west virginia department of environmental protection

Division of Air Quality
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Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

December 22, 2016

CERTIFIED MAIL
91 7199 9991 7037 0977 6558

Chad Shamblin
140 West 19th Street
Nitro, WV 25143

Re: 4305 First Avenue (WV), LLC
Nitro Facility, Nitro, WV 25143
Permit No. R13-3338
Plant ID No. 079-00192

Dear Mr. Shamblin:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit R13-3338 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

The source is not subject to 45CSR30.

In accordance with 45CSR22 - Air Quality Management Fee Program, the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate (CTO). Such Certificate to Operate (CTO) shall be renewed annually, shall be maintained on the premises for which the Certificate has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1257.

Sincerely,

John Legg
Permit Writer

Enclosures

c: Rick Dosier, All Crane & Equipment Rental Corp.

rick.dosier@allcrane.com

Rick Wilson, TRC Environmental

rwilson@tresolutions. com

chad.shamblin@allcrane.com

West Virginia Department of Environmental Protection
Division of Air Quality

Earl Ray Tomblin
Governor

Randy C. Huffman
Cabinet Secretary

Permit to Construct

R13-3338

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

4305 First Avenue (WV), LLC

Nitro Annex

079-00192

William F. Durham
Director

Issued: 12/22/16

This permit does not supercede or replace an existing permit.

Facility Location:	Nitro, Putnam County, West Virginia
Mailing Address:	140 West 19th Street Nitro, WV 25143
Facility Description:	Equipment Maintenance and Repair Facility.
NAICS Codes:	811310 - Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance.
UTM Coordinates:	427.547 km Easting • 4,255.775 km Northing • Zone 17
Permit Type:	Construction

Description of Change:

Construction of a paint booth and a grit blasting booth at an existing truck and trailer service facility. New construction will allow the facility to repair and refinish mobile crane equipment.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

The source is not subject to 45CSR30.

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CERTIFICATION OF DATA ACCURACY **25**

1.0 Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
PB-1	PB-1E, PB-2E	Paint Booth	2016	34,000 cfm each stack	FIL-1
HE-1	HE-1E	Paint Booth Heater #1	2016	4.0 MM Btu/hr	None
HE-2	HE-2E	Paint Booth Heater #2	2016	4.0 MM Btu/hr	None
GB-1	GB-1E (vents inside building)	Grit Blasting Booth	2016	24,500 cfm	DC-1
HW-1	HW-1E	Hotsy Water Heater1	2016	0.6 MM Btu/hr	None
GC-1	Uncaptured Fugitive	Automatic Spray Gun Cleaner/Solvent Recycler	2016	N/A	None
VC-1	Uncaptured Fugitive	General Clean-up System Cleaning Operations	2016	N/A	None

2.0. General Conditions

2.1. Definitions

2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.

2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.

2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments
CBI	Confidential Business Information
CEM	Continuous Emission Monitor
CES	Certified Emission Statement
C.F.R. *or* CFR	Code of Federal Regulations
CO	Carbon Monoxide
C.S.R. *or* CSR	Codes of State Rules
DAQ	Division of Air Quality
DEP	Department of Environmental Protection
dscm	Dry Standard Cubic Meter
FOIA	Freedom of Information Act
HAP	Hazardous Air Pollutant
HON	Hazardous Organic NESHAP
HP	Horsepower
lbs/hr	Pounds per Hour
LDAR	Leak Detection and Repair
M	Thousand
MACT	Maximum Achievable Control Technology
MDHI	Maximum Design Heat Input
MM	Million
MMBtu/hr *or* mmbtu/hr	Million British Thermal Units per Hour
MMCF/hr *or* mmcf/hr	Million Cubic Feet per Hour
NA	Not Applicable
NAAQS	National Ambient Air Quality Standards
NESHAPS	National Emissions Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
$PM_{2.5}$	Particulate Matter less than 2.5μm in diameter
PM_{10}	Particulate Matter less than 10μm in diameter
Ppb	Pounds per Batch
pph	Pounds per Hour
ppm	Parts per Million
Ppmv or ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration
psi	Pounds per Square Inch
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
TPY	Tons per Year
TRS	Total Reduced Sulfur
TSP	Total Suspended Particulate
USEPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VEE	Visual Emissions Evaluation
VOC	Volatile Organic Compounds
VOL	Volatile Organic Liquids

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

2.4.1. This permit does not supercede or replace a previously issued permit. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Applications R13-3338, and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]

2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;

2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;

2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission

limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are not met.

2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The permitted facility was at the time being properly operated;

c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,

d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. **[45CSR§13-10.1]**

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]

3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]

3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]

3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]

3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]

3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit

and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.

c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

d. The permittee shall submit a report of the results of the stack test within sixty (60) days of completion of the test. The test report shall provide the information necessary to document the objectives of the test and to determine whether proper procedures were used to accomplish these objectives. The report shall include the following: the certification described in paragraph 3.5.1.; a statement of compliance status, also signed by a responsible official; and, a summary of conditions which form the basis for the compliance status evaluation. The summary of conditions shall include the following:

1. The permit or rule evaluated, with the citation number and language;
2. The result of the test for each permit or rule condition; and,
3. A statement of compliance or noncompliance with each permit or rule condition.

[WV Code § 22-5-4(a)(14-15) and 45CSR13]

3.4. Recordkeeping Requirements

3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State-Enforceable only.*]

3.5. Reporting Requirements

3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.

3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance Assistance
(3AP20)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

3.5.4.1. In accordance with 45CSR22 – Air Quality Management Fee Program, enclosed with this permit is an Application for a Certificate to Operate (CTO). The CTO will cover the time period beginning with the date of initial startup through the following June 30. Said application and the appropriate fee shall be submitted to this office prior to the date of initial startup. For any startup date other than July1, the permittee shall pay a fee or prorated fee in accordance with Section 4.5 of 45CSR22. A copy of this schedule may be found on the reverse side of the CTO application.

3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements [Control Devices in Section 1.0, Emission Units Table]

4.1. Limitations and Standards

4.1.1. Operation and Maintenance of Air Pollution Control Equipment. The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR §13-5.11.]

4.4. Recordkeeping Requirements

4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

a. The date, place as defined in this permit and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of the analyses; and

f. The operating conditions existing at the time of sampling or measurement.

4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.

4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

a. The equipment involved.

b. Steps taken to minimize emissions during the event.

c. The duration of the event.

d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

e. The cause of the malfunction.

f. Steps taken to correct the malfunction.

g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

5.0. Source-Specific Requirements [Paint Booth Heaters: HE-1 & HE-2; and Hotsy Water Heater HW-1]

5.1. Limitations and Standards

5.1.1. As the annual emission limits given in Table 5.1.2. are based on operating 8,760 hr/yr at a maximum design heat input capacity of 4.0 MM Btu/hr for each of the Paint Booth Heaters (HE-1 & HE-2), there are no limits on the annual hours of operation or natural gas usage for these heaters.

5.1.2. Emissions from the natural gas-fired Paint Booth Heaters (HE-1 & HE-2) shall not exceed the following limits:

Table 5.1.2.: Maximum Emission Rates for Paint Booth Heaters (HE-1 & HE-2).

Pollutant	Maximum Emission Rates			
	One (1) Heater		Two (2) Heaters	
	(lb/hr)	(tons/yr)(1)	(lb/hr)	(tons/yr)(1)
CO	0.31	1.38	0.62	2.76
NO_X	0.37	1.62	0.74	3.24

(1) Based on 8,760 hr/yr of operation.

5.1.3. As the annual emission limits given in Table 5.1.4. are based on operating 8,760 hr/yr at a maximum design heat input capacity of 0.6 MM Btu/hr for the Hotsy Water Heater (HW-1), there is no limit on the annual hours of operation or natural gas usage for this heater.

5.1.4. Emissions from the natural gas-fired Hotsy Water Heater (HW-1) shall not exceed the following limitations:

Table 5.1.4.: Maximum Emission Rates for Hotsy Water Heater (HW-1).

Pollutant	Emission Rate	
	(lb/hr)	(ton/yr)(1)
CO	0.05	0.20
NO_X	0.06	0.24

(1) Based on 8,760 hr/yr of operation.

5.1.5. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average. **[45CSR§2-3.1.]**

5.2. Monitoring Requirements

[Reserved]

5.3. Testing Requirements

See Section 3.3. Facility-Wide Testing Requirements.

5.4. Recordkeeping Requirements

[Reserved]

5.5. Reporting Requirements

[Reserved]

6.0. Source-Specific Requirements [Paint Booth (PB-1); Grit Blasting Booth (GB-1); and General Clean-up/Solvent Cleaning & Misc. Operations (VC-1)]

6.1. Limitations and Standards

6.1.1. The use of any new raw material or surface coating containing any constituent identified in Section 112(b) of the 1990 Clean Air Act Amendments as a HAP(s) and already listed in the table below shall be in accordance with items "b." through "e." below. A new raw material or surface coating containing a HAP(s) not already listed in the table shall be in accordance with items "a." through "e." below.

Table 6.1.1.: Recognized HAP(s) Used at the Facility.

Hazardous Air Pollutant (HAP)	CAS #
Cumene	98-82-8
Ethylbenzene	100-41-4
Methanol	67-56-1
Methyl Isobutyl Ketone (MIBK; Hexone; 4-Methyl-2-pentanone)	108-10-1
Naphthalene	91-20-3
Styrene	100-42-5
Toluene	108-88-3
Xylene	1330-20-7

a. The permittee shall notify the Director in writing of the raw material or surface coating to be used and the HAP(s) contained therein within thirty (30) days of the use of the raw material or surface coating. Additionally, an MSDS sheet for the raw material or surface coating shall be supplied at that time to the Director.

b. The use of the new raw material or surface coating shall be incorporated into the record keeping requirements used by the company to show compliance.

c. Emissions from the use of the new raw material or surface coating when combined with emissions from raw materials and surface coatings already in use shall not exceed:

- The facility-wide, single HAP emission limit of 10 ton/yr,
- The facility-wide, total/aggregated HAP emission limit of 25 ton/yr, and
- The hourly or annual VOC and HAP emission limitations given in Sections 6.1.3. and 6.1.6. of this permit.

d. For the purposes of this permit, surface coating shall be defined as a material applied onto, or impregnated into, a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, stains, thinners, solvents, sealers, varnishes, paints, primers, catalysts, acrylics, lacquers, and temporary protective coatings, or combinations of the above materials as applied.

e. For the purposes of this permit, raw material shall be defined as a purchased material other than a surface coating used in a process operation at the facility to produce a finished product. Such materials include, but are not limited to, putty, body fillers and pastes.

6.1.2. All emissions from Paint Booth (PB-1) shall be vented through the Paint Booth Filter System (FIL-1) having a minimum PM_{10} control efficiency of 98.8%. The filter system (FIL-1) shall be in place, properly maintained and functioning before the Paint Booth (PB-1) is placed into operation.

6.1.3. PM_{10}, VOC and HAP emissions from the Paint Booth [PB-1; Emission Point IDs for two (2) stacks: PB-1E and PB-2E] shall not exceed the following limitations:

Table 6.1.3.: PM_{10}, VOC & HAP Emission Rates from Paint Booth (PB-1).

Emission Point ID (2 Stacks)	Emission Rate					
	PM_{10} (1)		VOC		Total HAP(s)	
	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
PB-1E	0.10	0.04	10.96	4.0	1.74	0.64
PB-2E	0.10	0.04	10.96	4.0	1.74	0.64
Total (Both Stacks)	0.20	0.08	21.92	8.0	3.48	1.28

(1) Controlled PM_{10} emissions after Paint Booth Filter System (FIL-1).

6.1.4. PM_{10} emissions from the Grit Blasting Booth (GB-1) shall be vented through the Grit Blasting Booth Dust Collector (DC-1) having a minimum control efficiency of 99.99%. The Grit Blasting Booth Dust Collector (DC-1) shall be in place, properly maintained and functioning before the Grit Blasting Booth (GB-1) is placed into operation.

6.1.5. PM_{10} emissions from the Grit Blasting Booth Dust Collector (DC-1) shall be vented inside the building and shall not exceed 0.01 lb/hr and 0.01 ton/yr.

6.1.6. Emissions from General Clean-up/Solvent Cleaning & Misc. Operations (VC-1) shall not exceed 2.4 ton/yr of VOC and 0.48 ton/yr Total HAP(s). This includes body work using putty, body fillers and pastes, spray gun cleaning/solvent recycling, parts cleaning, and general solvent clean-up.

6.1.7. The permittee has agreed to:

- not use coatings that contain any of the following target HAP metals: lead, chromium, manganese, nickel, or cadmium.

- not perform paint stripping operations that involve the use of chemical strippers that contain methylene chloride in paint removal processes.

6.1.8. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any process source operation which is greater than twenty (20) percent opacity, except as noted in subsections 3.2, 3.3, 3.4, 3.5, 3.6, and 3.7.
[45CSR §7-3.1.]

6.1.9. No person shall cause, suffer, allow or permit any manufacturing process or storage structure generating fugitive particulate matter to operate that is not equipped with a system, which may include, but not be limited to, process equipment design, control equipment design or operation and maintenance procedures, to minimize the emissions of fugitive particulate matter. To minimize means such system shall be installed, maintained and operated to ensure the lowest fugitive particulate matter emissions reasonably achievable.
[45CSR §7-5.1.]

6.1.10. At such reasonable times as the Director may designate, the operator of any manufacturing process source operation may be required to conduct or have conducted stack tests to determine the particulate matter loading in exhaust gases. Such tests shall be conducted in such manner as the Director may specify and be filed on forms and in a manner acceptable to the Director. The Director, or his duly authorized representative, may at his option witness or conduct such stack tests. Should the Director exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment and the required safety equipment such as scaffolding, railings and ladders to comply with generally accepted good safety practices.
[45CSR §7-8.1.]

6.1.11. The Director, or his duly authorized representative, may conduct such other tests as he or she may deem necessary to evaluate air pollution emissions.
[45CSR §7-8.2.]

6.1.12. Due to unavoidable malfunction of equipment, emissions exceeding those set forth in this rule may be permitted by the Director for periods not to exceed ten (10) days upon specific application to the Director. Such application shall be made within twenty-four (24) hours of the malfunction. In cases of major equipment failure, additional time periods may be granted by the Director provided a corrective program has been submitted by the owner or operator and approved by the Director.
[45CSR §7-9.1.]

6.2. Monitoring Requirements

6.2.1. **Paint Booth (PB-1) Opacity Monitoring**. For the purpose of determining compliance with the PM_{10} emission limits set forth in Section 6.1.3. and the opacity limit set forth in Section 6.1.8. (per 45CSR7-3.1), the permittee shall conduct visible emission checks and/or opacity monitoring and recordkeeping for the Paint Booth (PB-1; PB-1E & PB-2E).

The visible emission checks shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.

Visible emission checks shall be conducted for the Paint Booth (PB-1; PB-1E & PB-2E) at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal facility operation and appropriate weather conditions.

If visible emissions are present at the Paint Booth (PB-1; PB-1E & PB-2E) for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that source using the procedures and requirements of Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.

6.3. Testing Requirements

[Reserved]

6.4. Recordkeeping Requirements

6.4.1. **Daily, Monthly, and Annual Records for the Paint Booth (PB-1) Operation.** For the purpose of determining compliance with the VOC and HAP emission limitations set forth in Section 6.1.3. of this permit, the permittee shall keep daily records of:

- the date and time/duration in hours the paint booth was in operation,
- the name(s) and/or the identification number(s), and amount(s) of each coating used,
- the name(s) and/or the identification number(s), and amount(s) of each thinner/solvent used for cleanup or added to coating(s) that were used.

Using the above information, the permittee shall calculate and record on a monthly basis:

1. Total monthly VOC and HAP emissions,
2. Average hourly VOC and HAP emission rates (based on the number of hours the paint booth was in operation for the month), and
3. The 12-month rolling totals for VOC and HAP emissions.

These records shall be maintained on-site for a period of not less than three (3) years and shall be made available to the Director or his duly authorized representative upon request.

6.4.2. **Monthly Opacity Reading For Paint Booth (PB-1).** For the purpose of demonstrating compliance with the PM_{10} emission limits set forth in Section 6.1.3. and the opacity limit set forth in Section 6.1.8. (per 45CSR7-3.1), the permittee shall maintain records (see example form given in attached Appendix A) of all monitoring data documenting the date and time of each visible emission check, the emission point or equipment/source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6-10 mph NE wind) during the visual emission check(s). Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall be maintained per the requirements of Method 9. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.

6.4.3. **Paint Booth Filter (FIL-1) Replacement.** For the purpose of determining compliance with the PM_{10} limitations set forth in Section 6.1.3. of this permit, the permitted facility shall keep a record of when the Paint Booth Filters (FIL-1) were replaced.

These records shall be maintained on-site for a period of not less than three (3) years and shall be made available to the Director or his duly authorized representative upon request.

6.4.4. **Grit Blasting Booth Dust Collector (DC-1) Cartridge Replacement.** For the purpose of determining compliance with the PM_{10} control requirements and limitations set forth in Sections 6.1.4. and 6.1.5. of this permit, the permittee shall keep a record of when the Grit Blasting Booth Dust Collector (DC-1) filter cartridges were replaced.

These records shall be maintained on-site for a period of not less than three (3) years and shall be made available to the Director or his duly authorized representative upon request.

6.4.5. **Daily, Monthly, and Annual Records for the General Clean-up/Solvent Cleaning & Misc. Operations (VC-1).** For the purpose of determining compliance with the VOC and HAP emission limitations set forth in Section 6.1.6. of this permit, the permittee shall keep daily records of:

- the name(s) and/or the identification number(s), and amount(s) of each raw material, solvent, coating, etc. emitting VOC(s), and
- the estimated monthly usage of each raw material, solvent, coating, etc. emitting VOC(s).

Using the above information, the permittee shall calculate and record on a monthly basis:

1. Total monthly VOC and HAP emissions, and
2. The 12-month rolling totals for VOC and HAP emissions.

These records shall be maintained on-site for a period of not less than three (3) years and shall be made available to the Director or his duly authorized representative upon request.

6.4.6. **Facility HAP Emissions.** If actual facility VOC emissions should exceed 10 ton/yr:

For the purpose of determining compliance with the HAP emission limitations set forth in Section 6.1.1. of this permit, the permittee shall calculate on a monthly basis using information collected from the Paint Booth (PB-1) and the General Clean-up/Solvent Cleaning & Misc. Operations (VC-1), the 12-month rolling HAP emission totals for:

- each single HAP actually used at the facility and
- the aggregated HAPs emission total for the facility.

These records shall be maintained on-site for a period of not less than three (3) years and shall be made available to the Director or his duly authorized representative upon request.

6.5. Reporting Requirements

6.5.1. Per Section 6.1. of this permit:

The permittee shall notify the Director in writing of any new raw material or surface coating containing any new HAP(s) within thirty (30) days of using the new raw material or surface coating. A MSDS sheet for the new raw material or surface coating shall be included with the notice to the Director.

APPENDIX A

Example Form
Monthly Opacity Record

Date of Observation: _____
Data Entered by: _____
Reviewed by: _____
Date Reviewed: _____
Describe the General Weather Conditions:

Stack ID/Vent ID/ Emission Point ID	Stack/Vent/Emission Point Description	Time of Observation	Visible Emissions? Yes/No	Consecutive Months of Visual Emissions	Comments

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature[1] _____ _____
(please use blue ink) Responsible Official or Authorized Representative Date

Name and Title _____ _____
(please print or type) Name Title

Telephone No._____ Fax No. _____

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[1] This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:

a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:

(I) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars), or

(ii) the delegation of authority to such representative is approved in advance by the Director;

b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;

c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or

d. The designated representative delegated with such authority and approved in advance by the Director.