

GARDINIER INC.

8813 Hwy 41 South ° Riverview, Florida 33569 ° Telephone 813 — 677-9111 ° TWX 810 — 876-0648 ° Telex 52666 ° Cable - Gardinphos

Certified Mail:

RECEIVED

January 9, 1991

JAN 11 1991

DER-BAQM

Mr. Clair Fancy, P.E.
Bureau of Air Quality Management
Environmental Regulation
2600 Blair Stone Rd.
Tallahassee, Fl. 32399-2400

RE: Equipment Modification
GTSP Truck Loading Station and Baghouse
Permit No.: AC29-175044

Dear Mr. Fancy:

Attached is supplementary information provided as a modification to the evacuation equipment proposed in the original construction permit application for the GTSP Truck Loading Station and Baghouse facility.

The proposed equipment changes will be in accordance with all specific conditions of the existing construction permit. The modification of the original design was deemed necessary in order to minimize equipment cost and insure equipment serviceability, while maintaining the same high level of particulate control. These equipment changes will in no way affect the particulate control efficiency, as proposed in the original construction permit application .

Please note that these changes will also be indicated in the Certificate of Completion of Construction.

Should you or your staff have additional questions, please do not hesitate to contact me at (813)671-6248.

Sincerely,

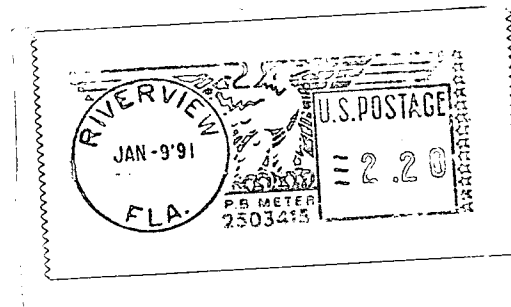
Wesley C. Sassaman, REM
Environmental Specialist

cc: B. Thomas, FLDER
J. Campbell, HCEPC
A. Wilcox

P-5


GARDINIER INC.

GARDINIER, INC.
8813 U.S. HWY. 41 SOUTH
RIVERVIEW, FL 33569



*Fold at line over top of envelope to the right
of the return address.*

CERTIFIED

P 303 008 534

MAIL

CLAIR FANCY
FLORIDA DEPARTMENT OF ENVIRONMENTAL
REGULATION
TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE BUILDING
TALLAHASSEE, FL 323-99-2400

Evacuation System Design Changes

In reference to Permit No.: AC29-175044 for the GTSP Truck Loading Station and Baghouse facility, the following changes in the original evacuation system are submitted:

Fugitive emissions around the truck itself will be controlled by enclosing the top half of the truck-body with a heavy strip curtain. The GTSP product will be delivered to the truck body using the W.W. Sly Retractable Dust Free Loading Spout (Model Number XP10), which is evacuated to a high efficiency bagfilter. The bagfilter is a W. W. Sly Pactecon Model PC 103-6, with a collection efficiency of 99.9 percent for all particles over 1/2 micron. The unit will have the following design parameters:

Stack Height:	35 feet
Stack Diameter	1.25 feet
Air Flow Rate:	2060 acfm
Air to Cloth Ratio:	5:1
Maximum outlet Dust Loading:	0.02 gr/dscf

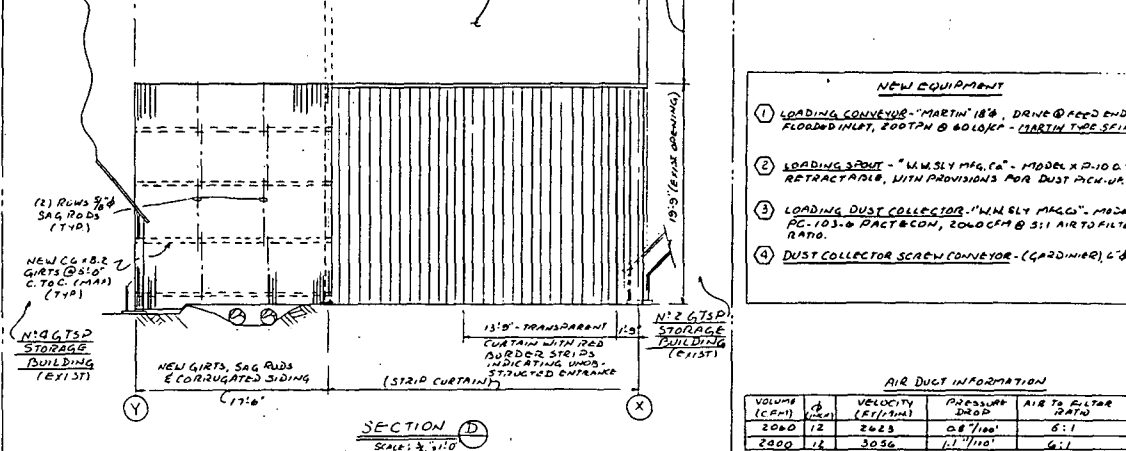
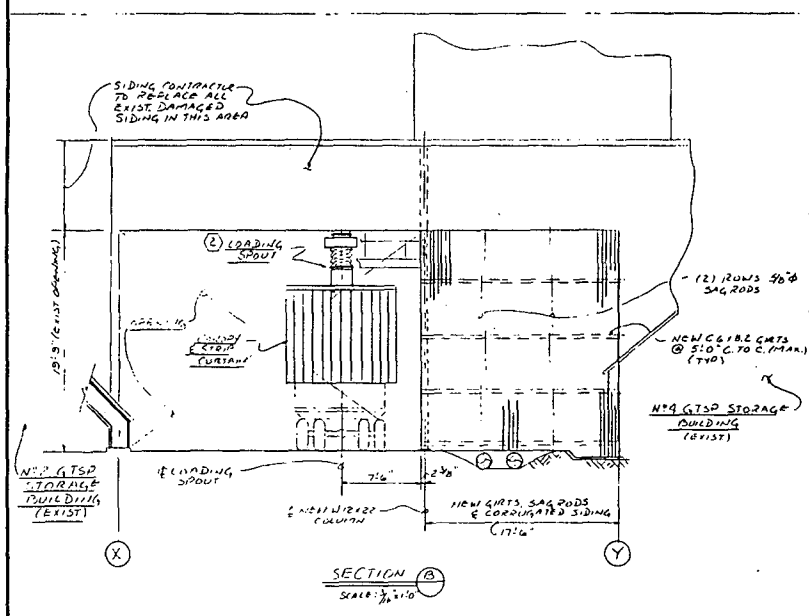
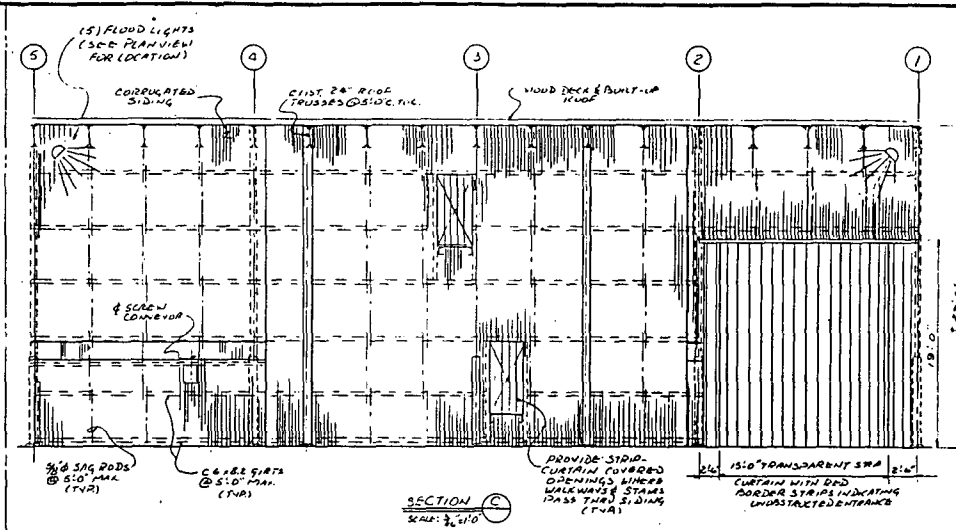
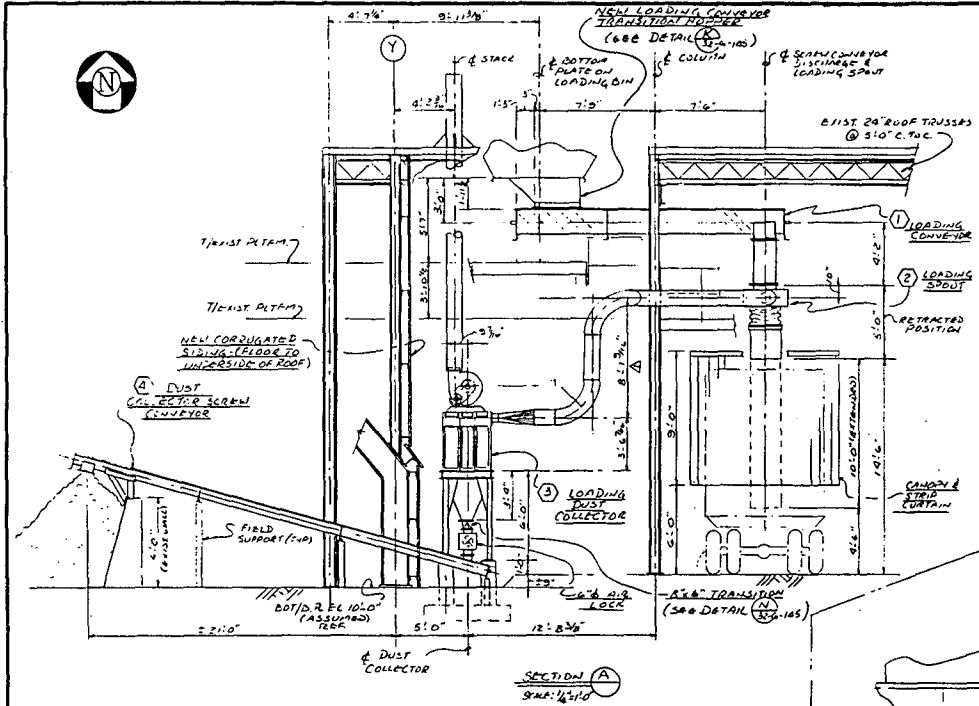
Maximum hourly emissions from the baghouse are calculated as follows:

$$2060 \text{ dscfm} \times 0.02 \text{ gr/dscf} \times 60 \text{ min/hr} / 7,000 \text{ gr/lb} = 0.35 \text{ \#/hr}$$

Maximum annual emissions:

$$0.35 \text{ lb/hr} \times 550 \text{ hr/yr} / 2000 \text{ lb/ton} = 0.09 \text{ TPY}$$

Since the maximum allowable PM emissions from this source are less than those estimated in the original permit application and less than 1 TPY, the RACT requirements of FAC Rule 17-2.650 do not apply.



- NOTE: 1 - ALL ELEVATIONS ARE RAISED UPON AN ASSUMED BOTTOM OF BASE PLATE CL. @ COL. Y & Z = 2'-10 1/2"
- 2 - SEE DWG. 32-G-195 FOR GEN. NOTES.
- 3 - THESE DIMENSIONS TO BE FIELD VERIFIED.

- NEW EQUIPMENT**
- (1) LOADING CONVEYOR - MARTIN 18", DRIVE @ FEED END, FLOOR MOUNT, 200 T/H @ 80 L/HR - MARTIN TYPE SFL
 - (2) LOADING SPOUT - W.M.S.LY MFG. CO. - MODEL X P-100 S, RETRACTABLE, WITH PROVISIONS FOR DUST INLET
 - (3) LOADING DUST COLLECTOR - W.M.S.LY MFG. CO. - MODEL PC-103-D PACT # CON, 2000 CFM @ 5:1 AIR TO FILTER RATIO
 - (4) DUST COLLECTOR SCREW CONVEYOR - GARDINER L'S

AIR DUST INFORMATION

VOLUME (CFM)	VELOCITY (FT/MIN)	PRESSURE (PSI)	AIR TO FILTER RATIO
2000	12	24.2	5:1
2000	12	30.56	6:1

GARDINER, INC
8813 HWY. 41 SOUTH
RIVERVIEW, FL 33589

FILE NO. _____ JOB NO. _____
G.T.S.P. #4 - PROPOSED TRUCK LOADING & DUST COLLECTION SYSTEM

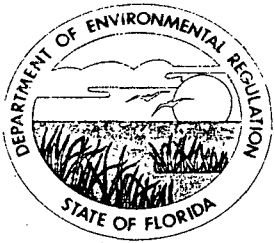
SCALE NOTED DATE 1/4/91

BY: _____ DATE: _____
CHK: _____ DATE: _____

THIS DRAWING IS THE PROPERTY OF GARDINER, INC. IT IS LOANED SUBJECT TO THE CONDITION THAT IT IS NOT TO BE REPRODUCED OR COPIED WITHOUT WRITING FROM GARDINER, INC.

NO.	DATE	ISSUED FOR	REVISION
GA 32-G-198	1/1/91	ISSUED FOR REVIEW	(1)

REV. DRAWING NO. _____ DATE: _____



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 11, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. E. O. Morris, Environmental Manager
Gardinier, Inc.
8813 Highway 41 South
Riverview, Florida 33569

Dear Mr. Morris:

The Department received your request for modification of the construction permit referenced below. The request is acceptable and the following shall be changed:

AC 29-175044: Specific Condition No.1

FROM:

The construction and operation of this source shall be in accordance with the capacities and specifications stated in the application.

TO:

The construction and operation of this source shall be in accordance with the capacities and specifications stated in the application and modified by the permittee's letter dated January 9, 1991 (Attachment No. 2).

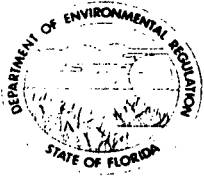
This letter must be attached to construction permit AC 29-175044 and shall become a part of that permit.

Sincerely,

for STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

SS/JR/plm

cc: B. Thomas, SW Dist
Q. Campbell, EPCHE



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Steve Smallwood
FROM: Clair Fancy *CF*
DATE: February 11, 1991
SUBJ: Amendment to Construction Permit AC 29-175044
Gardinier, Inc.

Attached for your approval and signature is a letter amending Specific Condition No. 1 for the above referenced construction permit.

The Bureau recommends approval of this amendment.

CF/JR/plm

Attachment