



State of Ohio Environmental Protection Agency

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RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**
PICKAWAY COUNTY
Application No: 01-03133

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

DATE: 10/30/2001

General Electric Circleville Lamp Plant
Don Hatfield
559 E Ohio St
Circleville, OH 43113

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

CDO

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 01-03133

Application Number: **01-03133**APS Premise Number: **0165010026**Permit Fee: **\$0**Name of Facility: **General Electric Circleville Lamp Plant Hatfield**Person to Contact: **Don Hatfield**Address: **559 E Ohio St
Circleville, OH 43113**

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

**559 E Ohio St
Circleville, OHIO**

Description of modification:

Mandrell dissolving.

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

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.

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.

General Electric Circleville Lamp PlantFacility ID: **0165010026****PTI Application: 01-03133****Modification Issued: 10/30/2001****AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **General Electric Circleville Lamp Plant** located in **PICKAWAY** 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
B002	2.5 mmBtu/Hr Gas Fired Bulb Wash Heater	Use of Natural Gas as Fuel	T3745-31-05 3745-17-11	0.02 lb PM/mmBtu, 0.10 lb NO _x /mmBtu, 0.02 lb CO/mmBtu, 0.0006 lb SO ₂ /mmBtu 0.006 lb OC/mmBtu
P016	Low Watt Biax Lamp Assembly Line (LWBX)	Compliance with OAC 3745-21-07, 3745-21-09 and Air Toxics Policy, Tightly Fitting Lids on Coater Tanks	3745-31-05 3745-17-11 3745-21-07 3745-21-09 3745-18-06	0.003 lb PM/Hr, 0.06 lb NO _x /Hr, 0.07 lb SO ₂ /Hr, 0.01 lb CO/Hr, 0.07 lb NH ₃ /Hr, 0.00002 lb Hg/Hr, 0.56 lb OC/Hr
P017	High Lumen Biax Lamp Assembly Line (HLBX)	Compliance with OAC 3745-21-07, 3745-21-09 and Air Toxics Policy, Tightly Fitting Lids on Coater Tanks	3745-31-05 3745-17-11 3745-21-07 3745-21-09 3745-18-06	0.009 lb PM/Hr, 0.03 lb NO _x /Hr, 0.10 lb SO ₂ /Hr, 0.03 lb CO/Hr, 0.50 lb OC/Hr, 0.0006 lb Hg/Hr, 0.22 lb NH ₃ /Hr
P022	T a n k F a r m (WWTP Process)	No add-on Control	3745-31-05	0.005 lb HCl/Hr, 0.002 lb HNO ₃ /Hr, 0.007 lb H ₂ SO ₄ /Hr
P023	15 Swanson flare Machines	Compliance with OAC 3745-18-06 and 3745-17-11	3745-31-05 3745-18-06 3745-17-11	0.006 lb PM/Hr, 8.5 lb SO ₂ /Hr, 0.12 lb NO _x /Hr, 0.03 lb CO/Hr, 0.01 lb OC/Hr
P031	HCl Mandrel	Use of Packed Scrubber (w/	3745-31-05	

General Electric Circleville Lamp Plant**PTI Application: 01-03133****Modification Issued: 10/30/2001**Facility ID: **0165010026**

	Dissolving	99.7% eff.) as Control	3745-17-11	0.41 lb NOX/Hr, 0.06 lb HCL/Hr, 0.0005 lb HNO ₃ /Hr, 0.007 lb H ₂ SO ₄ /Hr
P032	Laser Cutter	Compliance with OAC 3745-17-11	3745-31-05 3745-17-11	0.003 lb PM/Hr

**SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PM	0.32
NO _x	2.2
SO ₂	38.0
OC	4.8
CO	0.56
Hg	0.003
NH ₃	1.3
HCL	0.06
H ₂ SO ₄	0.3
HNO ₃	0.01

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207.

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 Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Prior to employing any coatings not identified on the applications for this permit, this facility shall notify the Ohio EPA, Central District Office. This notification shall include the following information: company identification of the coating, the solvent composition of the coating, the source(s) in which the coating will be employed, the maximum hourly usage rate(s) and the projected annual usage.
2. The scrubber employed on the Mandrel Dissolving operations (P031) shall maintain a minimum control efficiency of 99.7% at all times.
3. This facility shall install and maintain tightly fitting covers on the mix tanks at the coaters in accordance with the 5/21/91 letter from GE to Ohio EPA describing such covers, except that no opening shall have a diameter more than 1.5 times greater than the outside diameter of the hose to be situated in the opening.