



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
BUTLER COUNTY  
Application No: 14-04871**

**CERTIFIED MAIL**

**DATE:** April 5, 2000

Don S Cisle Contractor Inc  
Duane Walker  
1714 Fairgrove Ave  
Hamilton, OH 45011

	TOXIC REVIEW
	PSD
Y	SYNTHETIC MINOR
	CEMS
	MACT
I	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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 Director's 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**

**Issue Date: April 5, 2000**

**Terms and Conditions**

**Effective Date: April 5, 2000**

**FINAL PERMIT TO INSTALL 14-04871**

Application Number: 14-04871

APS Premise Number: 1409080017

Permit Fee: **\$1000**

Name of Facility: Don S Cisle Contractor Inc

Person to Contact: Duane Walker

Address: 1714 Fairgrove Ave  
Hamilton, OH 45011

Location of proposed air contaminant source(s) [emissions unit(s)]:

**510 Augspurger Rd  
New Miami, Ohio**

Description of proposed emissions unit(s):

**300 TPG drum mix asphalt plant.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

\_\_\_\_\_  
Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### **3. Records Retention Requirements**

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### **4. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

**9. Construction of New Sources(s)**

The proposed emissions unit(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 emissions unit(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 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 prove to be inadequate or cannot meet applicable standards.

**10. 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.

**11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**12. 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.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(s) covered by this permit.

**14. 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.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	13.8
PM-10	8.8
CO	93.5
NOx	8.3
SO2	1.4
OC	14

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P902 - 300 TPH Drum Mix Asphalt Plant with Fabric Filter - entire plant	OAC rule 3745-31-05(A)(3)	9.1 lbs PM/hr from stack emissions  3.6 lbs PM-10/hr from stack emissions  6 lbs/hr PM/PM-10 from fugitive emissions  5.5 TPY PM/PM10 from fugitive emissions.  102 lbs CO/hr 9 lbs NO <sub>x</sub> /hr, 8.3 TPY* NO <sub>x</sub> 1.5 lbs SO <sub>2</sub> /hr, 1.4 TPY* SO <sub>2</sub> 15.3 lbs OC/hr, 14 TPY* OC  There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
	OAC rule 3745-31-05(D)	See term A.2.b  8.3 TPY* PM from stack emissions 3.3 TPY* PM-10 from stack emissions 93.5 TPY* CO  See term B.2

\* The TPY emission limitations are based on a rolling, 12-month

40 CFR Part 60 Subpart I	summation. 0.04 grain per dry standard cubic foot of exhaust gases.
OAC rule 3745-17-07(A)	The emissions limitations established by this rule are less stringent than those established by OAC rule 3745-31-05(A)(3) (BAT).
OAC rule 3745-17-07(B)	Visible particulate emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.
OAC rule 3745-17-08(B)	The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the elevator loading area.  The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.
OAC rule 3745-17-11	The emissions limitations established by this rule are less stringent than those established by OAC rule 3745-31-05(A)(3) (BAT).

**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, production limitations and use of a fabric filter.
- 2.b** Visible particulate emissions from any stack associated with emissions unit P902 shall be less than or equal to 10% opacity, as a six-minute average, except as provided by rule.

- 2.c** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- 2.d** The hourly emission limitations outlined in term A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

**B. Operational Restrictions**

- 1. The pressure drop across the fabric filter shall be maintained within a range of 2 inches of water to 7 inches of water while the emissions unit is in operation.
- 2. The maximum annual asphalt production rate for this emissions unit shall not exceed 550,000 tons per year based upon a rolling, 12-month summation of the production rates.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the production levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Production (tons)</u>
1	150,000
1-2	260,000
1-3	320,833
1-4	320,833
1-5	320,833
1-6	320,833
1-7	320,833
1-8	366,667
1-9	412,500
1-10	458,333
1-11	504,167
1-12	550,000

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

**C. Monitoring and/or Recordkeeping Requirements**

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's

recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the fabric filter on daily basis.

2. The permittee shall maintain monthly records of the following information:
  - a. The asphalt production rate for each month.
  - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative production rate for each calendar month.

#### **D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term B.1.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels.
3. The permittee shall submit annual reports which specify the total PM and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
4. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
5. 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).

**Don S Cisle Contractor Inc**  
**PTI Application: 14-04871**  
**April 5, 2000**

**Facility ID: 1409080017**  
**Emissions Unit ID: P902**

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and

Hamilton County Department of Environmental Services  
250 William Howard Taft Rd  
Cincinnati, OH 45219

## **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 60 days after achieving the maximum production rate but not later than 180 days after initial startup of the emissions unit.
  - b. The emission testing shall be conducted to demonstrate compliance with the particulate, organic compound and carbon monoxide emission limits.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulate, Method 5 of 40 CFR Part 60, Appendix A, for carbon monoxide, Method 10, Appendix A, for organic compounds, Method 25 of 40 CFR Part 60, Appendix A- if applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Compliance with the visible particulate emissions limitations in term A.1 and A.2 shall be demonstrated by using Method 9, 40 CFR Part 60 Subpart A.
3. Compliance with the CO, NO<sub>x</sub>, SO<sub>2</sub> and OC emissions limitations will be demonstrated by multiplying the production rate recorded in Term C.2 with the emission factors from AP-42, Table 11.1-2, 11.1-5, 11.1-7 and Table 11.1-8, 1/95):

CO emissions = 0.34 lb/ton produced  
NO<sub>x</sub> emissions = 0.03 lb/ton produced  
SO<sub>2</sub> emissions = 0.005 lb/ton produced  
OC emissions = 0.051 lb/ton produced

4. Compliance with the annual asphalt production limit in term B.2 shall be demonstrated by the record keeping in term C.2.
5. Compliance with the fabric filter pressure drop limitation in term B.1 shall be demonstrated by the recordkeeping in term C.1.

## **F. Miscellaneous Requirements**

1. The following terms and conditions are federally enforceable:  
  
Terms A.2.c, B.1, B.2, C.1, C.2, D.1, D.2, D.5, E.1, E.2, E.4 and E.5..
2. The startup of this emissions unit shall be preceded by the shutdown of emissions unit P901 (225 TPH Asphalt Batch Plant W/Baghouse).



**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04871

Facility ID: 1409080017

FACILITY NAME Don S Cisle Contractor Inc

FACILITY DESCRIPTION Asphalt Plant

CITY/TWP New Miami

**Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):**

**NONE**

**Please provide any additional permit specific notes as you deem necessary:**

## Permit Review Narrative

PTI 14-04871

Don S Cisle Contractors Inc currently operates a 225 TPH Asphalt Batch Plant installed in 1960. This emissions unit is being replaced by a new 300 TPH Drum Mix Asphalt Batch Plant with Baghouse. This permit covers the installation of the 300 TPH Drum Mix Asphalt Batch Plant with Baghouse (emissions unit P902). The permit allowable emissions are: 8.8 TPY PM-10, 13.8 TPY PM, 93.5 TPY CO, 8.3 TPY NO<sub>x</sub>, 1.4 TPY SO<sub>2</sub> and 14 TPY OC.

The applicable regulations are 40 CFR Part 60, Subpart I, OAC rules 3745-31-05(A)(3), 3745-31-05(D), 3745-15-07, 3745-17-07, 3745-17-08 and 3745-17-11.

BAT is satisfied by compliance with emissions limitations, production limitations, use of a fabric filter and compliance with NSPS.

A draft PTI should be issued as the emissions unit will be in compliance with all applicable regulations.

The permit fee is:P902 (based on PWR of 600,000 lbs/hr)= \$1000  
Total fee =\$1000

**Permit To Install Synthetic Minor Write-Up**

Permit to Install Synthetic Minor Write-up

PTI 14-04871

A.Emissions Units Description

This Permit to Install (PTI 14-04871) covers a 300 TPH Drum Mix Asphalt Plant with Baghouse (emissions unit P902). The permittee currently operates a 225 TPH Asphalt Batch Plant (emissions unit P901) which is being replaced by this new emissions unit.

B.Facility Emissions and Attainment Status

Don S Cisle Contractors Inc is currently a minor source for all criteria pollutants. The permittee has a FESOP for the existing Asphalt Batch Plant (emissions unit P901). The new emissions unit P902 is replacing the existing emissions unit P901. This permit will incorporate federally enforceable limitations limiting the stack PM emissions to 8.3 TPY and the CO emissions to 93.5 TPY.

C.Source Emissions

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04871

Facility ID: 1409080017

FACILITY NAME Don S Ciscle Contractor Inc

FACILITY DESCRIPTION Asphalt Plant

CITY/TWP New Miami

Potential emissions were calculated based on maximum capacity and 8760 hrs/yr of operation. The potential emissions from this emissions units in the absence of a federally enforceable PTI would be 42,048 TPY PM emissions from the stack and 446.8 TPY CO. The new emissions unit P902 is replacing the current asphalt batch plant (emissions unit P901). The other emissions units at this facility are F001 - roadways and parking areas and F002 - aggregate storage piles. As this facility is not in one of the 28 source categories, the fugitive PM emissions are not counted towards major source applicability.

The asphalt production limitations outlined in this PTI will limit stack PM emissions to 8.3 TPY and the CO emissions to 93.5 TPY as a rolling, 12-month summation. The facility will maintain monthly records and submit quarterly reports as described in the PTI to ensure compliance with the production and emission limits.

D.Conclusion

The terms and conditions in this PTI will limit the PM and CO emissions to less than 100 TPY. The permittee will maintain records and submit reports as outlined in the additional terms and conditions for this emissions units to demonstrate compliance. As this constitutes a minor modification to a minor facility, Title V and PSD do not apply.

**Please fill in the following for this permit:**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	13.8
PM-10	8.8
CO	93.5
NOx	8.3
SO2	1.4
OC	14