

1

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

2

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

3

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

4

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

5

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Mead Corporation - Fine Paper Division** located in **Ross** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
T070	65 percent black liquor storage tank	Vent to noncondensable gas (NCG) system (No. 6 boiler)	3745-31-05 NSPS Part 60 Subpart BB	5 ppm of TRS by volume on a dry basis corrected to 10 percent oxygen unless the gases are combusted with other waste gases in an incinerator or other device or combusted in a lime kiln or recovery furnace not subject to the provisions of 40 CFR Subpart BB, and are subjected to a minimum temperature of

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
1200 degrees Fahrenh eit for at least 0.5 seconds . <0.1 ton/yea r TRS				

Facility Name: **Mead Corporation - Fine Paper Division**  
 Application Number: **06-5518**  
 Date: **August 12, 1998**

SUMMARY  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
TRS	<0.1

**NSPS REQUIREMENTS**

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
T020	Black liquor tank	BB

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

8

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and **Ohio EPA, Southeast District Office**  
**2195 Front Street**  
**Logan, OH 43138**

#### **RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

#### **REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

#### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### **MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

Except as provided by OAC Rule 3745-15-06(A) (3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

accompanied by the shutdown of the associated air pollution sources.

#### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### **CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

#### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

##### **Introduction**

The purpose of this permit to install is to authorize the installation of a new 65 percent Black Liquor Storage Tank. This tank is replacing an existing uncontrolled 65 percent Black Liquor Tank that cannot be vented to control equipment.

##### **A. Applicable Emission Limitations and/or Control Requirements**

1. Emissions Unit T070 - 65 Percent Black Liquor Storage Tank
  - a. 5 ppm of TRS by volume on a dry basis corrected to 10 percent oxygen unless the gases are combusted with other waste gases in an incinerator or other device or combusted in a lime kiln or recovery furnace not subject to the provisions of 40 CFR Subpart BB, and are subjected to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds.

##### **B. Monitoring and/or Recordkeeping Requirements**

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

1. The permittee shall record the venting of the 65 percent Black Liquor Tank to the Dilute NCG control system at all times.
2. Records documenting the initial demonstration of combustion temperature and residence time will be maintained on file.

**C. Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA, Southeast District Office) any time the 65 percent Black Liquor Tank is not vented to a control device. A written notification shall be sent to the Director (the Ohio EPA, Southeast District Office) within 30 days following the end of the calendar month.

11

Facility Name: **Mead Corporation - Fine Paper Division**

Application Number: **06-5518**

Date: **August 12, 1998**

**D. Testing Requirements/Compliance Method Determinations**

1. Emission Limitation

5 ppm of TRS by volume on a dry basis corrected to 10 percent oxygen unless the gases are combusted with other waste gases in an incinerator or other device or combusted in a lime kiln or recovery furnace not subject to the provisions of 40 CFR Subpart BB, and are subjected to a minimum temperature of 1200 degrees Fahrenheit for at least 0.5 seconds.

Applicable Compliance Method

Compliance shall be determined using the records documenting the initial demonstration of combustion temperature and residence time and the venting of the 65 percent Black Liquor Tank to the Dilute NCG control system at all times.