

The Commission, having considered the following Application for permits submitted by the following respective firms and having reviewed the staff recommendations and the Summary Reports attached hereto, does hereby approve said Applications subject to the conditions contained with the Applications, Summary Reports, or amendments thereto, and Subsection 4(d) of the Arkansas Plan of Implementation; provided, however, that the applicant is hereby ordered and directed to comply with all general terms of the permit and all special terms and conditions to the permit, if any, which are so specified.

APPLICATION FOR PERMIT - INDUSTRIAL FACILITIES

<u>PERMIT NO.</u>	<u>FACILITY &amp; LOCATION</u>	<u>COST</u>
498-AR-1	CPS Chemical Company Bridgeport Industrial Park	N/A
358-AI	Magic Mart #403 Searcy	N/A
359-AI	Magic Mart #424 Mountain Home	N/A
360-AI	United Sanitation Jonesboro	N/A
361-AI	Woodruff County Landfill (United Sanitation) Jonesboro	N/A
690-A	McClary Corporation Hot Springs	100,000
691-A	Fafnir Bearing Division of Textron Gum Springs	N/A
692-A	Kimberly-Clark Corporation Conway	N/A
693-A	MacSteel-Arkansas, A Div. of Quanex Fort Smith	6,246,360

COMMISSIONERS

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Chairman

SUBMITTED BY John D. Ward

DATE PASSED 10-1-82

ARKANSAS DEPARTMENT OF  
POLLUTION CONTROL AND ECOLOGY

MINUTE ORDER NUMBER 82- 61

LOCATION - SUBJECT: PERMITS BRANCH

AIR SECTION - SUMMARY REPORTS

PAGE 2 OF 2 PAGES

The Summary Report, prepared by the staff, is designed to facilitate the administration of the air pollution control program for the State of Arkansas, and, otherwise, for the convenience of the Commission and other interested persons. Copies of the Minute Order, the Permit, and the Summary Report, is to be attached to the Application for Permit which is on file in the Department's central office. It is further noted that the approval of this application is based upon information contained within the Application for Permit - not the Summary Report. Nevertheless, the applicant is expected to forthwith notify the Department of any discrepancies found between the two documents.

COMMISSIONERS

JY  
WJ  
DB  
DB  
JK

John P. Dayton  
Chairman

SUBMITTED BY John D. Ward DATE PASSED 10-1-82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY CPS Chemical Company, Inc.  
Bridgeport Industrial Park, West Memphis  
CSN 180081 CASE REFERENCES \_\_\_\_\_  
FIRST SUBMITTAL 9/1/82 AMENDED \_\_\_\_\_

SUMMARY:

CPS Chemicals proposes to make Agesperse 71, a product which is used as a dispersant for pigments in paints. This product will be made in batches, using existing equipment, as the demand requires. It is anticipated that ten batches will be made the first year; by 1984 it is hoped that twenty batches will be made. Emissions will occur when the reactor, condenser, and piping are purged with nitrogen before each batch is made. The emission rates are summarized below.

POLLUTANT	POUNDS PER BATCH
Diisobutylene	0.0987
Methyl Isobutyl Keytone	0.0151
Maleic Anhydride	0.0004

ESTIMATED COST \$ N/A TOTAL PROJECT \$ N/A  
INSTALLATION N/A OPERATION UPON RECEIPT  
RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 498-AR-1  
AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_  
REVIEWED BY MAP APPROVED BY JDW DATE APPROVED 10/1/82  
Qtd1

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY  Magic Mart #403

Searcy, Arkansas

CSN  730095 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL  8/11/82 AMENDED  8/20/82

SUMMARY:

Magic Mart Discount Stores proposes to install a Fire Engineers model DVR-400-1 LS incinerator at store #403 located in Searcy. The incinerator will be used to burn type 0 waste (cardboard boxes). Stack sampling has shown that this model is capable of emitting less than 0.1 grains per dry standard cubic foot corrected to 12% CO<sub>2</sub> without contribution of the auxiliary fuel.

ESTIMATED COST: \$  NA TOTAL PROJECT: \$  8,792.00

COMMENCEMENT OF INSTALLATION  NA COMMENCEMENT OF OPERATION  NA

RECOMMENDATION  Approval ASSIGNED PERMIT NUMBER  358-AI

AIR CODE  X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_

REVIEWED BY  MAP APPROVED BY  JDW APPROVAL DATE  9/24/82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Magic Mart #424  
Mt. Home, Arkansas

CSN 030061 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 8/11/82 AMENDED 8/20/82

SUMMARY:

Magic Mart Discount Stores proposes to install a Fire Engineers model DVR-400-1 LS incinerator at store #424 located in Mountain Home. The incinerator will be used to burn type 0 waste (cardboard boxes). Stack sampling has shown that this model is capable of emitting less than 0.1 grains per dry standard cubic foot corrected to 12% CO2 without the contribution of the auxiliary fuel.

ESTIMATED COST: \$ NA TOTAL PROJECT: \$ 8,792  
COMMENCEMENT OF INSTALLATION NA COMMENCEMENT OF OPERATION NA  
RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 359-AI  
AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_  
REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 9/24/82

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ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY United Sanitation

Jonesboro, Arkansas

CSN 160163 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 8/6/82 AMENDED \_\_\_\_\_

SUMMARY:

United Sanitation operates a sanitary landfill outside of Jonesboro. To extend the life of the landfill, United Sanitation proposes the installation of an air curtain (trench) incinerator. The waste to be incinerated will be limited to wood and cardboard collected from local industries. Municipal waste shall not be incinerated. The emissions from the incinerator shall not exceed an opacity of 10 percent except for one 30 minute period each day for start-up. The emissions from the ash handling shall not exceed 10 percent at any time.

ESTIMATED COST: \$ N/A TOTAL PROJECT: \$ 30,000

COMMENCEMENT OF INSTALLATION Upon Approval COMMENCEMENT OF OPERATION N/A

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 360-AI

AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_

REVIEWED BY CDH APPROVED BY JDW APPROVAL DATE 10/1/82

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ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Woodruff County Landfill (United Sanitation)  
McCrary

CSN 740040 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 9/9/82 AMENDED \_\_\_\_\_

SUMMARY:

Woodruff County Landfill operates a sanitary landfill outside of McCrary, and proposes the installation of an air curtain (trench) incinerator, in order to extend the life of the landfill. The waste to be incinerated will be limited to wood and cardboard collected from local industries. Municipal waste shall not be incinerated. The emissions from the incinerator shall not exceed an opacity of 10 percent, except for one 30 minute period each day for start-up. The emissions from the ash handling shall not exceed 10 percent at any time.

ESTIMATED COST: \$ N/A TOTAL PROJECT: \$ 30,000  
COMMENCEMENT OF INSTALLATION Upon Approval COMMENCEMENT OF OPERATION N/A  
RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 361-AI  
AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_  
REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 10/1/82

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ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY McClary Corporation

Hot Springs, Arkansas

CSN 260193 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 7/6/82 AMENDED 7/25/82

SUMMARY:

The McLary Corp. of Hot Springs proposes to build a plant to manufacture wood shavings from various types of wood. The main products will be cedar shavings used for animal bedding and pine shavings used in the poultry industry.

The process equipment will consists of two shaving machines, a dryer, a cyclone, and a fabric filter. The only emissions will be from the fabric filter. The allowable emission rate will be 1 pound of particulate (wood dust) per hour.

ESTIMATED COST: \$ 100,000 TOTAL PROJECT: \$ 5,000

COMMENCEMENT OF INSTALLATION 7/82 COMMENCEMENT OF OPERATION upon receipt

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 690-A

AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 9/24/82

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ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Fafnir Bearing Division of Textron Inc.

Gum Springs, Arkansas

CSN 1000069 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 7/6/82 AMENDED 7/20/82

SUMMARY:

Fafnir Bearing Division of Textron Inc. plans to build a manufacturing plant in the Clark County Industrial Park. The plant will manufacture ball bearing assemblies.

The process to be used will consist of several machining, grinding, heat treating, and washing operations. The majority of the emissions will be volatile organic compounds (VOC).

Due to the low emission rates and the number of emission points (16), the allowable emissions rates will be placed over the entire plant rather than on individual sources. They are as follows:

carbon monoxide:	0.5 tons/year
oxides of nitrogen:	2.0 tons/year
particulate:	2.0 tons/year
VOC:	77.4 tons/year
sodium hydroxide:	7.3 tons/year

These emission rates are based on calculations using data from a similar plant currently operated by Fafnir. If, after the plant reaches full production, it is found that allowable emission rates are being violated, the Department reserves the right to amend the permit as necessary.

ESTIMATED COST: \$ N/A TOTAL PROJECT: \$12,000,000

COMMENCEMENT OF INSTALLATION 1/83 COMMENCEMENT OF OPERATION 1/84

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 691-A

AIR CODE X SIP \_\_\_\_\_ PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 9/24/82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Kimberly-Clark Corporation  
Commerce Road and Exchange Ave., Conway

CSN 230093 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 8/24/82 AMENDED 8/27/82

SUMMARY:

The Kimberly-Clark Corporation manufactures nonwoven textiles at their plant in Conway. Currently, the processes used by Kimberly-Clark have minimal (if any) atmospheric emissions, and thus no permit from this Department was necessary. Kimberly-Clark now proposes to add a new process which will emit 11.9 lb/hr of particulate matter and 6.1 lb/hr of volatile organic compounds (VOC). This process consists of mixing melted, extruded polymer with other materials to form a combined web which is collected on amoving screen. The web is then cut to size, wound on rolls and converted to a finished product.

Also to be installed is a Beringer oven which will be used to remove accumulated polymeric debris from equipment parts. This oven will emit a small amount of VOC (less than 1 ton/year).

ESTIMATED COST: \$ N/A TOTAL PROJECT: \$ N/A  
COMMENCEMENT OF INSTALLATION \_\_\_\_\_ COMMENCEMENT OF OPERATION \_\_\_\_\_  
RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 692-A  
AIR CODE X SIP X PSD \_\_\_\_\_ NSPS \_\_\_\_\_ NESHAPS \_\_\_\_\_  
REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 10/1/82

Kimerbly-Clark Corp.  
Conway

Table I: Emission Rate Summary

SOURCE NO.	DESCRIPTION	POLLUTANT	ALLOWABLE EMISSION RATE	OPACITY	
SN-1	Extruder Banks #1 and #2	Particulate VOC	11.9 lb/hr 6.06 lb/hr	52.12 T/yr 26.54 T/yr	20%
SN-2	Beringer Oven	VOC	1.0 T/yr	20%	

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY MacSteel-Arkansas, A Division of Quanex Corp.  
Fort Smith

CSN 660274 CASE REFERENCES \_\_\_\_\_

FIRST SUBMITTAL 7/2/82 AMENDED 8/10/82

SUMMARY:

MacSteel-Arkansas is constructing a steel mill in Fort Smith which will melt steel scrap in two electric arc furnaces. The molten steel will then be transferred either to a refining station or to a casting machine or both. At the refining station reagents and/or alloys will be added to adjust the chemistry of the steel. In the casting machine the steel will be solidified into bars. The bars will then be cut to size and either sent to a rolling machine, storage and/or shipping.

The major emission source will be the dust generated in the arc furnaces. These emissions will be captured by an elaborate duct system and routed to a baghouse. This system will collect air from the entire shop; thus, excess emissions will not occur even during tapping and charging. The dust collected in the baghouse will be sent to a pelletizing machine. Here, the dust will be formed into pellets and then charged back into the furnace. This recycling process will continue until the dust is either converted into slag or escapes from the baghouse. The allowable emission rate from the baghouse is 0.0052 grains per dry standard cubic foot (22.8lb/hr).

A second, and much smaller, emission source will be the reheat furnace. This furnace will burn, at most, 45 thousand cubic feet of natural gas per hour.

The allowable emission rates are summarized in Table I.

ESTIMATED COST \$ 6,246,360 TOTAL PROJECT \$ 85,000,000

INSTALLATION BEGUN OPERATION SUMMER 1983

RECOMMENDATION Approval/with ASSIGNED PERMIT NUMBER 693-A  
Conditions

AIR CODE X SIP X PSD \_\_\_\_\_ NSPS X NESHAPS \_\_\_\_\_

REVIEWED BY MAP APPROVED BY JDW DATE APPROVED 10/1/82

SPECIFIC CONDITIONS

1. Operation of this plant shall be limited to 7344 hours (306 days) per year. Records sufficiently detailed to determine the hours of operation will be kept.
2. Emission and operations will be monitored as required by Subpart AA of the New Source Performance Standards (NSPS). Also, during compliance testing, a maximum allowable pressure drop across the baghouse will be established. MacSteel will install, operate, and maintain a continuous monitor to measure this pressure drop.
3. In the event that any monitor required by the NSPS and/or condition 2 should fail to operate for an extended period of time--over 48 hours--the Department shall be notified writing within five (5) working days. This notification shall include date and time of malfunction, the cause of malfunction, and estimated time the monitor will be inoperative.
4. This plant is to be considered a closed roof type; thus, section 60.272(a)(3)(iv) of the NSPS will apply. Section 60.274 will not apply.
5. All records required by the NSPS, or this permit, will be kept for at least two (2) years. They will be made available for inspection upon request.

Table I: ALLOWABLE EMISSION RATE TABLE

SOURCE	POLLUTANT	ALLOWABLE EMISSION RATE	
SN-1 Baghouse	Particulate	22.8 lb/hr	83.7 T/yr*
SN-2 Reheat Furnace	Particulate	0.45 lb/hr	1.7 T/yr*
	Carbon Monoxide	0.77 lb/hr	2.8 T/yr*
	Oxides of Nitrogen	7.9 lb/hr	29.0 T/yr*

\*Basis: 24 hours per day, six days per week, 51 weeks per year.

Table II: OPACITY LIMITS

Reheat Furnace	20%
Dust-handling Equipment	10%
Baghouse	3%
Shop(building that houses the arc furnace)	0%