



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Federally Enforceable State Operating Permit (FESOP)

for Electronic Recyclers International, Inc. in Hendricks County
Significant Permit Revision No.: 063-43062-00082

The Indiana Department of Environmental Management (IDEM) has received an application from Electronic Recyclers International, Inc., located at 3100 Reeves Rd., Plainfield, IN 46168, for a significant revision of its FESOP issued on December 29, 2017. If approved by IDEM's Office of Air Quality (OAQ), this proposed revision would allow Electronic Recyclers International, Inc. to make certain changes at its existing source. Electronic Recyclers International, Inc. has applied to request the following changes:

- Removal of the CRT tube line.
- Due to this removal, the existing baghouse DFO 3-12 from this process will be moved to the V-CAD sorter on the shredder process. The source states that the V Cad had minimal emissions since it is a cyclone. The dust collection point is being moved to the infeed drop to catch any dust from carry along metals on the plastic.
- Recent stack test results showed that the emissions from the emission units controlled by baghouse DFO 4-48 and DFO 3-60 are higher than previously calculated. Therefore, PTE calculations were revised for these units, reflecting the increased uncontrolled/unlimited potential emissions. New FESOP minor limits have been added in order to remain in FESOP status.

This draft permit does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow for these changes.

A copy of the permit application and IDEM's preliminary findings have been sent to:

Plainfield Public Library
1120 Stafford Rd.
Plainfield, IN 46168

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

A copy of the application and preliminary findings is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <http://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is posted on IDEM's website (<https://www.in.gov/idem/5474.htm>) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SPR 063-43062-00082 and in all correspondence.

Comments should be sent to:

James Sperl
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for James Sperl or (317) 232-0459
Or dial directly: (317) 232-0459
Fax: (317) 232-6749 attn: James Sperl
E-mail: jsperl@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above and will also be sent to the local library indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact James Sperl of my staff at the above address.



Heath Hartley, Section Chief
Permits Branch
Office of Air Quality



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Eric J. Holcomb
Governor

DRAFT

Bruno L. Pigott
Commissioner

Aaron Blum
Electronic Recyclers International, Inc.
7815 N. Palm Ave. Suite 140
Fresno, CA 93711

Re: 063-43062-00082
Significant Revision to
F063-39175-00082

Dear Mr. Blum:

Electronic Recyclers International, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F063-39175-00082, on December 29, 2017, for a stationary e-waste recycling and CRT glass cutting and cleaning facility located at 3100 Reeves Rd., Plainfield, IN 46168. On July 15, 2020, the Office of Air Quality (OAQ) received an application from the source requesting the following changes:

- Removal of the CRT tube line.
- Due to this removal, the existing baghouse DFO 3-12 from this process will be moved to the V-CAD sorter on the shredder process. The source states that the V Cad had minimal emissions since it is a cyclone. The dust collection point is being moved to the infeed drop to catch any dust from carry along metals on the plastic
- Recent stack test results showed that the emissions from the emission units controlled by baghouse DFO 4-48 and DFO 3-60 are higher than previously calculated. Therefore, PTE calculations were revised for these units, reflecting the increased uncontrolled/unlimited potential emissions. New FESOP minor limits have been added in order to remain in FESOP status.

Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a Significant Permit Revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as revised.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <http://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

DRAFT

If you have any questions regarding this matter, please contact James Sperl, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 232-0459 or (800) 451-6027, and ask for James Sperl or (317) 232-0459.

Sincerely,

Heath Hartley, Section Chief
Permits Branch
Office of Air Quality

Attachments: Revised permit and Technical Support Document.

cc: File - Hendricks County
Hendricks County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch



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New Source Construction and Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

Electronic Recyclers International, Inc. 3100 Reeves Road Plainfield, Indiana 46168

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-8-11.1, applicable to those conditions

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

Table with permit details including Operation Permit No., Master Agency Interest ID., Issued by (Nathan C. Bell), Issuance Date (December 29, 2017), Expiration Date (December 29, 2022), Administrative Amendments, Significant Permit Revision No., and Issued by (Heath Hartley).

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary e-waste recycling and CRT glass cutting and cleaning facility.

Source Address:	3100 Reeves Road, Plainfield, Indiana 46168
General Source Phone Number:	800-374-3473
SIC Code:	5093 (Scrap and Waste Materials)
County Location:	Hendricks
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) electronic shredding and separating process, constructed in 2017, and consisting of:
 - (1) One (1) electronic shredder, identified as Shredder, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for metallic and HAPs control, and exhausting within the building;
 - (2) One (1) magnetic belt separator, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for metallic and HAPs control, and exhausting within the building;
 - (3) One (1) steel storage pit, with a maximum input capacity of 7,000 lbs/hr;
 - (4) One (1) sizer, with a maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 4-48) for metallic and HAPs control, and exhausting within the building;
 - (5) Two (2) Eddy Current sorters, separating plastics from copper and aluminum, with a combined maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 3-60) for metallic and HAPs control, and exhausting within the building;
 - (6) Two (2) finders, separating plastics from fines, with a combined maximum capacity of 8,225 lbs/hr, utilizing one (1) Donaldson baghouse, identified as DFO 3-60, for metallic and HAPs control, and exhausting within the building;
 - (7) One (1) V-CAD sorter cyclone, separating plastics by weight, with a maximum capacity of 4,750 lbs/hr, utilizing a Donaldson baghouse, identified as DFO 3-12, and exhausting within the building; and

- (8) Eighteen (18) material transfer conveyors, with maximum capacities of 17,500 lbs/hr, each.
- (c) One (1) Flat Panel shredder, identified as FS-1, permitted in 2018, with a maximum capacity of 5720 lbs/hr, using a cyclone for particulate control, two (2) dual bed carbon scrubbers, identified as FC-1 and FC-2, for mercury control and exhausting indoors.
- (d) Three (3) material transfer conveyors, each with a maximum capacity of 5,000 pounds per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, consisting of:
 - (1) Thirteen (13) air make-up units, with a combined heat input of 10.09 MMBtu/hr
- (b) Paved roads;
- (c) Two (2) Mig welding stations used for maintenance operations, and
- (d) One (1) stick welding station used for maintenance operations.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)][326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F063-39175-00082, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.6 Enforceability [326 IAC 2-8-6][IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.8 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.10 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
 - (1) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)]

- (a) If required by specific condition(s) in Section D.1 and D.2 of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance

causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
- (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
- (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F063-39175-00082 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

- (b) All previous registrations and permits are superseded by this permit.

B.16 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.18 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (c) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(1) and (c).

- (b) Emission Trades [326 IAC 2-8-15(b)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(b).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-8-4(6)][326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1][IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(c).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

- (a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

- (b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.12 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.13 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than 180 days from the date on which FESOP No. F063-39175-00082 is issued.

The ERP does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-8-4][40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
- (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);
or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
- (1) monitoring results;

- (2) review of operation and maintenance procedures and records; and/or
- (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following, where applicable:
 - (AA) All calibration and maintenance records.
 - (BB) All original strip chart recordings for continuous monitoring instrumentation.
 - (CC) Copies of all reports required by the FESOP.Records of required monitoring information include the following, where applicable:
 - (AA) The date, place, as defined in this permit, and time of sampling or measurements.
 - (BB) The dates analyses were performed.
 - (CC) The company or entity that performed the analyses.
 - (DD) The analytical techniques or methods used.
 - (EE) The results of such analyses.
 - (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) electronic shredding and separating process, approved for construction in 2017, and consisting of:
 - (1) One (1) electronic shredder, identified as Shredder, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for particulate and metallic HAPs controls, and exhausting within the building;
 - (2) One (1) magnetic belt separator, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for particulate and metallic HAPs controls, and exhausting within the building;
 - (3) One (1) steel storage pit, with a maximum input capacity of 7,000 lbs/hr;
 - (4) One (1) sizer, with a maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 4-48) for particulate and metallic HAPs control, and exhausting within the building;
 - (5) Two (2) Eddy Current sorters, separating plastics from copper and aluminum, with a combined maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 3-60) for particulate and metallic HAPs control, and exhausting within the building;
 - (6) Two (2) finders, separating plastics from fines, with a combined maximum capacity of 8,225 lbs/hr, utilizing one (1) Donaldson baghouse, identified for particulate and metallic HAPs DFO 3-60, and exhausting within the building;
 - (7) One (1) V-CAD sorter cyclone, separating plastics by weight, with a maximum capacity of 4,750 lbs/hr, utilizing a Donaldson baghouse, identified as DFO 3-12, as particulate control, and exhausting within the building; and
 - (8) Eighteen (18) material transfer conveyors, with maximum capacities of 17,500 lbs/hr, each.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 PSD Minor Limits [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (a) PM emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 FESOP Limitations [326 IAC 2-8-4]

Pursuant to 326 IAC 2- 8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following:

- (a) PM10 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM2.5 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (c) PM10 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.
- (d) PM2.5 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

D.1.3 Hazardous Air Pollutants (HAP) Minor Limits [40 CFR 63] [326 IAC 20]

In order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA) not applicable, the Permittee shall comply with the following:

- (a) Lead emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 0.5 pounds per hour
- (b) Lead emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 0.5 pounds per hour.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, shall limit the source-wide total potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period, total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits), and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP) not applicable, and this source is an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

D.1.4 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of the following operations shall not exceed the pound per hour limits listed in the table below:

Unit Description	Control Device	Maximum Throughput Rate (tons/hr)	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
E-Waste Shredder	DFO 4-48	8.75	17.54
Magnetic Belt Separator			
Sizer			
Two (2) Eddy Current Sorters	DFO 3-60	4.11	10.57
Two (2) Finders			
V-CAD Sorter	DFO 3-12	2.38	7.33
Material transfer conveyors	-	8.75 (each)	17.54 (each)

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour; and
 P = process weight rate in tons per hour

D.1.5 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements [326 IAC 2-8-4(1)]

D.1.6 Particulate and HAPs Control

In order to assure compliance with Conditions D.1.1, D.1.2, D.1.3 and D.1.4, the baghouses (DFO 4-48 and DFO 3-60) for PM, PM₁₀, PM_{2.5} and metallic HAPs control shall be in operation at all times when the electronic shredding and separating process is in operation.

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.7 Testing Requirements [326 IAC 2-1.1-11]

- (a) In order to demonstrate compliance with Condition D.1.1(a), D.1.2(a), D.1.2(b), and D.1.3(a), the Permittee shall perform PM, PM₁₀, PM_{2.5} testing of the baghouse (DFO 4-48) utilizing methods as approved by the Commissioner at least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. PM₁₀ and PM_{2.5} includes filterable and condensable PM.
- (b) In order to demonstrate compliance with Condition D.1.1(b), D.1.2(c), D.1.2(d), and D.1.3(b), the Permittee shall perform PM, PM₁₀, PM_{2.5} testing of the baghouse (DFO 3-60) utilizing methods as approved by the Commissioner at least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section

C – Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition. PM10 and PM2.5 includes filterable and condensable PM.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]

D.1.8 Parametric Monitoring

The Permittee shall record the pressure drops across baghouses DFO 4-48 and DFO 3-60 used in conjunction with the electronic shredding and separating process, at least once per day when the electronic shredding and separating process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range, the Permittee shall take a reasonable response. The normal range for these units are a pressure drop between 0.2 and 8.0 inches of water, unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

D.1.9 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.10 Record Keeping Requirement

- (a) To document the compliance status with Condition D.1.8, the Permittee shall maintain daily records of the pressure drops across the baghouses (DFO 4-48 and DFO 3-60) controlling the electronic shredding and separating process. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (b) One (1) Flat Panel shredder, identified as FS-1, permitted in 2018, with a maximum capacity of 5720 lbs/hr, using a cyclone for particulate control, two (2) dual bed carbon scrubbers, identified as FC-1 and FC-2, for mercury control and exhausting indoors.
- (c) Three (3) material transfer conveyors, each with a maximum capacity of 5,000 pounds per hour.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of the following operations shall not exceed the pound per hour limits listed in the table below:

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
FS-1	E-waste shredder	2.86	FC-1 and FC-2	8.29
N/A	Material transfer conveyors	2.50 (each)	-	7.58 (each)

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Electronic Recyclers International, Inc.
Source Address: 3100 Reeves Road, Plainfield, Indiana 46168
FESOP Permit No.: F063-39175-00082

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Electronic Recyclers International, Inc.
Source Address: 3100 Reeves Road, Plainfield, Indiana 46168
FESOP Permit No.: F063-39175-00082

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-8-12 |
|--|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Electronic Recyclers International, Inc.
Source Address: 3100 Reeves Road, Plainfield, Indiana 46168
FESOP Permit No.: F063-39175-00082

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B -Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Significant Permit Revision to a
Federally Enforceable State Operating Permit (FESOP)

Source Description and Location

Source Name: Electronic Recyclers International Inc.
Source Location: 3100 Reeves Rd. Plainfield, IN 46168
County: Hendricks
SIC Code: 5093 (Scrap and Waste Materials)
Operation Permit No.: F 063-39175-00082
Operation Permit Issuance Date: December 29, 2017
Significant Permit Revision No.: 063-43062-00082
Permit Reviewer: James Sperl

Existing Approvals

The source was issued FESOP Renewal No. 063-39175-00082 on December 29, 2017. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
Administrative Amendment	063-40173-00082	August 3, 2018
Administrative Amendment	063-40357-00082	December 7, 2018
Administrative Amendment	063-42447-00082	March 10, 2020

County Attainment Status

The source is located in Hendricks County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard.
PM _{2.5}	Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Unclassifiable or attainment effective January 29, 2012, for the 2010 NO ₂ standard.
Pb	Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Hendricks County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 Hendricks County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and

NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (c) Other Criteria Pollutants
 Hendricks County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions Prior to Revision (ton/year)									
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	Pb	Single HAP ³	Total HAPs
Total PTE of Entire Source Excluding Fugitive Emissions*	144.5 1	74.47	74.47	0.03	4.33	0.24	3.64	8.03	8.03 (Lead)	8.83

	Source-Wide Emissions Prior to Revision (ton/year)									
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	Pb	Single HAP ³	Total HAPs
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	10	--	--
¹ Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant." ² PM _{2.5} listed is direct PM _{2.5} . ³ Single highest source-wide HAP *Fugitive HAP emissions are always included in the source-wide emissions.										

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (c) These emissions are based on the TSD of Administrative Amendment No. 063-42447-00082, issued on March 10, 2020.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Electronic Recyclers International Inc. on July 15, 2020, relating to the following changes:

- Removal of the CRT tube line.
- Due to this removal, the existing baghouse DFO 3-12 from this process will be moved to the V-CAD sorter on the shredder process. The source states that the V Cad had minimal emissions since it is a cyclone. The dust collection point is being moved to the infeed drop to catch any dust from carry along metals on the plastic
- Recent stack test results showed that the emissions from the emission units controlled by baghouse DFO 4-48 and DFO 3-60 are higher than previously calculated. Therefore, PTE calculations were revised for these units, reflecting the increased uncontrolled/unlimited potential emissions. New FESOP minor limits have been added in order to remain in FESOP status.

As part of this permitting action, the following emission units are being removed the permit:

- (a) One (1) CRT tube line, approved for construction in 2017, with a maximum capacity of 5,000 lbs/hr, consisting of:
 - (1) Three (3) CRT glass cutting saws, identified as CRT Saws 1 through 3, with maximum capacities of 130 units per hour, combined, utilizing a Donaldson baghouse, identified as DFO 4-32, as particulate control, and exhausting within the building;
 - (2) Seven (7) material transfer conveyors associated with the CRT saws, with maximum capacities of 5,000 lbs/hr, each;
 - (3) One (1) CRT glass tumbler, identified as CRT Tumbler, with a maximum capacity of 130 unitEs per hour, utilizing a Donaldson baghouse, identified as DFO 3-12, as particulate control, and exhausting within the building; and

- (4) Two (2) material transfer conveyors associated with the CRT Tumbler, with maximum capacities of 5,000 lbs/hr, each.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – FESOP Significant Permit Revision

There are no new emission units or modifications to existing emission units (i.e., no physical change or change in the method of operation occurring at the source) as a result of this revision. See the "Description of Proposed Revision" section above for more detail.

Pursuant to 326 IAC 2-8-11.1(f), this FESOP is being revised through a FESOP Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit revision and the proposed revision involves the addition of FESOP PM limits. See the "Description of Proposed Revision" section above for more explanation.

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions After Issuance (ton/year)									
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	Pb	Single HAP ³	Total HAPs
Total PTE of Entire Source Excluding Fugitives*	58.45	31.48	31.48	0.03	4.33	0.24	3.64	4.40	4.40	11.60
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	10	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	10	--	--
¹ Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant." ² PM _{2.5} listed is direct PM _{2.5} . ³ Single highest source-wide HAP *Fugitive HAP emissions are always included in the source-wide emissions.										

Appendix A of this TSD reflects the detailed potential to emit of the entire source after issuance.

The source opted to take PM, PM₁₀, and PM_{2.5} limit(s) in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to this source. See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset), 326 IAC 2-8 (FESOP), for more information regarding the limit(s).

- (a) This existing Title V minor stationary source will continue to be minor under 326 IAC 2-7 because the potential to emit regulated air pollutants and HAPs from the entire source will continue to be less than or limited to less than the Title V major source threshold levels. Therefore, the source is subject to the provisions of 326 IAC 2-8 (FESOP) and is an area source under Section 112 of the Clean Air Act (CAA).
- (b) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the potential to emit of all PSD regulated pollutants from the entire source will continue to be less than or limited to less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

Due to the proposed revision, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources: Ferroalloys Production Facilities, Subpart YYYYYY are not included in the permit because this source does not operate a ferroalloys production facility, as described in 40 CFR 63.11524.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Nonferrous Metals Processing Area Sources, Subpart TTTTTT are not included in the permit because the source is not a secondary nonferrous metals processing facility, as defined in 40 CFR 63.11472.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Nine Metal Fabrication and Finishing Source Categories, Subpart XXXXXX are not included in the permit because this source is not primarily engaged in the operations in one of the nine source categories listed in 40 CFR 63.11514(a).
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR Part 63, 326 IAC 14, and 326 IAC 20) included in the permit.

Compliance Assurance Monitoring (CAM):

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability - Entire Source

Due to this revision, state rule applicability has been reviewed as follows:

326 IAC 2-2 (PSD) and 326 IAC 2-3 (Emission Offset)

PSD and Emission Offset applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP Revision section of this document.

PSD/EO Minor Source Limit(s)

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (a) PM emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of this source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting), because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, Clark, or Floyd County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 2-8-4 (FESOP) and 326 IAC 20 (Hazardous Air Pollutants)

FESOP applicability is discussed under the PTE of the Entire Source After Issuance of the FESOP Revision section of this document.

FESOP PM10/PM2.5 Limit(s)

Pursuant to 326 IAC 2-8-4 (FESOP), and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits), not applicable, the Permittee shall comply with the following:

- (a) PM10 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM2.5 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (c) PM10 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.
- (d) PM2.5 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not subject to the requirements of 326 IAC 6-5, because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

Pursuant to 326 IAC 6.5-1-1(a), this source (located in Hendricks County) is not subject to the requirements of 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

Pursuant to 326 IAC 6.8-1-1(a), this source (located in Hendricks County) is not subject to the requirements of 326 IAC 6.8 because it is not located in Lake County.

State Rule Applicability – Individual Facilities

Electronic Shredding Process

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The electronic shredding process has potential PM emissions greater than 0.551 pounds per hour, making it subject to 326 IAC 6-3-2. The particulate from the electronic shredding process shall be limited by the following:

Unit ID	Unit Description	Control Device	Maximum Throughput (tons/hr)	Total Allowable Particulate Emission Rate (lbs/hr)	Control Device Required
Shredder	E-waste shredder	DFO 4-48	8.75	17.54	Yes
N/A	Magnetic belt separator				
N/A	Sizer				
N/A	Eddy current sorters (2)	DFO 3-60	4.11	10.57	Yes
N/A	Finders (2)				
	V-CAD Sorter	DFO 3-12	2.38	7.33	No
N/A	Material transfer conveyors	-	8.75 (each)	17.54 (each)	No
FS-1	Flat Panel shredder	FC-1 and FC-2	2.86	8.29	No
N/A	Material transfer conveyors	-	2.50 (each)	7.58 (each)	No

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and
 P = process weight rate in tons per hour

Baghouse DFO 4-48 and DFO 3-60 are required to be in operation and control their respective processes in order to comply with this rule.

Air Make Up Units

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

The air make up units are not subject to the limitations in 326 IAC 6-3-2 because they are not part of a manufacturing process, pursuant to 326 IAC 6-3-1(a).

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

The air make up units are not subject to the limitations in 326 IAC 6-2 because they each are not an indirect heating unit.

Compliance Determination and Monitoring Requirements

(a) The Compliance Determination Requirements applicable to this revision are as follows:

Testing Requirements:

Summary of Testing Requirements					
Emission Unit	Control Device	Timeframe for Testing or Date of Initial Valid Demonstration)	Pollutant/Parameter	Frequency of Testing	Authority
Shredder, Magnetic Belt Separator, Sizer,	DFO 4-48	August 2018	PM, PM10, PM2.5,	Once every five (5) years	326 IAC 2-8-4 326 IAC 2-2
Eddy Current Separators (2) and Finders	DFO 3-60	August 2018	PM, PM10, PM2.5	Once every five (5) years	326 IAC 2-8-4 326 IAC 2-2

(b) The Compliance Monitoring Requirements applicable to this proposed revision are as follows:

Control Device	Type of Parametric Monitoring	Frequency	Range or Specification
DFO 4-48	Pressure Drop	Daily	0.2 to 8.0 inches of H ₂ O
DFO 3-60	Pressure Drop	Daily	0.2 to 8.0 inches of H ₂ O

These monitoring conditions are necessary because the baghouses for the electronic shredding and finders process must operate properly to assure compliance with compliance with the 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) avoidance limits, the 326 IAC 2-8 (FESOP) limits, and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes).

There are no new or modified compliance requirements included with this revision.

Proposed Changes

The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

- (1) Section D.1 of the previous permit has been deleted
- (2) Section D.2 of the previous permit has been renumbered Section D.1

(3) Section D.3 of the previous permit has been renumbered Section D.2

Additional Changes

IDEM, OAQ made additional changes to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

Section B - Annual Fee Payment of the permit has been revised as follows to include an updated phone number for the OAQ, Billing, Licensing, and Training Section:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) electronic shredding and separating process, constructed in 2017, and consisting of:
 - (1) One (1) electronic shredder, identified as Shredder, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, ~~as controls for metallic and HAPs control~~, and exhausting within the building;
 - (2) One (1) magnetic belt separator, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, **for metallic and HAPs control**, and exhausting within the building;
 - (3) One (1) steel storage pit, with a maximum input capacity of 7,000 lbs/hr;
 - (4) One (1) sizer, with a maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 4-48) **for metallic and HAPs control**, and exhausting within the building;
 - (5) Two (2) Eddy Current sorters, separating plastics from copper and aluminum, with a combined maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 3-60) **for metallic and HAPs control**, and exhausting within the building;
 - (6) Two (2) finders, separating plastics from fines, with a combined maximum capacity of 8,225 lbs/hr, utilizing one (1) Donaldson baghouse, identified as DFO 3-60, **for metallic and HAPs control** and exhausting within the building;
 - (7) One (1) V-CAD sorter **cyclone**, separating plastics by weight, with a maximum capacity of 4,750 lbs/hr, ~~utilizing no control~~ **utilizing a Donaldson baghouse**, identified as DFO 3-12, and exhausting within the building; and
 - (8) Eighteen (18) material transfer conveyors, with maximum capacities of 17,500 lbs/hr, each.

B.24 Annual Fee Payment [326 IAC 2-1.1-7]

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230**8590** (ask for OAQ, Billing, Licensing, and Training Section) to determine the appropriate permit fee.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) ~~One (1) CRT tube line, approved for construction in 2017, with a maximum capacity of 5,000 lbs/hr, consisting of:~~
- ~~(1) ~~Three (3) CRT glass cutting saws, identified as CRT Saws 1 through 3, with maximum capacities of 130 units per hour, combined, utilizing a Donaldson baghouse, identified as DFO 4-32, as particulate control, and exhausting within the building;~~~~
 - ~~(2) ~~Seven (7) material transfer conveyors associated with the CRT saws, with maximum capacities of 5,000 lbs/hr, each;~~~~
 - ~~(3) ~~One (1) CRT glass tumbler, identified as CRT Tumbler, with a maximum capacity of 130 units per hour, utilizing a Donaldson baghouse, identified as DFO 3-12, as particulate control, and exhausting within the building; and~~~~
 - ~~(4) ~~Two (2) material transfer conveyors associated with the CRT Tumbler, with maximum capacities of 5,000 lbs/hr, each.~~~~

~~(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)~~

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 PSD Minor Limits [326 IAC 2-2]

~~In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:~~

- ~~(a) ~~PM emissions from the baghouse (DFO 4-32) controlling emissions from the three (3) CRT glass cutting saws shall not exceed 15.95 pounds per hour.~~~~
- ~~(b) ~~PM emissions from the baghouse (DFO 3-12) controlling emissions from the CRT tumbler shall not exceed 5.32 pounds per hour.~~~~

~~Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~

D.1.2 FESOP Limitations [326 IAC 2-8-4]

~~Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following:~~

- ~~(a) ~~PM10 emissions from the baghouse (DFO 4-32) controlling emissions from the three (3) CRT glass cutting saws shall not exceed 7.98 pounds per hour.~~~~
- ~~(b) ~~PM2.5 emissions from the baghouse (DFO 4-32) controlling emissions from the three (3) CRT glass cutting saws shall not exceed 7.98 pounds per hour.~~~~
- ~~(c) ~~PM10 emissions from the baghouse (DFO 3-12) controlling emissions from the CRT tumbler shall not exceed 2.66 pounds per hour.~~~~
- ~~(d) ~~PM2.5 emissions from the baghouse (DFO 3-12) controlling emissions from the CRT tumbler shall not exceed 2.66 pounds per hour.~~~~

~~Compliance with these limits, combined with the potential to emit PM₁₀ and PM_{2.5} from all other emission units at this source, shall limit the source-wide total potential to emit of PM₁₀ and PM_{2.5} to less than 100 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.~~

~~D.1.3 Particulate Emission Limitations [326 IAC 6-3-2]~~

~~Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from each of the following operations shall not exceed the pound per hour limits listed in the table below:~~

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device ID	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
CRT Saws 1-3	CRT Glass Cutting Saws	2.50 (combined)	DFO 4-32	7.57 (combined)
CRT Tumbler	CRT Glass Tumbler	2.50	DFO 3-12	7.57

~~Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:~~

~~$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour and P = process weight rate in tons per hour~~

~~D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]~~

~~A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.~~

Compliance Determination Requirements [326 IAC 2-8-4(1)]

~~D.1.5 Particulate Matter (PM)~~

~~In order to assure compliance with Conditions D.1.1, D.1.2, and D.1.3, the baghouses (DFO 4-32 and DFO 3-12) for PM, PM₁₀, and PM_{2.5} control shall be in operation at all times when the CRT glass cutting saws and/or the CRT glass tumbler are in operation.~~

~~D.1.6 Testing Requirements [326 IAC 2-1.1-11]~~

- ~~(a) Not later than 180 days after startup of the three (3) CRT glass cutting saws, in order to demonstrate compliance with Conditions D.1.1(a), D.1.2(a) and D.1.2(b), the Permittee shall perform PM, PM₁₀, and PM_{2.5} testing of the baghouse (DFO 4-32) controlling emissions from the three (3) CRT glass cutting saws, utilizing methods approved by the commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. PM₁₀ and PM_{2.5} include filterable and condensable particulate matter.~~
- ~~(b) Not later than 180 days after startup of the CRT tumbler, in order to demonstrate compliance with Conditions D.1.1(b), D.1.2(c) and D.1.2(d), the Permittee shall perform PM, PM₁₀, and PM_{2.5} testing of the baghouse (DFO 3-12) controlling emissions from the CRT tumbler, utilizing methods approved by the commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. PM₁₀ and PM_{2.5} include filterable and condensable particulate matter.~~

~~Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.~~

Compliance Monitoring Requirements [326 IAC 2-8-4(1)][326 IAC 2-8-5(a)(1)]

D.1.7 Baghouse Parametric Monitoring

~~The Permittee shall record the pressure drops across baghouses DFO 4-32 and DFO 3-12 used in conjunction with the CRT glass cutting saws and the CRT glass tumbler, at least once per day when the CRT glass cutting saws and/or the CRT glass tumbler are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range, the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between 0.20 and 8.0 inches of water, unless a different upper bound or lower bound value for this range is determined during the latest stack test. Section C—Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.~~

~~The instrument used for determining the pressure shall comply with Section C—Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.~~

D.1.8 Broken or Failed Bag Detection

~~(a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B—Emergency Provisions).~~

~~(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B—Emergency Provisions).~~

~~Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.~~

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.9 Record Keeping Requirement

~~(a) To document the compliance status with Condition D.1.7, the Permittee shall maintain daily records of the pressure drops across the baghouses (DFO 4-32 and DFO 3-12) controlling the CRT glass cutting saws and CRT glass tumbler. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).~~

~~(b) Section C—General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.~~

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

~~(b) One (1) electronic shredding and separating process, approved for construction in 2017, and consisting of:~~

- (1) ~~One (1) electronic shredder, identified as Shredder, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, as controls, and exhausting within the building;~~
- (2) ~~One (1) magnetic belt separator, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, as controls, and exhausting within the building;~~
- (3) ~~One (1) steel storage pit, with a maximum input capacity of 7,000 lbs/hr;~~
- (4) ~~One (1) sizer, with a maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 4-48) as control, and exhausting within the building;~~
- (5) ~~Two (2) Eddy Current sorters, separating plastics from copper and aluminum, with a combined maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 3-60) as control, and exhausting within the building;~~
- (6) ~~Two (2) finders, separating plastics from fines, with a combined maximum capacity of 8,225 lbs/hr, utilizing one (1) Donaldson baghouse, identified as DFO 3-60, and exhausting within the building;~~
- (7) ~~One (1) V-CAD sorter, separating plastics by weight, with a maximum capacity of 4,750 lbs/hr, utilizing no control devices, and exhausting within the building; and~~
- (8) ~~Eighteen (18) material transfer conveyors, with maximum capacities of 17,500 lbs/hr, each.~~

~~(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)~~

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) electronic shredding and separating process, approved for construction in 2017, and consisting of:
- (1) One (1) electronic shredder, identified as Shredder, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for particulate and metallic HAPs controls, and exhausting within the building;
 - (2) One (1) magnetic belt separator, with a maximum capacity of 17,500 lbs/hr, using a cyclone dust collection system (CYL-01) and a Donaldson baghouse (DFO 4-48), in series, for particulate and metallic HAPs controls, and exhausting within the building;
 - (3) One (1) steel storage pit, with a maximum input capacity of 7,000 lbs/hr;
 - (4) One (1) sizer, with a maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 4-48) for particulate and metallic HAPs control, and exhausting within the building;
 - (5) Two (2) Eddy Current sorters, separating plastics from copper and aluminum, with a combined maximum capacity of 10,500 lbs/hr, using a Donaldson baghouse (DFO 3-60) for particulate and metallic HAPs control, and exhausting within the building;
 - (6) Two (2) finders, separating plastics from fines, with a combined maximum capacity of 8,225 lbs/hr, utilizing one (1) Donaldson baghouse, identified for particulate and metallic HAPs DFO 3-60, and exhausting within the building;
 - (7) One (1) V-CAD sorter cyclone, separating plastics by weight, with a maximum capacity of 4,750 lbs/hr, utilizing a Donaldson baghouse, identified as DFO 3-12, as particulate control, and exhausting within the building; and
 - (8) Eighteen (18) material transfer conveyors, with maximum capacities of 17,500 lbs/hr, each.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

D.1.1 PSD Minor Limits [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the Permittee shall comply with the following:

- (a) PM emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per twelve (12) consecutive month period and shall render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.2 FESOP Limitations [326 IAC 2-8-4]

Pursuant to 326 IAC 2- 8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable, the Permittee shall comply with the following:

- (a) PM10 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (b) PM2.5 emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 10.00 pounds per hour.
- (c) PM10 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.
- (d) PM2.5 emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 5.00 pounds per hour.

Compliance with these limits, combined with the potential to emit PM10 and PM2.5 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 and PM2.5 to less than 100 tons per twelve (12) consecutive month period, each, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits) not applicable.

D.1.3 Hazardous Air Pollutants (HAP) Minor Limits [40 CFR 63] [326 IAC 20]

In order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA) not applicable, the Permittee shall comply with the following:

- (a) Lead emissions from the baghouse (DFO 4-48) controlling emissions from the electronic shredder, magnetic belt separator, and sizer, shall not exceed 0.5 pounds per hour
- (b) Lead emissions from the baghouse (DFO 3-60) controlling emissions from the two (2) eddy current sorters and two (2) finder emission units, shall not exceed 0.5 pounds per hour.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, shall limit the source-wide total potential to emit of any single HAP to less than ten (10) tons per twelve (12) consecutive month period, total HAPs to less than twenty-five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-7 (Part 70 Permits), and 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP) not applicable, and this source is an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

D.1.4 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of the following operations shall not exceed the pound per hour limits listed in the table below:

Unit Description	Control Device	Maximum Throughput Rate (tons/hr)	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
E-Waste Shredder	DFO 4-48	8.75	17.54
Magnetic Belt Separator			
Sizer			
Two (2) Eddy Current Sorters	DFO 3-60	5.25	12.45
Two (2) Finders	DFO 3-60	4.11	10.57
V-CAD Sorter	DFO 3-12	2.38	7.33
Material transfer conveyors	-	8.75 (each)	17.54 (each)

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

Where E = rate of emission in pounds per hour; and
 P = process weight rate in tons per hour

D.1.6 Particulate and HAPs Control

In order to assure compliance with Conditions D.1.1, D.1.2, D.1.3, and D.1.4, the baghouses (DFO 4-48 and DFO 3-60) for PM, PM₁₀, PM_{2.5} and metallic HAPs control shall be in operation at all times when the electronic shredding and separating process is in operation.

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.7 Testing Requirements [326 IAC 2-1.1-11]

- (a) In order to demonstrate compliance with Condition D.1.1(a), D.1.2(a), D.1.2(b), and D.1.3(a), the Permittee shall perform PM, PM₁₀, PM_{2.5} testing of the baghouse (DFO 4-48) utilizing methods as approved by the Commissioner at least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition. PM₁₀ and PM_{2.5} includes filterable and condensable PM.
- (b) In order to demonstrate compliance with Condition D.1.1(b), D.1.2(c), D.1.2(d), and D.1.3(b), the Permittee shall perform PM, PM₁₀, PM_{2.5} testing of the baghouse (DFO 3-60) utilizing methods as approved by the Commissioner at least once every 5 years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee’s obligation with regard to the performance testing required by this condition. PM₁₀ and PM_{2.5} includes filterable and condensable PM.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

~~D.3.1 Particulate Emission Limitations [326 IAC 6-3-2]~~

~~Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the flat panel shredder shall not exceed 8.29 pounds per hour when operating at a process weight rate of 2.86 tons per hour.~~

~~The pounds per hour limitation was calculated with the following equation:~~

~~Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:~~

$$E = 4.10 P^{0.67}$$

~~Where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour~~

D.2.1 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of the following operations shall not exceed the pound per hour limits listed in the table below:

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
FS-1	E-waste shredder	2.86	FC-1 and FC-2	8.29
N/A	Material transfer conveyors	2.50 (each)	-	7.58 (each)

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

**Where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour**

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on July 15, 2020.

The operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 063-43062-00082. The staff recommends to the Commissioner that the FESOP Significant Permit Revision be approved.

IDEM Contact

- (a) If you have any questions regarding this permit, please contact James Sperl, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 232-0459 or (800) 451-6027, and ask for James Sperl or (317) 232-0459.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <http://www.in.gov/idem/airquality/2356.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Summary of Emissions**

Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Spertl

Uncontrolled Potential To Emit (tons/yr)									
Emission Unit	PM	PM10	PM2.5 *	SO2	NOx	VOC	CO	Worst-Case HAP	Total HAPs
Shredder Process	2146.20	2146.20	2146.20	0.00	0.00	0.00	0.00	18.97 #REF!	23.29
Shredder Conveyers	2.07	0.76	0.76	0.00	0.00	0.00	0.00	0.02 Lead	0.02
Finders Process	1708.20	1708.20	1708.20	0.00	0.00	0.00	0.00	15.10 #REF!	18.54
V-CAD Sorter	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00 -	0.00
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.33	0.24	3.64	0.08 Hexane	0.08
Flat Panel Shredder	4.38	4.38	4.38	0.00	0.00	0.00	0.00	0.16 Mercury	0.16
Flat Panel Conveyers	0.10	0.04	0.04	0.00	0.00	0.00	0.00	0.00 -	0.00
Welding	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Total (Excluding Fugitives)	3866.03	3864.91	3864.91	0.03	4.33	0.24	3.64	34.09 Lead	42.10
Paved Roads	5.65	1.13	0.28	0.00	0.00	0.00	0.00	0.00	0.00

*PM2.5 = direct PM2.5

**The welders are used strictly for maintenance purposes so a conservative estimate of 0.5 tons per year has been added to account for these emissions

***V-CAD sorter emissions are an estimate

Controlled Potential To Emit (tons/yr)									
Emission Unit	PM	PM10	PM2.5 *	SO2	NOx	VOC	CO	Worst-Case HAP	Total HAPs
Shredder Process	2.15	2.15	2.15	0.00	0.00	0.00	0.00	0.02 Lead	23.29
Shredder Conveyers	2.07	0.76	0.76	0.00	0.00	0.00	0.00	0.02 Lead	0.02
Finders Process	1.71	1.71	1.71	0.00	0.00	0.00	0.00	0.02 Lead	18.54
V-CAD Sorter	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00 -	0.00
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.33	0.24	3.64	0.08 Hexane	0.08
Flat Panel Shredder	4.38	4.38	4.38	0.00	0.00	0.00	0.00	0.16 Mercury	0.16
Flat Panel Conveyers	0.10	0.04	0.04	0.00	0.00	0.00	0.00	0.00 -	0.00
Welding	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Total (Excluding Fugitives)	15.49	14.36	14.36	0.03	4.33	0.24	3.64	0.05 Lead	42.10
Paved Roads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*PM2.5 = direct PM2.5

**The welders are used strictly for maintenance purposes so a conservative estimate of 0.5 tons per year has been added to account for these emissions

***V-CAD sorter emissions are an estimate

Potential To Emit After Issuance (tons/yr)									
Emission Unit	PM	PM10	PM2.5 *	SO2	NOx	VOC	CO	Worst-Case HAP	Total HAPs
Shredder Process	43.80	43.80	43.80	0.00	0.00	0.00	0.00	2.19 Lead	2.28
Shredder Conveyers	2.07	0.76	0.76	0.00	0.00	0.00	0.00	0.02 Lead	0.02
Finders Process	21.90	21.90	21.90	0.00	0.00	0.00	0.00	2.19 Lead	5.63
V-CAD Sorter	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00 -	0.00
Natural Gas Combustion	0.08	0.33	0.33	0.03	4.33	0.24	3.64	0.08 Hexane	0.08
Flat Panel Shredder	4.38	4.38	4.38	0.00	0.00	0.00	0.00	0.16 Mercury	0.16
Flat Panel Conveyers	0.10	0.04	0.04	0.00	0.00	0.00	0.00	0.00 -	0.00
Welding	0.50	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Total (Excluding Fugitives)	77.33	76.21	76.21	0.03	4.33	0.24	3.64	4.40 Lead	8.17
Paved Roads	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

*PM2.5 = direct PM2.5

**The welders are used strictly for maintenance purposes so a conservative estimate of 0.5 tons per year has been added to account for these emissions

***V-CAD sorter emissions are an estimate

***Shaded cells indicate emissions with limits

**Appendix A: Emissions Calculations
E-Waste Shredder Process Emissions**

Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Spertl

Emission Unit(s)	PM Tested Value* (lb/hr)	PM/PM10/PM2.5 Emissions after Control (tn/yr)	Control Efficiency	PM/PM10/PM2.5 Emissions Before Control (lb/hr)	PM/PM10/PM2.5 Emissions Before Control (tn/yr)
Shredder, Magnetic Belt Separator, Sizer	0.49	2.15	99.90%	490.00	2146.20

Emission Unit(s)	Limited PM Emissions (lb/hr)	Limited PM Emissions (tn/yr)	Limited PM10 Emissions (lb/hr)	Limited PM10 Emissions (tn/yr)	Limited PM2.5 Emissions (lb/hr)	Limited PM2.5 Emissions (tn/yr)
Shredder, Magnetic Belt Separator, Sizer	10.00	43.80	10.00	43.80	10.00	43.80

Note:

Assumed PM = PM2.5 = PM10

Both the cyclone collection system (CYL-01) and baghouse (DFO 4-48) are used in series as controls for the shredder and magnetic belt separator.

The sizer is controlled by the baghouse (DFO 4-48) only.

*Test results from 8/1/2018

Methodology:

PM PTE Before Control (tons/yr) = PM PTE After Controls (tons/year) / (1 - Control Efficiency (%))

PM10/PM2.5 PTE Before Control (tons/yr) = PM10/PM2.5 PTE After Controls (tons/year) / (1 - Control Efficiency (%))

After Control (tons/yr) = PM Tested Value (lbs/hr) * 8,760 hrs / 2,000 lbs

HAP Percentages								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0.0471%	0.0011%	0.0143%	0.0161%	0.0080%	0.1130%	0.0008%	0.0009%	0.8840%

HAP Emissions Before Controls									
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead	Combined HAPs
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
1.01	0.02	0.31	0.35	0.17	2.43	0.02	0.02	18.97	23.29

HAP Emissions After Controls									
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead	Combined HAPs
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
1.01E-03	2.34E-05	3.07E-04	3.46E-04	1.71E-04	2.43E-03	1.74E-05	1.95E-05	1.90E-02	2.33E-02

HAP Emissions Limited									
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead	Combined HAPs
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
2.06E-02	4.77E-04	6.26E-03	7.05E-03	3.48E-03	4.95E-02	3.55E-04	3.99E-04	2.19	2.28

Note:

HAP Percentages provided by source based on Glass Dust Lab Analysis

Methodology:

HAP Emissions Before Control (tons/yr) = PM PTE Before Control (tons/yr) * Maximum HAP Content (%)

HAP Emissions After Control (tons/yr) = Before Control (tons/yr) * (1- Control Efficiency (%))

**Appendix A: Emissions Calculations
Shredder Conveyor System Emissions**

**Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Sperl**

Conveyors

Process Description	Number of Emission Points	Maximum Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PTE of PM (lb/hr)	PTE of PM (tons/yr)	PM10 Emission Factor (lbs/ton)	PTE of PM10 (tons/yr)	PM2.5 Emission Factor (lbs/ton)	PTE of PM2.5 (tons/yr)
Shredder Conveyor Transfer Points	18	8.75	3.00E-03	0.03	2.07	1.10E-03	0.76	1.10E-03	0.76
Potential Emissions:					2.07		0.76		0.76

Note:

The emission factor for conveyor transfer points are from AP-42, Chapter 11.19, Table 11.19.2-2 (SCC 3-05-020-06) (8/04).
No emission factor is identified for PM2.5 for dry conveying, therefore it is assumed PM10 = PM2.5

Methodology:

PTE (tons/yr) = Number of Emission Points x Maximum Capacity (tons/hr) x Emission Factor (lbs/ton) x 8760 (hrs/yr) x 1 ton/2000 lbs

PTE of PM (lb/hr) = Maximum Capacity (tons/hr) * PM Emission Factor (lbs/ton)

PTE of Lead (tons/yr) = PTE of PM (tons/yr) * Maximum Lead Content (%)

HAP Percentages								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0.0471%	0.0011%	0.0143%	0.0161%	0.0080%	0.1130%	0.0008%	0.0009%	0.8840%

HAP PTE								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
9.75E-04	2.26E-05	2.96E-04	3.33E-04	1.65E-04	2.34E-03	1.68E-05	1.88E-05	0.02

Combined HAPs
(tons/yr)
0.02

Note:

HAP Percentages provided by source based on Shredder Dust Lab Analysis

Methodology:

HAP PTE (tons/yr) = PTE of PM (tons/yr) * Maximum HAP Content (%)

Appendix A: Emissions Calculations
E-Waste Shredder Process (exhausting to DFO 3-60) Emissions

Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Sperl

Emission Unit(s)	PM Tested Value* (lbs/hr)	PM PTE After Control		PM10/PM2.5 PTE After Control	
		(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)
Eddy Current Sorters, Finders	0.39	0.39	1.71	0.39	1.71

Emission Unit(s)	Control Efficiency (%)	PM PTE Before Control		PM10/PM2.5 PTE Before Control	
		(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)
Eddy Current Sorters, Finders	99.90%	390.00	1708.20	390.00	1708.20

Emission Unit(s)	PM PTE Limited		PM10/PM2.5 PTE Limited	
	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)
Eddy Current Sorters, Finders	5.00	21.90	5.00	21.90

Note:

Assumed PM = PM2.5 = PM10

Emissions from the Finders and Eddy Current Sorters emission units are controlled by the Donaldson Baghouse (DFO 3-60).

*Test results from 8/1/2018

Methodology:

PM PTE Before Control (tons/yr) = PM PTE After Controls (tons/year) / (1 - Control Efficiency (%))

PM10/PM2.5 PTE Before Control (tons/yr) = PM10/PM2.5 PTE After Controls (tons/year) / (1 - Control Efficiency (%))

After Control (tons/yr) = PM Tested Value (lbs/hr) * 8,760 hrs / 2,000 lbs

HAP Percentages								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
0.0471%	0.0011%	0.0143%	0.0161%	0.0080%	0.1130%	0.0008%	0.0009%	0.8840%

P Emissions Before Controls								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
0.80	0.02	0.24	0.28	0.14	1.93	0.01	0.02	15.10

Combined HAPs
(tons/yr)
18.54

AP Emissions After Controls								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
8.05E-04	1.86E-05	2.44E-04	2.75E-04	1.36E-04	1.93E-03	1.38E-05	1.55E-05	1.51E-02

Combined HAPs
(tons/yr)
1.85E-02

HAP Emissions Limited								
Antimony	Arsenic	Cadmium	Chromium	Colbalt	Nickel	Selenium	Mercury	Lead
(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
8.05E-01	1.86E-02	2.44E-01	2.75E-01	1.36E-01	1.93E+00	1.38E-02	1.55E-02	2.19

Combined HAPs
(tons/yr)
5.63

Note:

HAP Percentages provided by source based on Glass Dust Lab Analysis

Methodology:

HAP Emissions Before Control (tons/yr) = PM PTE Before Control (tons/yr) * Maximum HAP Content (%)

HAP Emissions After Control (tons/yr) = Before Control (tons/yr) * (1 - Control Efficiency (%))

**Appendix A: Emissions Calculations
Natural Gas Combustion Only**

**Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Sperl**

Heat Input Capacity MMBtu/hr	mmBtu mmscf	Potential Throughput MMCF/yr
10.09	1020	86.7

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.08	0.33	0.33	0.03	4.33	0.24	3.64

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Hazardous Air Pollutants (HAPs)

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	9.1E-05	5.2E-05	3.2E-03	7.8E-02	1.5E-04	0.08

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	2.2E-05	4.8E-05	6.1E-05	1.6E-05	9.1E-05	2.4E-04

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Total HAPs	0.08
Worst HAP	0.08 Hexane

**Appendix A: Emissions Calculations
Flat Panel Television & Monitor Shredder**

Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Spertl

Potential to Emit Mercury (Hg) Vapor and PM/PM10/PM2.5

The flat panel processing system may be used to process monitors of any size. Calculations are based on the expected worst case emissions of all 32" LCD screens.

Emission Unit	Maximum Throughput Rate (lbs/hr)	Maximum Throughput Rate (tons/hr)	Maximum Throughput Rate (lbs/day)	Uncontrolled PM/PM ₁₀ /PM _{2.5} Emission Factor ¹ (lbs/ton)	Avg. Weight of 32" Monitors (lbs)	Number of 32" Monitors Processed per day	Number of lamps per 32" Monitor	Maximum Capacity (lamps/day)	Mercury Content ² (mg/lamp)	Mercury Content (lb/lamp)
Flat Panel Shredder	5,720	2.86	137,280.00	0.35	31	4428.39	26	115,138.06	3.50	7.72E-06

Emission Unit	Uncontrolled PM/PM ₁₀ /PM _{2.5} Emissions (lbs/hr)	Uncontrolled PTE of PM/PM ₁₀ /PM _{2.5} Emissions (tons/yr)	PM/PM ₁₀ /PM _{2.5} Control Efficiency	Controlled PTE of PM/PM ₁₀ /PM _{2.5} Emissions (tons/yr)	Uncontrolled PTE Mercury (tons/yr)	Mercury Control Efficiency	Controlled Mercury Emissions (tons/yr)
Flat Panel Shredder	1.00	4.38	85.0%	0.66	0.16	99.99%	1.62E-05

NOTES

(1) The emission factor used to quantify emissions from the shredding and granulation operations is from AP-42 Fourth Edition, Volume 1, 1985, Table 10.3-1, and FIRE for SCC 30700802 (revoked 1/1/2002) for log sawing, since there are no emission factors available in AP-42 or FIRE for plastic grinding process.

* In the absence of valid PM10 and PM 2.5 emission factors, these emissions are assumed equal to PM emissions.

(2) Based on information from the summary research report "The Location and Character of Mercury in Waste LCD Backlights." located at:
http://www.alr.ie/Download/Mercury_in_waste_LCD_backlights_summary_research_report.63ad9220.11115.pdf

Methodology

Uncontrolled PM, PM₁₀, PM_{2.5} PTE (lbs/hr) = Max. Throughput Rate (tons/hr) x Emission Factor (lbs/tons)

Uncontrolled PM, PM₁₀, PM_{2.5} PTE (tons/yr) = Uncontrolled PTE (lbs/hr) x 8760 hrs/yr x 1 ton/2000 lbs

Controlled PTE (tons/yr) = Uncontrolled PTE (tons/yr) * (1 - Control Efficiency)

Maximum Number of 32" Monitors Processed (Monitors/day) = Maximum Throughput Rate (lbs/day) / Average weight of 32" Monitor (lbs)

Maximum Capacity (lamps/day) = [Maximum number of 32" Monitors processed (Monitors/day)] * [Number of lamps per 32" Monitor (Number of lamps/32" Monitor)]

Maximum Capacity (lbs lamps/day) = [Maximum Capacity (lamps/day)] * [Average lamp Weight (lbs/lamp)]

Maximum Mercury Vapor Content (lb/lamp) = [Maximum Mercury Vapor Content (mg/lamp)] * [gram/1000 mg] * [lb/453.6 gram]

Uncontrolled Mercury Emissions (tons/year) = [Maximum Capacity (lamps/day)] * [Maximum Mercury Vapor Content (lb/lamp)] * [365 days/year] * [ton/2000 lbs]

Controlled Mercury Emissions (tons/year) = [Uncontrolled Mercury Emissions (tons/year)] * [1 - Control Efficiency (%)]

Appendix A: Emissions Calculations
Flat Panel Shredder Conveyor System Emissions

Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Sperl

Conveyors

Process Description	Number of Emission Points	Maximum Capacity (tons/hr)	PM Emission Factor (lbs/ton)	PTE of PM (lb/hr)	PTE of PM (tons/yr)	PM10 Emission Factor (lbs/ton)	PTE of PM10 (tons/yr)	PM2.5 Emission Factor (lbs/ton)	PTE of PM2.5 (tons/yr)
Shredder Conveyor Transfer Points	3	2.5	3.00E-03	0.01	0.10	1.10E-03	0.04	1.10E-03	0.04
Potential Emissions:					0.10		0.04		0.04

Note:

The emission factor for conveyor transfer points are from AP-42, Chapter 11.19, Table 11.19.2-2 (SCC 3-05-020-06) (8/04).
 No emission factor is identified for PM2.5 for dry conveying, therefore it is assumed PM10 = PM2.5

Methodology:

PTE (tons/yr) = Number of Emission Points x Maximum Capacity (tons/hr) x Emission Factor (lbs/ton) x 8760 (hrs/yr) x 1 ton/2000 lbs

PTE of PM (lb/hr) = Maximum Capacity (tons/hr) * PM Emission Factor (lbs/ton)

PTE of Lead (tons/yr) = PTE of PM (tons/yr) * Maximum Lead Content (%)

**Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads**

**Company Name: Electronic Recyclers Int'l Inc.
Address City IN Zip: 3100 Reeves Road, Plainfield, IN 46168
Administrative Amendment: 063-43062-00082
Reviewer: James Sperl**

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Number of one-way trips per hour per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Fully Loaded Big Rig	1.2	28.80	40.0	1152.00	1150	0.218	6.27	2289.55
Empty Big Rig	1.2	28.80	18.0	518.40	1150	0.218	6.27	2289.55
Total		57.60		1670.40			12.55	4579.09

Average Vehicle Weight Per Trip =

29.00

 tons/trip
Average Miles Per Trip =

0.22

 miles/trip

Unmitigated Emission Factor, $E_f = [k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

where k =	PM	PM10	PM2.5	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1) tons = average vehicle weight (provided by source) sL = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3
W =	0.011	0.0022	0.00054	
sL =	29.0	29.0	29.0	

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$
where p =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =

365

 days per year

Unmitigated Emission Factor, $E_f =$	PM	PM10	PM2.5	lb/mile
Mitigated Emission Factor, $E_{ext} =$	2.698	0.540	0.1324	
	2.467	0.493	0.1211	lb/mile

Process	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Fully Loaded Big Rig	2.82	0.56	0.14
Empty Big Rig	2.82	0.56	0.14
Total	5.65	1.13	0.28

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Mitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

October 6, 2020

Aaron Blum
Electronic Recyclers International, Inc.
7815 North Palm Avenue
Fresno, CA 93711

Re: Public Notice
Electronic Recyclers International, Inc.
Permit Level: FESOP – Significant Permit Revision
(Minor PSD/EO)
Permit Number: 063-43062-00082

Dear Mr. Aaron Blum:

Enclosed is a copy of the preliminary findings for your draft air permit, including the draft permit, Technical Support Document, emission calculations, and the Notice of 30-Day Period for Public Comment.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. The Notice of 30-Day Period for Public Comment (without supporting documents) has also been sent to the OAQ Permits Branch Interested Parties List and, if applicable, your Consultant/Agent and/or Responsible Official/Authorized Individual.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: <https://www.in.gov/idem/5474.htm>

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Plainfield-Guilford Public Library, 1120 Stafford Road in Plainfield, IN 46168. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to James Sperl, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 2-0459 or dial (317) 232-0459.

Sincerely,
Kathy Bourquein

Kathy Bourquein
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter 8/10/2020



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Bruno L. Pigott
Commissioner

October 6, 2020

To: Plainfield-Guilford Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: Electronic Recyclers International, Inc.
Permit Number: 063-43062-00082

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library updated 4/2019



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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

Notice of Public Comment

October 6, 2020
Electronic Recyclers International, Inc.
063-43062-00082

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM's Public Notice website at <https://www.in.gov/idem/5474.htm>.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at JBRUSH@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover Letter 2/28/2020



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Eric J. Holcomb
Governor

Bruno L. Pigott
Commissioner

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD DRAFT INDIANA AIR PERMIT

October 6, 2020

A 30-day public comment period has been initiated for:

Permit Number: 063-43062-00082
Applicant Name: Electric Recyclers International, Inc.
Location: Plainfield, Hendricks County, Indiana

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:

<http://www.in.gov/ai/appfiles/idem-caats/>

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification 1/9/2017

Mail Code 61-53

IDEM Staff	KBOURQUE 10/6/2020 Electronic Recyclers International Incorporated 063-43062-00082 (draft)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Aaron Blum Electronic Recyclers International Incorporated 7815 N Palm Ave Fresno CA 93711 (Source CAATS)									
2		Larry and Becky Bischoff 10979 North Smokey Row Road Mooresville IN 46158 (Affected Party)									
3		Hendricks County Commissioners 355 S Washington Danville IN 46122 (Local Official)									
4		Plainfield-Guilford Township Public Library 1120 Stafford Rd Plainfield IN 46168-2230 (Library)									
5		Betty Bartley P.O. Box 149 Danville IN 46122 (Affected Party)									
6		Plainfield Town Council and Town Manager 206 West Main Street Plainfield IN 46168 (Local Official)									
7		Hendricks County Health Department 355 S Washington Street, Suite G30 Danville IN 46122-1759 (Health Department)									
8		Kathy Linton The Lebanon Reporter 117 E Washington St Lebanon IN 46052 (Affected Party)									
9											
10											
11											
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