STATE OF NEW YORK
DEPARTMENT OF LABOR
Division of Industrial Hygiene
Engineering Section

APPLICATION FOR APPROVAL OF EXHAUST SYSTEM PLAN

(This Box For Office Use Only)

PLAN NO.	EP-
DATE REC'D.	/ /
FEE REC'D.	

FILING INSTRUCTIONS - ONE COMPLETED COPY OF THIS FORM MUST BE FILED FOR EACH FAN SYSTEM IN THE EXHAUST PLANS BEING SUBMITTED. Forward exhaust system plans IN TRIPLICATE, together with one completed copy of this form for each fan system, to the Engineering Section of the Division of Industrial Hygiene at one of the following Department of Labor Offices. Plans for exhaust systems to be installed in the counties of Cattaraugus, Chautauqua, Erie, Genesee, Livingston, Monroe, Niagara, Ontario, Wayne, Wyoming and Yates should be sent to: 2447 SHERIDAN DRIVE, TONAWANDA, N.Y. 14150. Plans for exhaust systems to be installed in counties other than those listed above, should be submitted to: 80 CENTRE STREET, NEW YORK, N.Y. 10013.

IMPORTANT: Effective June 1, 1963, the Industrial Commissioner is required by section 204-a of the Labor Law to charge a FEE FOR THE EXAMINATION OF EXHAUST PLANS. Please forward with the plans a check or money order payable to the Industrial Commissioner, in accordance with the following fee schedule FOR EACH FAN SYSTEM:

CATEGORY A

"Simple single booths and enclosures, such as spray booths; canopy hoods; dilution, general and natural draft ventilation systems".

Design CFM	Fee
less than 5,000	$10
5,000 or more	20

CATEGORY B

All systems other than category A.

Design CFM	Fee
less than 250	$10
250 or more but less than 1,000	20
1,000 or more but less than 5,000	30
5,000 or more but less than 10,000	40
10,000 or more	50

PLAINTIFF'S EXHIBIT
GP-681

1. FIRM NAME
Georgia-Pacific Corporation

2. MAILING ADDRESS
900 S.W. 5th Avenue, Portland, Oregon 97204

3. PLANT LOCATION (Street and Number, City, Town, Village; County)
Bloomingdale Road, Akron, Erie County, New York 14001

4. PLANT REPRESENTATIVE TO BE CONTACTED REGARDING EXHAUST SYSTEM PLANS — 4b. TITLE
George Turner — Project Engineer

5. NUMBER OF INDIVIDUAL EMPLOYEES AT THE ABOVE PLANT LOCATION:	TOTAL	MALE	FEMALE	5. NO. OF EMPLOYEES AT OPERATIONS OR MACHINES
	135	131	4	70

6. AUTHORIZED AGENT (If any) SUBMITTING PLANS (Engr. Designer, Consulting Firm, Etc.) — LETTER OF AUTHORIZATION MUST ACCOMPANY PLANS
None

7. BUSINESS ADDRESS OF AGENT
-

8. NO. OF FAN SYSTEMS SHOWN ON PLAN (Fan Systems Should Be Numbered)	10. SUBMITTED FOR COMPLIANCE WITH INDUSTRIAL CODE RULE NO.
One (1)	10NYCRR-80

FAN SYSTEM NO. 9 AMOUNT OF FEE ENCLOSED $30.00

GENERAL DATA

11. LOCATION OF SYSTEM
a. BUILDING Joint Cement Manufacturing b. FLOOR One
c. DEPARTMENT Joint Cement d. NUMBER OF FLOORS IN BLDG. One

12a. IS PROPOSED INSTALLATION NEW? ☐ YES ☒ NO
12b. ADDITION TO OR RECONSTRUCTION OF EXISTING SYSTEM ☒ YES ☐ NO

13. DOES THIS PLAN AMEND PREVIOUSLY SUBMITTED PLAN? ☐ YES ☒ NO
IF YES, GIVE PREVIOUS PLAN NO. AND AMOUNT OF FEE PAID

14. IS THIS INSTALLATION TO COMPLY WITH ORDERS OR SPECIFIC RECOMMENDATIONS ISSUED BY THIS DEPARTMENT? ☒ YES ☐ NO
IF YES, GIVE DATE OF ISSUANCE October 27, 1972

15. IS EXHAUST SYSTEM TO BE RECIRCULATED TO THE WORKROOM? ☐ YES ☒ NO
("Recirculated Air Which Contains Injurious Air Contaminants Shall Not Be Recirculated." - Rule 15-8.5)

16. DISCHARGE POINT: ☐ ABOVE ROOF ☐ OUT OF WINDOW ☐ THROUGH SIDE WALL ☒ OTHER Outside Installation
- FEET TO NEAREST FIRE ESCAPE OR EXIT - FEET ABOVE ROOF - FEET TO NEAREST WINDOW

17. MAKE-UP AIR, EQUAL IN VOLUME TO THAT EXHAUSTED, TO BE SUPPLIED BY
N/A

17a. MEANS FOR HEATING MAKE-UP AIR
N/A

(OVER)

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DESCRIBE MACHINES AND OPERATIONS FULLY ON PLANS. SEE INSTRUCTION SHEET, FORM IH-212.1 FOR GUIDANCE IN THE PREPARATION OF EXHAUST SYSTEM PLANS.

AIR CLEANING DATA

18. IS AIR CLEANING EQUIPMENT PROVIDED?	19. TYPE OF AIR CLEANING EQUIPMENT (If any) TO BE USED (Cyclone, Cloth Arrestor, Etc.)
☒ YES ☐ NO	Baghouse (Mechanical Shaking)

20a. AIR CLEANER MANUFACTURER	20b. MODEL OR CATALOG NO.	20c. SIZE
Wheelabrator	126-D	12'0" L. x 10'0" W. x 12'3" H.

21. MAXIMUM PRESSURE DROP THROUGH AIR CLEANER AT OPERATING CONDITIONS ("W.G.) 7"

FAN DATA (If more than one fan system is shown on plans, each fan should be numbered and described)

22. FAN NO.	23. MFR.'S NAME	FAN TYPE	DESIGN	SIZE
9 (Exist)	Chicago Blower Co.	Centrifugal	Material Handling	20

24. MFR.'S RATING: RPM	CFM	S.P. (in. water)	B.H.P.	MOTOR H.P.	25. FAN CONDITION
1910	10,000	8"	21.5	25	☐ New ☐ Reconditioned ☒ Existing

26. DESIGN REQUIREMENTS: CFM	S.P. (in. water)	27. FAN INLET DIAMETER	28. FAN OUTLET DIAMETER OR SIZE
9350	8"	20 Inches	20 x 18 Inches

DIMENSIONS OF UNITS EXHAUSTED (Identify on plan by letter; use separate sheet if necessary)

UNIT (As shown on plan)	30. DESCRIPTION (Examples: grinding wheel, belt, tank, booth)	31. SIZE (Wheel diameter & thickness, belt width, tank dimensions)	32. OPERATION AND/OR CONTAMINANT (Examples: brass parkerizing, vapor degreasing, caustic dipping at 180°, chromium plating)	33. BRANCH DIAMETER
B	Hood over Bag Slitter	9'6" Long x 5'0" wide x 4'11" high	Slitting 100 lb. bags of Asbestos for manufacturing Joint Cement. Note: Joint Cement product c ontains 5% Asbestos	15"
C	Hood over Weigh Scale	5'3" Long x 3'3" Wide x 6'0" High	Batch Weighing of Lime-stone Note: Above vent hoods B & C will add approx. 5,000 C.F.M. to Existing System	7"

34. SIGNATURE OF PERSON SUBMITTING PLANS AND THIS APPLICATION: George Turner, Project Engineer

35. DATE SUBMITTED: April 20, 1973

SPACE BELOW FOR OFFICE USE ONLY

☐ APPROVED ☐ DISAPPROVED EXAMINED BY _____ DATE _____

REMARKS: _____

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FEE FOR THIS FAN SYSTEM _____ CHECKED BY _____ DATE _____

File Copy

STATE OF NEW YORK - DEPARTMENT OF LABOR - DIVISION OF INDUSTRIAL HYGIENE

INSTRUCTIONS FOR THE PREPARATION AND FILING OF PLANS AND SPECIFICATIONS FOR EXHAUST SYSTEMS

INSTRUCTIONS FOR PREPARING PLANS - Plans must show:

An outline of that portion of the building or buildings in which the exhaust system is to be installed or extended. The outline must be of sufficient scope to give a clear indication of the mode of entrance and source of tempered make-up air. All pillars, columns or structural members which are adjacent to the machines or processes to be connected to such exhaust system or to any of the ducts or other parts thereof should also be shown.

2. Location of each machine or process and its designation by a suitable outline. The size or other characteristics of the machine, equipment or operations which is used as the basis for the designed exhaust air quantity should also be indicated (e.g. grinding wheel diameter and thickness, temperature and rate of solvent evaporation in oven, temperature and contents of tank baths in open surface tank operations, etc.).

3. Layout in plan and elevation of exhaust system including all of its parts, drawn to scale with all ducts shown by double lines. This should indicate the duct sizes, minimum air velocities in the ducts, method and frequency of supports, clean-outs, removable caps, fan and air cleaning equipment and the location of the point of discharge in relation to roof, walls, windows, doors of the factory and adjacent premises.

4. Details of design and dimensions of all hoods, booths and enclosures and other points of ventilation including details of their support and construction. Air quantity or velocity at each hood, booth, work opening or point of control should be specified. Show total design CFM for each fan system.

5. Details of the design, construction and support of any air cleaning equipment which may be used. (For centrifugal and other essentially constant pressure drop air cleaners: specify the cleaner resistance at the specific system air flow. For cloth arrestors: specify effective cloth area, form in which cloth is used, cloth type, etc. Specify maximum resistance of arrestors at time prior to shaking. Indicate whether shaking is manual, motorized, automatic, etc., and time between shakings.) When commercially available equipment is used, indicate the manufacturer's catalog number.

6. Complete fan specifications including name, type, design, size. Specify manufacturer's fan rating applicable to designed system, such as CFM, SP (system resistance), fan RPM, BHP and motor HP.

If plans are for the addition to an existing system, i.e., wherever branches or mains of the proposed system connect into any main, separator or discharge duct of a previously installed system, plans must show sufficiently detailed information as to the duct sizes, air quantities and air flow resistance throughout the previously installed system to allow an accurate calculation of the effect of connecting the proposed system.

Plans submitted herewith must be of professional quality equivalent to those prepared by designers or draftsmen skilled in the art of preparing mechanical drawings of industrial exhaust systems. Plans of lesser quality or plans accompanied by incomplete or illegible specifications, may either be returned for resubmission in acceptable form or, in extreme cases, be summarily disapproved. General construction, air cleaner and fan specifications are preferably included directly on the plans.

Design and construction of exhaust systems shall conform to the pertinent Industrial Code Rules and acceptable standards of good engineering practice. Engineering plates illustrating such standards are available from the Engineering Section of the Division of Industrial Hygiene. A list of such plates will be furnished on request.

INSTRUCTIONS FOR PREPARING APPLICATION FORM (IH-212): One application form must be submitted for each fan system included in the plans. Thus, if the plans show four fan systems (i.e., four fans) then four application forms must be filed along with the plans. If the plans amend or revise previously submitted plans for which an exhaust plan fee was paid to the Industrial Commissioner, indicate this in item 13 of form IH-212 and give the previous plan number.

INSTRUCTIONS FOR FILING PLANS AND APPLICATIONS: Forward exhaust system plans IN TRIPLICATE, together with one completed copy of form IH-212 ("Application for Approval - Exhaust Plans") for each new or revised fan system in the plans, to the Division of Industrial Hygiene, New York State Department of Labor at one of the following offices. Plans for exhaust systems to be installed in the counties of Cattaraugus, Chautauqua, Erie, Genessee, Livingston, Monroe, Niagara, Ontario, Orleans, Wayne, Wyoming and Yates should be sent to 2447 SHERIDAN DRIVE, TONAWANDA, N.Y. 14150. Plans to be installed in counties other than those listed above should be submitted to 80 CENTRE STREET, NEW YORK, N.Y. 10013.

RESPONSIBILITY FOR PLANS AND SPECIFICATIONS: Employers or agents must file specifications and plans for exhaust systems required by the Labor Law or the Industrial Code Rules BEFORE the installation or extension of any such exhaust system. Agents must submit a letter from their client authorizing them to file plans on the client's behalf.

(SEE OVER FOR PLANS EXAMINATION FEES)

FEES FOR PLANS EXAMINATION

NEW PLANS

See fee schedule on application form IH-212 using the following examples to determine appropriate category:

Category A

1. All dilution ventilation systems where general ventilation, usually by means of free air fans in the roof, wall, windows, etc., is provided to dilute the contaminants released by an operation to acceptable concentrations.

2. All general ventilation systems for heat or fume ventilation such as in a welding shop, laundry, foundry, etc.

3. Simple, single spray booths and dipping booths for the application of paint, lacquers, enamels, and similar finishing materials by dipping, impregnating, spraying, spreading and flow or roller coating. Booth and dilution ventilation for subsequent drying operations are included.

4. Simple, single, high volume, low pressure booths, similar to spray booths, used for such operations as welding, etc.

5. All Natural draft systems.

Note: Where more than one exhaust fan in Category A is used to accomplish one purpose, such as two fans in a spray booth, several fans in windows for dilution ventilation of a workroom, several exhausters in the roof of a foundry room, for fume removal, etc., all will be considered one fan system and the sum of the CFM's will be used to determine the fee.

Category B

All other systems fall into Category B. Multi-branch pipe systems containing more than one Category A type hood also fall into Category B. (For example, two or more spray booths connected by branch pipes to a main pipe and fan consitute a Category B system)

Note: Where two or more fan systems are connected to a single main pipe or single air cleaner, they are considered as separate fan systems.

REVISED PLANS

The following criteria have been established regarding resubmission of plans:

1. A fee will not be charged for any resubmissions for disapproved plans if the design CFM remains in the same fee bracket as in the original submission. If a resubmission is in a higher fee bracket, the difference in fees will be charged.

2. If within one year after plan approval the applicant submits revised plans representing minor change in the installation, no fee will be charged if such plans are in the same fee bracket. If the revised plans fall into a higher fee bracket, the difference in fees will be charged. Revisions of approved plans more than one year old are considered new, and the full fee will be charged.

3. If any time after plan approval the applicant submits revised plans representing major change in the installation, the plans will be considered new, and the full fee will be charged.

Note: A major change is defined as one with a 50% or greater increase in CFM or in number of branch pipes.

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