

# ADEQ MINOR SOURCE AIR PERMIT

Permit #: 759-AR-7

IS ISSUED TO:

CYRO Industries  
1500 Richard Prewitt Drive  
Osceola, Arkansas 72370  
Mississippi County  
CSN: 47-0194

THIS PERMIT IS YOUR AUTHORITY TO CONSTRUCT, MODIFY, OPERATE, AND/OR MAINTAIN THE EQUIPMENT AND/OR FACILITY IN THE MANNER AS SET FORTH IN THE DEPARTMENT'S MINOR SOURCE AIR PERMIT AND YOUR APPLICATION. THIS PERMIT IS ISSUED PURSUANT TO THE PROVISIONS OF THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT (ARK. CODE ANN. SEC. 8-4-101 ET SEQ.) AND THE REGULATIONS PROMULGATED THEREUNDER, AND IS SUBJECT TO ALL LIMITS AND CONDITIONS CONTAINED HEREIN.

Signed:

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Keith A. Michaels

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Date

**SECTION I: FACILITY INFORMATION**

PERMITEE: CYRO Industries

CSN: 47-0194

PERMIT NUMBER: 759-AR-7

FACILITY ADDRESS: 1500 Richard Prewitt Drive  
Osceola, AR 72370

COUNTY: Mississippi

CONTACT POSITION: Ed Smith

TELEPHONE NUMBER: (870)563-1600

REVIEWING ENGINEER: Amanda Holloway

UTM North-South (X): Zone: 16 3953.189

UTM East - West (Y): 230.154

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## **SECTION II: INTRODUCTION**

### **Summary**

CYRO Industries (CSN:47-0194) 1500 Richard Prewitt Drive, Osceola, AR 72370 manufactures polymer pellets and sheets. This De Minimis modification will make selected typographical corrections to the existing permit, increase the fugitive VOC emissions from SN-59 by 0.2 tpy to reflect “as built” conditions, reduce emissions of PM/PM<sub>10</sub> from SN-56 due to the addition of a baghouse, and include the new acrylic pellet forming equipment in the list of insignificant activities per Regulation 19, Appendix A, Group A, No. 13.

### **Process Description**

#### Pellet Forming Operation

Methacrylic and acrylic monomers are received and stored in tanks outside of the production building. The materials are transferred to the production portion of the facility as needed and combined with portions of catalysts and other additives. The monomer solutions are then by pumped to a reactor where, under controlled conditions acrylic pellets are formed. The resulting solution is fed to a devolatilizer extruder where the unreacted monomers are removed then recycled back into the process. Molten polymer is transferred through a strand die, cooled, cut into pellets then conveyed to one of eleven storage silos for future packaging and shipment to the customer, or fed to the sheet manufacturing process.

#### Sheet Manufacturing

Pellets are melted and the molten polymer is extruded through a large slit die into a ribbon of hot plastic. Then the molten material passes through a series of water cooled rollers which flatten it into a uniform sheet. The acrylic sheet then goes through another series of rollers to complete the cooling. The finished sheet is masked, cut to specific sizes, stacked, labeled, and packaged for shipping.

### **Regulations**

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This facility is subject to the following regulations:

Regulation 18, Arkansas Air Pollution Control Code.

Regulation 19, Regulations of The Arkansas Plan of Implementation for Air Pollution Control.

40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

This facility is not subject to the following regulation:

40 CFR 60, Subpart Ka, Standards of Performance for Petroleum Liquid Storage Vessels for Which Construction or Modification Commenced after July 23, 1984; bulk storage tanks are not subject to this subpart because the capacities are less than 151m<sup>3</sup>.

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The following table is a summary of the facility's total emissions:

TOTAL ALLOWABLE EMISSIONS		
Pollutant	Emission Rates	
	lb/hr	tpy
PM	4.3	11.7
PM <sub>10</sub>	4.3	11.7
SO <sub>2</sub>	7.9	3.9
VOC	4.1	12.1
CO	38.2	52.2
NO <sub>x</sub>	119.5	30.7
Single HAP	1.9	7.9
Combination HAP	2.2	9.4

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**SECTION III: PERMIT HISTORY**

<b>Permit Date</b>	<b>Permit Number</b>	<b>Description</b>
10 May 2001	759-AR-6	<ul style="list-style-type: none"><li>• Added back-up emission control system, new oxidizer (SN-49) to control HAP emissions.</li><li>• Added another baghouse (SN-58) to be in series with two cyclones.</li><li>• Removed emission two emission points (SN-33 and SN-34) with the addition of the new baghouse.</li><li>• Removed the carbon absorbers (SN-57).</li><li>• Permitted emissions for methyl methacrylate (HAP) increased 0.8 tpy (from 6.5 tpy to 7.3 tpy).</li></ul>
15 Jan 1999	759-AR-5	<ul style="list-style-type: none"><li>• Added a sheet line (SN-50 through SN-57).</li><li>• Routed previous points (SN-17 through SN-20) to SN-51</li><li>• Added a thermal oxidizer (SN-51).</li><li>• Criteria Pollutants increased.</li><li>• Methyl methacrylate (HAP) emissions to be reduced from 8.5 tpy to 6.5 tpy.</li><li>• Ethyl Acrylate (HAP) increased from 1.0 tpy to 1.5 tpy.</li></ul>
4 Apr 1998	759-AR-4	<ul style="list-style-type: none"><li>• Allowed the installation and use of two 1,500 KW diesel generators, a diesel storage tank with a capacity of less than 10,000 gallons.</li><li>• Corrected emission rates based upon a better understanding of the pollutants allowed the methyl methacrylate emissions to be reduced from 24.6 tpy to 8.5 tpy.</li></ul>

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<b>Permit Date</b>	<b>Permit Number</b>	<b>Description</b>
16 May 1995	759-AR-3	<ul style="list-style-type: none"><li>• Added a condenser and carbon bed to the vent of the methyl methacrylate bulk storage tank(SN-01) to meet NSPS.</li><li>• Added a new sheet manufacturing line (SN-28, SN-30, SN-32, SN-34, SN-45).</li><li>• Furnace exhaust in the pellet drying area vented to the atmosphere through SN-43 and SN-44.</li><li>• Additional combustion products (SN-05, SN-31, N-32, SN-43, and SN-44).</li></ul>
19 Sep 1989	759-AR-2	<ul style="list-style-type: none"><li>• SN-21 is deleted with emissions routed to SN-20 (No.1 condensate tank).</li><li>• Add die Hood vent (SN-41).</li><li>• No emission increase.</li></ul>
3 Jan 1989	759-AR-1	<ul style="list-style-type: none"><li>• Added a color line.</li><li>• Added a conveying system.</li><li>• Added a monomer recovery system.</li></ul>
25 July 1985	759-A	Permit for authority to construct.

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**SECTION IV: EMISSION UNIT INFORMATION**

**Specific Conditions**

1. Pursuant to §19.501 et seq of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control, effective February 15, 1999 (Regulation 19) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table.

SN	Description	Pollutant	lb/hr	tpy
01	Bulk Storage Tank # 1	VOC <sup>(1)</sup>	0.1	0.1
02	Bulk Storage Tank # 2	VOC <sup>(1)</sup>	0.1	0.1
03	Bulk Storage Tank # 3	VOC <sup>(1)</sup>	0.1	0.1
05	Oil Heater Stack	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.1	0.4
		CO	0.8	3.5
		NO <sub>x</sub>	1.1	4.9
19	Bulk Storage Tank	Emissions routed to SN-49		
22	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
27	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
28	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
29	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
30	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
31	Vacuum Vent Sheet #1	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.2	1.0
		CO	1.4	6.2
		NO <sub>x</sub>	0.1	0.5



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SN	Description	Pollutant	lb/hr	tpy
32	Vacuum Vent Sheet #2	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.2	1.0
		CO	1.4	6.2
		NO <sub>x</sub>	0.1	0.5
35	Conveying System Vent	PM <sub>10</sub>	0.2	0.9
42	Color conveying Vent	PM <sub>10</sub>	0.4	1.9
45	Conveying System <sup>(2)</sup> Vent	No Emissions		
47	Diesel Elec. Genr.#1 <sup>(3)</sup>	PM <sub>10</sub>	1.0	0.2
		SO <sub>2</sub>	3.6	0.6
		VOC	1.0	0.2
		CO	13.6	1.9
		NO <sub>x</sub>	58.4	9.2
48	Diesel Elec. Genr.#1	PM <sub>10</sub>	1.0	0.2
		SO <sub>2</sub>	3.6	0.6
		VOC	1.0	0.2
		CO	13.6	1.9
		NO <sub>x</sub>	58.4	9.2
49	Seal Pot Vent #1 (New Oxidizer)	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.2	0.9
		CO	2.6	11.4
		NO <sub>x</sub>	0.1	0.5
50	Oil Heater Stack	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.1	0.4
		CO	0.8	3.5
		NO <sub>x</sub>	1.1	4.9

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SN	Description	Pollutant	lb/hr	tpy
51	Seal Pot Vent (pellet Making) (Existing Oxidizer)	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.2	0.9
		CO	2.6	11.4
		NO <sub>x</sub>	0.1	0.5
52	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
53	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
54	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
55	Vacuum Vent (Sheet Line 3)	PM <sub>10</sub>	0.1	0.5
		SO <sub>2</sub>	0.1	0.5
		VOC	0.2	1.0
		CO	1.4	6.2
		NO <sub>x</sub>	0.1	0.5
56	Conveying System Baghouse	PM <sub>10</sub>	0.1	0.5
58	Conveying System Vent	PM <sub>10</sub>	0.1	0.5
59	Fugitive	VOC	1.0	4.4

1. VOC totals include HAPs.
2. Spare transfer system for sheet line #2. Only two of the three systems will operate at any one time (SN-28, SN-30, SN-45).
3. Emissions based on a maximum of 31,740 gallons of fuel per generator per year.

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2. Pursuant to §18.801 of the Arkansas Air Pollution Control Code, effective February 15, 1999 (Regulation 18) and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not exceed the emission rates set forth in the following table:

SN	Description	Pollutant	lb/hr	tpy
01	Bulk Storage Tank # 1	Methyl <sup>(1)</sup> Methacrylate	0.1	0.1
02	Bulk Storage Tank # 2	Methyl <sup>(1)</sup> Acrylate	0.1	0.1
03	Bulk Storage Tank # 3	Methyl <sup>(1)</sup> Methacrylate	0.1	0.1
05	Oil Heater Stack	PM	0.1	0.5
19	Bulk Storage Tank	Emissions routed to SN-49		
22	Conveying System Vent	PM	0.1	0.5
27	Conveying System Vent	PM	0.1	0.5
28	Conveying System Vent	PM	0.1	0.5
29	Conveying System Vent	PM	0.1	0.5
30	Conveying System Vent	PM	0.1	0.5
31	Vacuum Vent Sheet #1	PM	0.1	0.5
		Methyl <sup>(1)</sup> Methacrylate	0.1	0.5
		Ethyl <sup>(1)</sup> Acrylate	0.1	0.5
32	Vacuum Vent Sheet #2	PM	0.1	0.5
		Methyl <sup>(1)</sup> Methacrylate	0.1	0.5
		Ethyl <sup>(1)</sup> Acrylate	0.1	0.5
35	Conveying System Vent	PM	0.2	0.9

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SN	Description	Pollutant	lb/hr	tpy
42	Color conveying Vent	PM	0.4	1.9
45	Conveying System <sup>(2)</sup> Vent	No Emissions		
47	Diesel Elec. Genr.#1 <sup>(3)</sup>	PM	1.0	0.2
48	Diesel Elec. Genr.#1	PM	1.0	0.2
49	Seal Pot Vent #1	PM	0.1	0.5
		Methyl <sup>(1)</sup> Methacrylate	0.2	0.9
50	Oil Heater Stack	PM	0.1	0.5
51	Seal Pot Vent (pellet Making)	PM	0.1	0.5
		Methyl <sup>(1)</sup> Methacrylate	0.2	0.9
52	Conveying System Vent	PM	0.1	0.5
53	Conveying System Vent	PM	0.1	0.5
54	Conveying System Vent	PM	0.1	0.5
55	Vacuum Vent (Sheet Line 3)	PM	0.1	0.5
		Ethyl Acrylate	0.1	0.5
		Methyl <sup>(1)</sup> Methacrylate	0.1	0.5
56	Conveying System Baghouse	PM	0.1	0.5
58	Conveying System Vent	PM	0.1	0.5
59	Fugitive	Methyl <sup>(1)</sup> Methacrylate	1.0	4.4

1. VOC totals include HAPs.

2. Spare transfer system for sheet line #2. Only two of the three systems will operate at any one time (SN-28, SN-30, SN-45).

3. Emissions based on a maximum of 31,740 gallons of fuel per generator per year.

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3. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, visible emissions shall not exceed the limits specified in the following table of this permit as measured by EPA Reference Method 9.

SN	Limit	Regulatory Citation
01, 02, 03	NA	
05	5%	18.501
22	5%	18.501
27, 28, 29 30, 31, 32, 35	5%	18.501
42	5%	18.501
45	No Emissions	
47, 48	20%	19.503
49, 50, 51, 52, 53, 54, 55, 56	5%	18.501
57	NA	
58	5%	18.501

4. Pursuant to §18.801 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not cause or permit the emission of air contaminants, including odors or water vapor and including an air contaminant whose emission is not otherwise prohibited by Regulation #18, if the emission of the air contaminant constitutes air pollution within the meaning of A.C.A. §8-4-303.
5. Pursuant to §18.901 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall not conduct operations in such a manner as to unnecessarily cause air contaminants and other pollutants to become airborne.
6. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the oil heater (SN-05) shall only use natural gas as a fuel. The oil heater shall not consume more than 78.84 MMcf per rolling twelve month period of natural gas.
7. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the oil heater (SN-50) shall only use natural gas as a fuel. The oil heater shall not

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consume more than 78.84 MMcf per rolling twelve month period of natural gas.

8. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the generator (SN-47) shall only use diesel fuel. The generator shall not consume more than 31,000 gallons per rolling twelve month period.
9. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the generator (SN-48) shall only use diesel fuel. The generator shall not consume more than 31,000 gallons per rolling twelve month period.
10. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the sulfur content of the diesel fuel shall not exceed 0.6 % sulfur. Compliance shall be demonstrated by vendor certification for maximum sulfur content of the purchased fuel.
11. Pursuant to §19.705 of Regulation 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain monthly records which demonstrate compliance with Specific Condition #6, #7, #8, #9, and #10. Records shall be updated by the fifteenth day of the month following the month to which the records pertain. These records shall be kept on site, and shall be made available to Department personnel upon request.
12. Pursuant to §19.304 of Regulation 19 and to NSPS 40 CFR 60 Subpart Kb §60.116b, records shall be readily accessible for SN-01, SN-02, SN-03, and SN-19 to Department personnel. The records shall show the dimensions of the storage vessel and the calculations for the capacity of the storage vessel. These records shall be kept on site for the life of the source, and shall be made available to Department personnel upon request. Below is a table showing the current status of the storage capacities and reporting requirements.

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Tank Size, Vapor Pressure Recording, and Reporting

Tank	> than (m <sup>3</sup> )	< than (m <sup>3</sup> )	Min VP (kPa)	Max VP (kPa)	Rcrd Keeping per §60.116b (b)/(c)		Report
					Contents	Volume	
SN-01		75			No	Yes	No
SN-02	40	151		14.9	No	Yes	No
SN-03		75			No	Yes	No
SN-19		75			No	Yes	No

13. Pursuant to §19.705 of Regulation 19, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, The permittee shall maintain a record for two years of the VOC stored in SN-01 and the maximum true vapor pressure of that VOC. The maximum true vapor pressure is to be determined using one of the options detailed in §60.116b (e)(3).
14. Pursuant to §18.1004 of Regulation 18, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, The permittee shall not exceed a maximum of 100 turnovers in SN-01 (bulk storage tank one), 100 turnovers in SN-02 (bulk storage tank two), and 30 turnovers in SN-03 (bulk storage tank three) per consecutive twelve month period. Monthly records of the number of turnovers per tank shall be maintained on site and made available to Department personnel upon request.
15. Pursuant to §19.6(a) of Regulation 19, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, "Upset condition" shall be defined as exceedances of applicable emission limitations lasting more than 30 minutes, in the aggregate, during a 24-hour period. These conditions shall be handled as defined in General Condition #10 of this permit.
16. Pursuant to §19.702 of Regulation 19, and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall test the thermal oxidizing units (SN-31, SN-32, SN-49, SN-51 and SN-55) to determine the VOC destruction rate. In accordance with the facility's current testing procedures, EPA Reference Method 18 shall be used to determine the concentrations of Methyl Acrylate and Methyl Methacrylate in the inlet and outlet streams. These concentrations shall be used to calculate the destruction efficiency of the thermal oxidizers. This test shall be performed a minimum of once every five years. This test shall be performed with these units operating at or above 90% of its design capacity.



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These units shall achieve a VOC destruction rate of not less than 99%. A written report of the results of the completed tests shall be submitted to the Department within 30 days of completion of the test. Reports shall be sent to the address listed in General Condition #6.

17. Pursuant to §18.1003 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall maintain a temperature 550 °F in the catalytic oxidizers during operations. Startup and shutdown shall not be considered operations.
18. Pursuant to §18.1003 of Regulation 18 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the permittee shall install, calibrate, and maintain a continuous temperature recorder on the catalytic oxidizers used to control emissions from SN-49, SN-51, and SN-55. These records shall be maintained on site and made available to Department personnel upon request.
19. Pursuant to §19.303 of Regulation #19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, the equipment, control apparatus and emission monitoring equipment shall be operated within their design specifications as described in the permit application at all times and shall be maintained in good condition at all times. The baghouse (SN-56) shall be operated according to the vendor's specifications at all times. The baghouse shall be inspected as necessary, but not less than once per month, to insure that it is in good working condition. Maintenance records shall be kept on site at all times and shall be made available to Department personnel upon request.

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**SECTION V: INSIGNIFICANT ACTIVITIES**

The following types of activities or emissions are deemed insignificant on the basis of size, emission rate, production rate, or activity in accordance with Group A of the Insignificant Activities list found in Regulation 18 and 19 Appendix A. Insignificant activity emission determinations rely upon the information submitted by the permittee in an application dated September 27, 2001.

Description	Category
PYRO-CLEAN System	Group A, No. 13
Acrylic Pellet Forming Equipment (small extruder with emissions routed to SN-49 or SN-51)	Group A, No. 13

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## **SECTION VI: GENERAL CONDITIONS**

1. Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the sole origin of and authority for the terms or conditions are not required under the Clean Air Act or any of its applicable requirements, and are not federally enforceable under the Clean Air Act. Arkansas Pollution Control & Ecology Commission Regulation 18 was adopted pursuant to the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.). Any terms or conditions included in this permit which specify and reference Arkansas Pollution Control & Ecology Commission Regulation 18 or the Arkansas Water and Air Pollution Control Act (A.C.A. §8-4-101 et seq.) as the origin of and authority for the terms or conditions are enforceable under this Arkansas statute.
2. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall not relieve the owner or operator of the equipment and/or the facility from compliance with all applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.
3. Pursuant to §19.704 of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control (Regulation 19) and/or A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the Department shall be notified in writing within thirty (30) days after construction has commenced, construction is complete, the equipment and/or facility is first placed in operation, and the equipment and/or facility first reaches the target production rate.
4. Pursuant to §19.410(B) of Regulation 19 and/or §18.309(B) of the Arkansas Air Pollution Control Code (Regulation 18) and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, construction or modification must commence within eighteen (18) months from the date of permit issuance.
5. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, records must be kept for five years which will enable the Department to determine compliance with the terms of this permit--such as hours of operation, throughput, upset conditions, and continuous monitoring data. The records may be used, at the discretion of the Department, to determine compliance with the conditions of the permit.

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6. Pursuant to §19.705 of Regulation 19 and/or §18.1004 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any reports required by any condition contained in this permit shall be certified by a responsible official and submitted to the Department at the address below.

Arkansas Department of Environmental Quality  
Air Division  
ATTN: Compliance Inspector Supervisor  
Post Office Box 8913  
Little Rock, AR 72219

7. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, any equipment that is to be tested, unless stated in the Specific Conditions of this permit or by any federally regulated requirements, shall be tested with the following time frames: (1) Equipment to be constructed or modified shall be tested within sixty (60) days of achieving the maximum production rate, but in no event later than 180 days after initial start-up of the permitted source or (2) equipment already operating shall be tested according to the time frames set forth by the Department. The permittee shall notify the Department of the scheduled date of compliance testing at least fifteen (15) days in advance of such test. Compliance test results shall be submitted to the Department within thirty (30) days after the completed testing.
8. Pursuant to §19.702 of Regulation 19 and/or §18.1002 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall provide:
  - a. Sampling ports adequate for applicable test methods
  - b. Safe sampling platforms
  - c. Safe access to sampling platforms
  - d. Utilities for sampling and testing equipment
9. Pursuant to §19.303 of Regulation 19 and/or §18.1104 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the equipment, control apparatus and emission monitoring equipment shall be operated within their design limitations and maintained in good condition at all times.
10. Pursuant to §19.601 of Regulation 19 and/or §18.1101 of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, if the permittee exceeds an

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emission limit established by this permit, they shall be deemed in violation of said permit and shall be subject to enforcement action. The Department may forego enforcement action for emissions exceeding any limits established by this permit provided the following requirements are met:

- a. The permittee demonstrates to the satisfaction of the Department that the emissions resulted from an equipment malfunction or upset and are not the result of negligence or improper maintenance, and that all reasonable measures have been taken to immediately minimize or eliminate the excess emissions.
  - b. The permittee reports the occurrence or upset or breakdown of equipment (by telephone, facsimile, or overnight delivery) to the Department by the end of the next business day after the occurrence or the discovery of the occurrence.
  - c. The permittee shall submit to the Department, within five business days after the occurrence or the discovery of the occurrence, a full, written report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions to be taken to minimize or eliminate future occurrences, including, but not limited to, action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded, and to reduce the length of time for which said limits are exceeded. If the information is included in the initial report, it need not be submitted again.
11. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, the permittee shall allow representatives of the Department upon the presentation of credentials:
- a. To enter upon the permittee's premises, or other premises under the control of the permittee, where an air pollutant source is located or in which any records are required to be kept under the terms and conditions of this permit
  - b. To have access to and copy any records required to be kept under the terms and conditions of this permit, or the Act
  - c. To inspect any monitoring equipment or monitoring method required in this permit
  - d. To sample any emission of pollutants
  - e. To perform an operation and maintenance inspection of the permitted source

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12. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit is issued in reliance upon the statements and presentations made in the permit application. The Department has no responsibility for the adequacy or proper functioning of the equipment or control apparatus.
13. Pursuant to §19.410(A) of Regulation 19 and/or §18.309(A) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be subject to revocation or modification when, in the judgment of the Department, such revocation or modification shall become necessary to comply with the applicable provisions of the Arkansas Water and Air Pollution Control Act and the regulations promulgated thereunder.
14. Pursuant to §19.407(B) of Regulation 19 and/or §18.307(B) of Regulation 18 and A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit may be transferred. An applicant for a transfer shall submit a written request for transfer of the permit on a form provided by the Department and submit the disclosure statement required by Arkansas Code Annotated §8-1-106 at least thirty (30) days in advance of the proposed transfer date. The permit will be automatically transferred to the new permittee unless the Department denies the request to transfer within thirty (30) days of the receipt of the disclosure statement. A transfer may be denied on the basis of the information revealed in the disclosure statement or other investigation or, if there is deliberate falsification or omission of relevant information.
15. Pursuant to A.C.A. §8-4-203 as referenced by A.C.A. §8-4-304 and §8-4-311, this permit shall be available for inspection on the premises where the control apparatus is located.
16. Pursuant to A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit authorizes only those pollutant emitting activities addressed herein.
17. Pursuant to Regulation 18 and 19 and A.C.A. §8-4-203 as referenced by §8-4-304 and §8-4-311, this permit supersedes and voids all previously issued air permits for this facility.

## **APPENDIX A**

## **APPENDIX B**



## Request for PDS Invoice

Invoice Number <i>(assigned when invoice is printed)</i>	PDS-
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AFIN r	47-0194		
Name <i>(for confirmation only)</i>	CYRO Industries		
Invoice Type (pick one) r	Initial	Mod      X	Variance
	Annual	Renewal	Interim Authority
Permit Number r	759-AR-7		
Media Code (A, S, U, W) r	A		
Fee Code or Pmt Type Coder	MS		
Fee Description <i>(for confirmation only)</i>	minimum for De Minimis modification		
Amount Due r <i>(whole dollar amount only)</i>	\$ 400.00		
Printed Comment <i>(600 characters maximum)</i>			

*Note: The information below is for use by the requesting division; it will not print on the invoice.*

Engineer	Amanda Holloway
Paid? (yes/no)	
Check number	
Comments	

r **Required data** *(See "g:\Misc\PDS\_FeeCodes.wpd" for descriptions and discussions of fee codes)*

Request submitted by:	Date:
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