



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
PICKAWAY COUNTY
Application No: 01-03454

DATE: 11/1/2001

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



**Permit To Install
Terms and Conditions**

**Issue Date: 11/1/2001
Effective Date: 11/1/2001**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 01-03454

Application Number: **01-03454**
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:
Lamp assembly group 12, 14 and 15.

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 Electric Circleville Lamp Plant

Facility ID: **0165010026**

PTI Application: 01-03454

Modification Issued: 11/1/2001

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.

General Electric Circleville Lamp Plant

Facility ID: **0165010026**

PTI Application: 01-03454

Modification Issued: 11/1/2001

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

General Electric Circleville Lamp Plant

PTI Application: 01-03454

Modification Issued: 11/1/2001

Facility ID: **0165010026**

General Electric Circleville Lamp Plant
PTI Application: 01-03454
Modification Issued: 11/1/2001

Facility ID: **0165010026**

<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>
-------------------------------	-------------------------------------	--------------------------	---	--

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.

P025

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>Group</u>	<u>Lamp Assembly Line</u>	<u>BAT Determination</u>
P019	Group 14 Lamp Assembly Line with Coater (Constructed 1985)	26	Lamp Assembly Line (Constructed 1976)	Lids on Mix Tanks, Use of Coated Carbon Adsorption for Hg control, compliance with air toxics Policy & Use of Waterbased Coatings in Coater
P020	Group 15 Lamp Assembly Line (Constructed 1983)	12	Lamp Assembly Line (Constructed 1960)	Compliance with Air Toxics Policy & Applicable Rules
P024	Group 16 Lamp Assembly Line (Constructed 1989)	21	Lamp Assembly Line (Constructed 1980)	Use of Coated Carbon Adsorption for Hg control, Compliance with Air Toxics Policy and Applicable Rules
	Group 25 Lamp Assembly Line (Constructed 1984)			

General Electric Circleville Lamp Plant
PTI Application: 01-03454
Modification Issued: 11/1/2001

Facility ID: **0165010026**

<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>
0.015 lbs PM/hr, 0.0015 lbs Hg/hr, 0.43 lbs NO _x /hr, 0.42 lbs SO ₂ /hr, 0.72 lbs OC/hr, 0.06 lbs CO/hr	0.002 lbs SO ₂ /hr, 0.88 lbs OC/hr, 0.06 lbs CO/hr			
0.04 lbs PM/hr, 0.0015 lbs Hg/hr, 1.0 lbs NO _x /hr, 0.62 lbs SO ₂ /hr, 0.89 lbs OC/hr, 0.15 lbs CO/hr				
0.016 lbs PM/hr, 0.001 lbs Hg/hr, 0.32 lbs NO _x /hr,				

General Electric Circleville Lamp Plant
PTI Application: 01-03454
Modification Issued: 11/1/2001

Facility ID: **0165010026**

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	1.2
Hg	0.07
NO _x	30.0
SO ₂	15.9
OC	39.3
CO	4.9
NH ₃	11.8

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

General Electric Circleville Lamp PlantFacility ID: **0165010026****PTI Application: 01-03454****Modification Issued: 11/1/2001**

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.

1. 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.
2. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
3. Tests shall be performed for the following source(s) and pollutant(s):

Source**Pollutant(s)**

Central Vacuum System
P020
P030

Hg
Hg
Hg

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 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.

General Electric Circleville Lamp Plant
PTI Application: 01-03454
Modification Issued: 11/1/2001

Facility ID: **0165010026**

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.

General Electric Circleville Lamp Plant
PTI Application: 01-03454
Modification Issued: 11/1/2001

Facility ID: **0165010026**

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. The coated carbon adsorption system serving the central vacuum system shall maintain a minimum control efficiency of 90% and a mercury emission rate of less than 0.0196 lbs per hour at all times.
2. This facility shall maintain a log of the dates and identification of the carbon bed when the coated carbon is replaced.
3. This facility shall maintain a tightly fitting lid on the coating mixing tank serving Group 14 (P014) in accordance with the May 21, 1991 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.
4. Prior to employing any coating in the coater on the Group 14 Lamp Assembly Line coater not identified on the application for this permit, this facility shall submit written notification to the Ohio EPA. This notification shall include, as a minimum, the company identification for the coating, the maximum hourly usage rate, the solvent constituent composition of the coating and the projected annual usage rate.