

Iowa Lumber Company

3000 Harrison Drive
Clinton, Iowa 52732
(319)-244-1600



February 15, 1993

Ms. Leila Forcier
Air Quality Section
Iowa Department of Natural Resources
Henry A. Wallace Building
900 East Grand
Des Moines, Iowa 50319

Dear Ms. Forcier:

The Iowa Lumber Company (ILCO) proposes to construct a new waferboard manufacturing plant at its Clinton facility, to commence the production of 240 tons of waferboard per day in November of 1993. We are herewith submitting our air quality construction permit application for this facility. Because we know that the people of the Clinton community will wish to have a good understanding of what we propose to do, we have provided a narrative attachment to Form 6, designed to explain to a layperson the process and the potential air pollution aspects of waferboard manufacturing.

If you have any questions or need any additional information, please let me know. Thank you.

Very truly yours,

Daniel W. Platt

Daniel W. Platt
Plant Manager

DWP:rmn

Enclosures

IOWA DEPARTMENT OF NATURAL RESOURCES

AIR QUALITY SECTION

APPLICATION TO INSTALL OR ALTER EQUIPMENT OR CONTROL EQUIPMENT
Read instructions on Revise
Print in Ink or Type

DNR Use
Permit Number 93-A-540
Plant Number 23-02-0341
Project Number 93-165

APPLICANT Telephone Number (319) 244-1600 Ext. 542
1 Iowa Lumber Company (ILCO) 2 Daniel W. Platt
Name of Firm Person to Contact
3 3000 Harrison Drive Clinton Iowa 52732
Mailing Address City State Zip Code
4 Same
Equipment Location and Address

PROCESS EQUIPMENT (xxxx) New () Modification
5 See Attachments
Type 6a See Attachments 6b See Attachments
(lbs/hr) (tons/year)
7 See Attachments
Make and Model Max. Emissions Potential
8750 Hours/Year

POLLUTION CONTROL EQUIPMENT
8 See Attachments
Type
9 Apr. 1993 10 Nov. 1993
Start Date Completion Date
Construction Schedule
Estimated
11 See Attachments 12a See Attachments 12b See Attachments
Make and Model Efficiency % Air Flow Rate (scfm)
13a See Attachments 13b See Attachments 13c See Attachments
Actual Before Control Actual After Control Requested Permit Limit
Emissions [specify units and contaminant (PM, VOC, NOx, SO2, CO or Pb)]

ENGINEER SUBMITTING PLANS
14 Daniel W. Platt (319) 244-1600 None
Name Telephone Number Iowa P.E. No.

CERTIFICATION
15 Daniel W. Platt 2/15/93 Plant Manager (319) 244-1600
Name Date Title Telephone Number
Signature Daniel W. Platt

I am the owner or owner s employee responsible for this installation.

FORM 6

APPLICATION INFORMATION

A COMPLETE APPLICATION MEANS ADDRESSING ALL 15 ITEMS ON FORM 6. LEAVE NO BLANKS.

CONTACT FOR INFORMATION
Environmental Protection Division
Department of Natural Resources
Wallace State Office Building
Des Moines, Iowa 50319
Phone: 515-281-8924 or 281-3499

BASIC INFORMATION

The owner of the equipment is responsible for obtaining the permit.

A permit, from this Department, is required for equipment that is capable of emitting air contaminants. Starting construction, before obtaining this permit, is a violation of section 455B.134a, Code of Iowa.

A separate application for a permit is required for each vent or discharge to the atmosphere. However, one application can cover an entire system consisting of a number of separate pieces of basic process equipment, so long as there is only one point of discharge to the atmosphere.

FILING AN APPLICATION FOR A PERMIT

Incomplete or illegible applications will be returned to the applicant. A complete application consists of the application form (Form 6) with all items completed plus the required attachments listed below. Submit application in duplicate to this Department at the address shown above.

REQUIRED ATTACHMENTS

1. Complete the information requested on permit application Form 6 (items 1 through 15). Leave no blank spaces.
2. A written description and process flow diagram of the system for which application is being made. The flow diagram shall clearly identify process quantities and air exhaust rates.
3. Final engineering plans and specifications (drawings of the proposed system) (pictures of existing equipment).
4. Manufacturer s catalog data for the pollution control equipment (identify equipment used in catalog) (a photo-copy of page(s) showing equipment).
5. Engineering design or selection calculations.
6. The composition of the exhaust stream, both before and after any control equipment, with stack exhaust rate (scfm) and temperature, stack diameter, size (area), height, emission rate (lb/hr) and in-stack concentrations of each contaminant.
7. The chemical and physical characteristics of the air contaminants.
8. Details for sampling port locations, access platforms, and other associated facilities.
9. Identification of any control equipment that is to be replaced and replacement schedule.
10. Projected operating schedule: hours/day, days/week, weeks/year.
11. Prevention of Significant Deterioration (PSD) applicability determination including, but not limited to, identification and quantification of emissions from all sources, plant-wide, for the following: total suspended particulates, particulate matter sized up to 10 microns (PM10), sulfur dioxide, carbon monoxide, nitrogen oxides, volatile organic carbons, ozone, and lead. See 40 Code of Federal Regulations 52.21(i). If PSD applies:
 - 11a. PSD Best Available Technology

List of All Available Control Technology	Technical Feasibility Evaluation	Energy Impact Analysis
Table of Available Control Technologies	Environmental Impact Analysis	Economic Impact Analysis
 - 11b. PSD Air Impact Analysis

Impact Area Determination	Emissions Inventory	Existing Air Quality
Projected Air Quality	Increment Consumption	Screening Analysis

Prepare and submit a detailed computer-aided dispersion evaluation of the air contaminants for the proposed new emission unit and all existing emission units.
 - 11c. PSD Addition Impacts Analysis

Visibility	Vegetation and Soils	Associated Growth
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12. Computer modeling may be required in some cases other than PSD.

For a medical waste incinerator: A listing of all off-site waste generators to be served by the incinerator and the maximum quantity, on an hourly basis, of off-site waste to be incinerated.
14. Location and plot plans showing the distances to and heights of nearby buildings, adjacent streets and properties, location and elevations of the emission point(s). The drawing shall also locate any fences, identify type, along property boundaries. (Computer Disc if available).