



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** CERTIFIED MAIL
HAMILTON COUNTY
Application No: 14-03757

DATE: 1/18/2001

Valley Asphalt Corp
Dan Crago
11641 Mosteller Rd
Cincinnati, OH 452411520

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

HCDES



**Permit To Install
Terms and Conditions**

**Issue Date: 1/18/2001
Effective Date: 1/18/2001**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-03757

Application Number: **14-03757**
APS Premise Number: **1431453448**
Permit Fee: **\$0**
Name of Facility: **Valley Asphalt Corp**
Person to Contact: **Dan Crago**
Address: **11641 Mosteller Rd
Cincinnati, OH 452411520**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**8240 Glendale-Milford Rd
Camp Dennison, OHIO**

Description of modification:

Modification to PTI #14-03757 issued 5/6/1996, located at 8240 Glendale-Milford Rd, Camp Dennison, OH, to modify Air Emission Summary due to administrative error.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: **1431453448**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

5

Valley Asphalt Corp

PTI Application: 14-03757

Modification Issued: 1/18/2001

Facility ID: **1431453448**

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: **1431453448**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Valley Asphalt Corp** located in **HAMILTON** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Piles

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Maintenance of aggregate in a moist condition and minimize or eliminate fugitive visible emissions.</u>
P901	300 tons per hour Conventional Asphaltic Concrete Plant #20	Use of knock-out plenum and fabric filter for control of particulate emissions; production limitations; maintenance of aggregate in a moist condition; visible emission limitations; and emission limitations.	
F002	Aggregate Storage		

Valley Asphalt Corp
 PTI Application: 14-03757
 Modification Issued: 1/18/2001

Facility ID: 1431453448

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
				Permit Allowable Mass Emissions and/or Control/Usage Requirements
Applicable Federal & OAC Rules	3745-15-07			
	3745-17-07			
	3745-17-08(B)	0.04 gr/dscf PM		
	3745-31-05	14.85 lbs/hr PM (stack and fugitive)		
3745-15-07		14.4 lbs/hr PM ₁₀ (stack and fugitive)		
3745-17-07(A)&(B)		10.35 lbs/hr PM from fabric filter stack		
3745-17-08(B)		72.0 lbs/hr SO ₂		
3745-17-11		51.0 lbs/hr NO _x		
3745-31-05		13.8 lbs/hr OC		
3745-58-50 and 40 CFR Part 60 Subpart I		20.7 lbs/hr CO		
		0.035 lb/hr Arsenic		
		0.023 lb/hr Cadmium		
		0.071 lb/hr Chromium		
		0.071 lb/hr PCB		
		0.007 lb/hr Mercury		
		0.473 lb/hr Lead		
		0.051 lb/hr Total Halogens		
		5.93 lbs/hr PM		
		2.08 lbs/hr PM ₁₀		

Valley Asphalt Corp
 PTI Application: 14-03757
 Modification Issued: 1/18/2001

Facility ID: 1431453448

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Organic Compound	11.5
PM	17.72
SO ₂	60.0
NO _x	42.5
CO	17.25
PM ₁₀	13.87
Arsenic	0.029
Cadmium	0.02
Chromium	0.059
Lead	0.394
PCB	0.059
Total Halogen	0.015
Mercury	0.006

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source</u> <u>Number</u>	<u>Source</u> <u>Description</u>	Concrete Plant
P901	Conventional Asphaltic	

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

NSPS
Regulation
(Subpart)

I

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and Hamilton County Dept. of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219-2660

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: **1431453448**

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutant(s):

<u>Source</u>	<u>Pollutant(s)</u>
P901	PM

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Hamilton County Dept. of Environmental Services, 250 William Howard Taft Road, Cincinnati, Ohio 45219-2660.

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Hamilton County Dept. of Environmental Services, 250 William

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

Howard Taft Road, Cincinnati, Ohio 45219-2660.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. This Permit to Install (PTI) modification shall supersede PTI 14-2291 only for emission units P901, Conventional Asphaltic Concrete Plant No. 20, and F002, Aggregate Storage Piles.
2. Best Available Technology (BAT) for the asphaltic concrete plant consists of the use of a knock-out plenum and fabric filter baghouse to control particulate emissions from the dryer stack exhaust, an annual asphalt production limit, maintenance of the aggregate in a moist condition, the limitation of visible emissions from any plant stack and compliance with the New Source Performance Standards contained in 40 CFR Part 60 Subpart I.
3. The maximum particulate emissions from the fabric filter stack shall not exceed 0.04 grains per dry standard cubic foot and 10.35 pounds per hour.
4. The maximum asphaltic concrete production from this plant shall not exceed 300 tons per hour and 500,000 tons per year based on a rolling 12-month total.
5. The use of recycled asphalt product (RAP) shall be limited to 50 percent for surface, base, and intermediate mixes.
6. This facility shall not cause or allow the discharge into the ambient air from any stack associated with the Asphaltic Concrete Plant any air contaminant of a shade or density greater than 10% opacity.
7. All sand and aggregate storage piles shall contain sufficient moisture so as to minimize or eliminate visible

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

emissions caused by wind erosion.

During the unloading onto or removal from the sand and aggregate storage piles, the drop height of the front-end loader shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust.

There shall be no visible particulate emission from the material storage piles except for a period of time not to exceed one minute during any sixty-minute observation period.

8. Annual total production of asphalt shall not exceed 500,000 tons per year. In order to ensure federal enforceability for the first twelve months of operation, Valley Asphalt shall not exceed the following production levels:

<u>Month</u>	<u>Production</u>
1-6	250,000 tons
1-7	291,666.9 tons
1-8	333,333.6 tons
1-9	375,000.3 tons
1-10	416,667.0 tons
1-11	458,333.7 tons
1-12	500,000 tons

After the first 12 months of operation, compliance with the annual production limitation shall be based upon a rolling 12-month total.

9. This facility shall maintain monthly records of the total amount of asphalt produced. After the first 12 calendar months of operation following the issuance of this permit, the facility shall also record the rolling 12-month production total for each month. These records and all supporting data shall be retained in the company's files for a period of not less than five years and shall be made available to the Director, or any authorized representative of the Director during normal business hours.

This facility shall submit quarterly reports indicating any exceedances of the above-mentioned production limits along with the cause of the exceedance and corrective action taken to prevent further exceedances. Also, for the first 12 calendar months of operation, the quarterly reports shall include the total amount of asphalt produced during each calendar month. For each calendar month after the first 12 calendar months of operation, the quarterly reports shall include the rolling 12-month asphalt production total. These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the previous three calendar months.

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

10. All recycled, used oil burned in this emission unit (P901) shall meet the following specifications:

<u>Contaminant/Property</u>	<u>Allowable Specification</u>
Arsenic	5 ppm, maximum
Cadmium	3.33 ppm, maximum
Chromium	10 ppm, maximum
Lead	67 ppm, maximum
PCB's	10 ppm, maximum
Total Halogens	4000 ppm, maximum
Mercury	1 ppm, maximum
Flash Point	100 °F, minimum
Heat Content	135,000 BTU/gallon, minimum

*Some or all of these used oil specifications exceed the Resource Conservation & Recovery Act standards of 40 CFR Part 266.40 and OAC Rule 3745-58-50, thereby, making the used oil off-specification.

The used oil shall not corrode steel at a rate greater than one fourth of an inch per year at a temperature of 55 degrees C (130 degrees F).

11. Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC Rule 3745-58-50. Therefore, this facility may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 CFR Part 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.
12. This facility may not receive or burn any used oil which does not meet the specifications listed in this permit without first obtaining a permit to install that authorizes the burning of such used oil.
13. This facility shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
- date of shipment or delivery;
 - quantity of used oil received;
 - the BTU value of the used oil;
 - the flash point of the used oil;
 - the arsenic content;
 - the cadmium content;
 - the chromium content;
 - the lead content;
 - the PCB content;
 - the total halogen content; and,

Valley Asphalt Corp
PTI Application: 14-03757
Modification Issued: 1/18/2001

Facility ID: 1431453448

k. the mercury content.

Each analysis shall be kept for a minimum of three (3) years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the process employing the used oil as fuel, or of any storage tanks at this facility.

Additionally, this facility shall provide a plan for documenting that the used oil does not contain any hazardous waste as specified under 40 CFR Parts 261 and 279.

14. The facility shall notify the United States Environmental Protection Agency and the Ohio EPA that the used oil being burned exceeds used oil specifications.

Before this facility accepts the first shipment of off-specification used oil from a marketer, this facility must provide the marketer a one-time written and signed notice certifying that:

- a. the facility has notified U.S. EPA of its used oil management activities and that the notice included the location and description of those activities; and,
- b. the facility will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 279.

A copy of each certification notice that this facility sends to a marketer must be kept on file for a minimum of three years from the date it last received off-specification used oil from that marketer.

The facility shall also submit a copy of each certification notice to the Ohio EPA field office.

15. The fugitive emissions were calculated using the Ohio EPA Reasonably Available Control Measures manual.