



State of Ohio Environmental Protection Agency

Street Address:

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

RE: FINAL PERMIT TO INSTALL

LORAIN COUNTY

Application No: 02-20075

Fac ID: 0247941009

DATE: 12/21/2004

Jonick and Co. Logistcs
William E. Morog
P.O. Box 2095 4900 French Creek Rd.
Sheffield, OH 44054

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	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 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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: USEPA

NEDO



**Permit To Install
Terms and Conditions**

**Issue Date: 12/21/2004
Effective Date: 12/21/2004**

FINAL PERMIT TO INSTALL 02-20075

Application Number: 02-20075
Facility ID: 0247941009
Permit Fee: **\$1250**
Name of Facility: Jonick and Co. Logistes
Person to Contact: William E. Morog
Address: P.O. Box 2095 4900 French Creek Rd.
Sheffield, OH 44054

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1807 E. 28th St.
Lorain, Ohio**

Description of proposed emissions unit(s):
Portable primary and secondary screeners, charging hopper, feeding conveyor, bin feeding conveyor, recycle pile bin.

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

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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit 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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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 ninety (90) 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>
Particulate	19.06
Nitrogen Oxide	46.56
Carbon Monoxide	10.03
Sulfur Dioxide	3.07
Organic Compounds	3.77

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>
F001 - Portable screening plant (rated: 500 tons per hour)	OAC rule 3745-31-05(A)(3)	Visible particulate emissions of fugitive emissions shall not exceed 10% opacity, as a six-minute average. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.
	OAC rule 3745-17-07(B)	The visible emission limitation in this rule is less stringent than that established pursuant to OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-08(B)	The control requirements in this rule are less stringent than those established pursuant to OAC rule 3745-31-05(A)(3).
Diesel generator to power the screener (rated: 343 hp)	OAC rule 3745-31-05(A)(3)	Nitrogen Oxide emissions shall not exceed 10.63 pounds per hour and 46.56 tons per year. Carbon monoxide emissions shall not exceed 2.29 pounds per hour and 10.03 tons per year.

OAC rule 3745-17-10(B)(1)

Sulfur dioxide emissions shall not exceed 0.7 pound per hour and 3.07 tons per year.

Organic compound emissions shall not exceed 0.86 pound per hour and 3.77 tons per year.

Particulate emissions shall not exceed 0.75 pound per hour and 3.29 ton per year.

This limitation is equivalent to the particulate emission limitation stated in OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall conduct visible emissions evaluations in accordance with USEPA's Reference Method 9 of 40 CFR, Part 60, Appendix A at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluation shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 3 hours (30 six-minute averages). However, the duration of the Method 9 observations can be reduced to 1 hour (10 six-minute) if the following conditions apply: (1) there are no individual readings greater than 10% opacity and (2) there are no more than 3 readings of 10% opacity for the one hour period.
2. The permittee shall daily monitor and record the number of operating hours the diesel generator operates. The permittee shall daily sum the calendar hours the generator has operated.
3. The permit to install for this emissions unit (F001) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable

Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Nitrogen Dioxide

TLV (mg/m³): 5.645

Maximum Hourly Emission Rate (lbs/hr): 10.63

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m³): 96.46

MAGLC (ug/m³): 134.0

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall notify the Northeast District Office of the Ohio EPA (NEDO) of any Method 9 evaluation that did not demonstrate compliance with the opacity limitation specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to NEDO within 30 days after the exceedance occurs.

E. Testing Requirements

1. Emission Limitation:
Visible particulate emissions of fugitive dust shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated by using Method 9 of 40 CFR, Part 60, Appendix A

2. Emission Limitation:
Particulate emissions shall not exceed 15.77 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by using the following equation.

$$E = E_{mh} + E_{sc} \quad \text{where}$$

E = particulate emissions; pounds per ton of material processed

$$E_{mh} = k \times (0.0032) \times [(U/5)^{1.3}/(M/2)^{1.4}] \times TC \times H/2000$$

where

from Section 13.2.4 "Aggregate Handling and Storage Piles" revised 1/1995.

E_{mh} = particulate emissions from material handling; tons per year

k = equation constant; 0.74

U = mean wind speed (mph); 10

M = material moisture content; 2.2
TC = tons crushed per year
H = hours of operation per year

$$\text{Esc} = (0.025 \times \text{TC} \times (1.0 - 0.916) \times \text{H}) / 2000$$

from AP-42, Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing, revised (8/2004)

Esc = particulate emissions from screening operations, tons per year
0.025 = emission factor, pounds per ton crushed
TC = tons crushed per year
0.916 = control efficiency
H = hours of operation per year

3. Emission Limitation:
Nitrogen oxide emissions from the diesel generator shall not exceed 10.63 pounds per hour.

Applicable Compliance Method:

This emission limitation is based on the emission factors in AP-42, Section 3.3 Gasoline and Diesel Industrial Engines; version 10/96. Compliance is assumed.

4. Emission Limitation:
Nitrogen oxide emissions from the diesel generator shall not exceed 46.56 tons per year.

Applicable Compliance Method:

This limitation is based on 8760 hours of operation.

5. Emission Limitation:
Carbon monoxide emissions from the diesel generator shall not exceed 2.29 pounds per hour.

Applicable Compliance Method:

This emission limitation is based on the emission factors in AP-42, Section 3.3 Gasoline and Diesel Industrial Engines; version 10/96. Compliance is assumed.

6. Emission Limitation:
Carbon monoxide emissions from the diesel generator shall not exceed 10.03 tons per year.

Applicable Compliance Method:

This limitation is based on 8760 hours of operation.

7. Emission Limitation:
Sulfur dioxide emissions from the diesel generator shall not exceed 0.7 pound per hour.

Applicable Compliance Method:

This emission limitation is based on the emission factors in AP-42, Section 3.3 Gasoline and Diesel Industrial Engines; version 10/96. Compliance is assumed.

8. Emission Limitation:
Sulfur dioxide emissions from the diesel generator shall not exceed 3.07 tons per year.

Applicable Compliance Method:
This limitation is based on 8760 hours of operation.

9. Emission Limitation:
Organic compound emissions from the diesel generator shall not exceed 0.86 pound per hour.

Applicable Compliance Method:
This emission limitation is based on the emission factors in AP-42, Section 3.3 Gasoline and Diesel Industrial Engines; version 10/96. Compliance is assumed.

10. Emission Limitation:
Organic compound emissions from the diesel generator shall not exceed 3.77 tons per year.

Applicable Compliance Method:
This limitation is based on 8760 hours of operation

11. Emission Limitation:
Particulate emissions from the diesel generator shall not exceed 0.75 pound per hour.

Applicable Compliance Method:
This emission limitation is based on the emission factors in AP-42, Section 3.3 Gasoline and Diesel Industrial Engines; version 10/96. Compliance is assumed.

12. Emission Limitation:
Particulate emissions from the diesel generator shall not exceed 3.29 ton per year.

Applicable Compliance Method:
This limitation is based on 8760 hours of operation.

F. Miscellaneous Requirements

1. Notice to Relocate or Mobile Emissions Unit

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions units;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to operate(PTO);
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to NEDO and the appropriate Ohio EPA District Office or Local Air Agency having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
 - d. in NEDO's and the appropriate Ohio EPA District Office's or Local Air Agency's judgement, the proposed site is acceptable under OAC rule 3745-15-07.
2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
- a. the permittee of the portable emissions unit possesses an effective Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - g. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
3. Any site approvals issued by the Ohio EPA District Office or Local Air Agency having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with NEDO and the appropriate Ohio EPA District Office or Local Air Agency having jurisdiction over the new site. Upon receipt of the notice, NEDO and/or the appropriate Ohio EPA District Office or Local Air

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Facility ID: 0247941009
Emissions Unit ID: F001

Agency having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.