluent Limitations: (for each outfall and set of effluent limits, fill out the attached Table I) and include all calculations used. Justification for variances and modifications must be addressed in this Section. Attach information on the model used to this fact sheet.

15. Monitoring: (Give a brief rationale for the monitoring requirements by outfall for each parameter.)

2/M MONITORING OF PH AND TSS FROM PERMIT MANUAL  
1/6 M METALS BASED UPON EPA REGION III  
GUIDANCE FOR COAL PILE RUNOFF  
ALSO A REVIEW OF PAST MONITORING DATA

16. Schedule of Compliance: (Give a brief rationale for the dates contained in the schedule of compliance shown in Table II):

N/A

17. Special Conditions: Give a brief rationale for any special conditions contained in the permit. Include conditions defined in Section 6.18(b)7 and/or Subpart G of Regulation 6.

TMP - PHASE II WORKING

REDRAWN FOR PERMIT MODIFICATION

UPON RECEIPT OF COMPLETE 2C APPLICATION

18. Chronological Log of Meetings, Hearings, Plant Visits, and Telephone Calls significantly affecting the Permit from the time the application is received to the date of issuance.

Date

Comments

1/16/86 MEETING AND SITE VISIT TO DISCUSS  
PERMIT REISSUANCE APPLICATION

3/27/86 - LABORATORY INSPECTION / TECHNICAL  
INSPECTION - SATISFACTORY

5/12/86 - TELEPHONE CONVERSATION WITH  
M.C. FERGUSON PHASE II REDRAWN TO BE  
INCLUDED AND READVERTISEMENT REQUIRED,  
REVISED SPECIAL CONDITION SENT TO OWNER  
FOR REVIEW.

5/23/86 - OWNER AGREES VIA TELEPHONE  
CONVERSATION TO REVISED TMP WORKING

5/27/86 - D. H. WILLIS LETTER TO OWNER  
EXPLAINING SPECIAL TMP CONDITION AND

OFFERING HIS HELP IN TMP PROGRAM DEVELOPMENT.

# MASSLY DATA FOR METALS (ng/l)

|                 | 11/85  | 3/85   |
|-----------------|--------|--------|
| CU              | .02    | .05    |
| ZN              | .19    | .57    |
| Ni              | .13    | .14    |
| AL              | .9     | 1.30   |
| Cn <sup>+</sup> | <0.005 | <0.01  |
| AS              | <0.001 | .003   |
| Pb              | <.05   | <.05   |
| MG              | 32     | 17.0   |
| Hg              | <0.001 | 0.0012 |
| Se              | <0.002 | <0.002 |

|                 | 7/84   | 1/83  | 11/1/83 |
|-----------------|--------|-------|---------|
| CU              | .07    | .01   | .05     |
| ZN              | .815   | .01   | .048    |
| Ni              | .50    | <.01  | <.03    |
| AL              | 2.11   | 1.64  | <.38    |
| Cn <sup>+</sup> | <0.01  | 0.02  | <0.02   |
| AS              | <0.001 | 0.017 | <0.01   |
| Pb              | <0.05  | 0.02  | <0.05   |
| MG              | 36.29  | 2.0   | 14.29   |
| Hg              | <0.001 | <.01  | <0.001  |
| Se              | <0.001 | <.01  | <0.009  |

|                 |          |          |
|-----------------|----------|----------|
| CU              | SD = .02 | MEAN .04 |
| ZN              | .35      | .32      |
| Ni              | .19      | .16      |
| AL              | .66      | 1.26     |
| Cn <sup>+</sup> | .006     | .01      |
| AS              | .006     | .006     |
| Pb              | .01      | .04      |
| MG              | 13.91    | 20.31    |
| Hg              | .004     | .002     |
| Se              | .004     | .004     |

CHRONIC (AS ug/l)  
WATER QUALITY CRITERIA

CU = 2

Ni = 7.1

Cn<sup>+</sup> 54

AS = 63 (INORGANIC)

Pb 8.6

Hg .01

Se 54

TABLE I. EFFLUENT LIMITATIONS

(X) Final Limitation

(INDUSTRIAL)

01

Effective Dates: From 7/20/86

| Parameter     | BASIS               |               |                |                                  |                             |            |            | BASED ON     |           |                | MONITORING |
|---------------|---------------------|---------------|----------------|----------------------------------|-----------------------------|------------|------------|--------------|-----------|----------------|------------|
|               | Effluent Guidelines |               |                | Best<br>Profes.<br>Judg-<br>ment | Water *<br>Quality<br>Sids. | Multiplier | Production | Permit Limit | Frequency | Sample<br>Type |            |
|               | BPT<br>(Prop)       | BAT<br>(Prop) | NSPS<br>(Prop) |                                  |                             |            |            |              |           |                |            |
| Flow          |                     |               |                |                                  |                             |            |            |              |           |                |            |
| pH            |                     |               |                |                                  |                             |            |            |              |           |                |            |
| ARSENIC       |                     |               |                |                                  |                             |            |            |              |           |                |            |
| TOTAL LEAD    |                     |               |                |                                  |                             |            |            |              |           |                |            |
| TOTAL ZINC    |                     |               |                |                                  |                             |            |            |              |           |                |            |
| TOTAL COPPER  |                     |               |                |                                  |                             |            |            |              |           |                |            |
| TOTAL NICKEL  |                     |               |                |                                  |                             |            |            |              |           |                |            |
| TOTAL MERCURY |                     |               |                |                                  |                             |            |            |              |           |                |            |
| ALUMINUM      |                     |               |                |                                  |                             |            |            |              |           |                |            |
| MANGANESE     |                     |               |                |                                  |                             |            |            |              |           |                |            |
| SILICON       |                     |               |                |                                  |                             |            |            |              |           |                |            |
| HX CHROMIUM   |                     |               |                |                                  |                             |            |            |              |           |                |            |
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- \*1. Per 208 Plan and date
2. Per 303(c) Plan and date
3. Per RPA and date
4. Per 401 Certification and date
5. Other Per 401
6. Include toxic chart from

from coal pile runoff from  
electric and state water  
quality standards

This sheet is to be used to record changes in the permit conditions during permit review period or anytime changes are made from the originally drafted permit conditions. Make sure both Headquarters and Regional staff know of the changes being made.

NPDES PERMIT PROGRAM

# Permit Processing Change Sheet

### A. Effluent Limits and Monitoring Schedule

[illegible]

**B. Schedule of Compliance:** (List any changes on schedule of compliance and reason for the changes).

ONLY

2. **Special Conditions.** (List any changes associated with the special conditions and the reasons for the changes.)

STANDARD PHASE II WORKING FOR TMD (180 DAYS)

STANDARD EPA METHOD

TABLE 11. SCHEDULE OF COMPLIANCE

Discharge No.

N/A

| Milestones                                | Due Dates         |                       |             |
|-------------------------------------------|-------------------|-----------------------|-------------|
|                                           | Proposed by State | Proposed by Permittee | Final Dates |
| Report of Progress                        |                   |                       |             |
| Report of Progress                        |                   |                       |             |
| Preliminary Plans Submitted to the Board  |                   |                       |             |
| Final Plans Submitted to the Board        |                   |                       |             |
| Commencement of Construction by           |                   |                       |             |
| Report of Construction Progress           |                   |                       |             |
| Report of Construction Progress           |                   |                       |             |
| Report of Construction Progress           |                   |                       |             |
| Completion of Construction by             |                   |                       |             |
| Start-up of Wastewater Treatment Facility |                   |                       |             |
| Attainment of Operational Level by        |                   |                       |             |

Provide a brief description of the proposed construction, if known.

N/A

## OTHER INFORMATION:

A REVIEW OF THE METALS DATA (5 DATA BITS) INDICATE LEVELS BELOW CHRONIC AND ACUTE CRITERIA, HOWEVER, DUE TO THE LIMITED DATA BASE, FURTHER MONITORING IS WARRANTED (SEE ATTACHMENT)