



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 • (217) 782-2829  
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, IL 60601 • (312) 814-6026

PAT QUINN, GOVERNOR

217/524-3300

October 7, 2011

Certified Mail  
7009 2820 0001 7489 7970

**OWNER/OPERATOR**

Illinois Recycling and Renewable Fuels  
Attn: M.L. Smith  
21686 East Lincoln Highway  
Lynwood, Illinois 60411

Re: 0310455284 -- Cook County  
Indiana Recycling (dba Illinois Recycling and Renewable Fuels)  
Permit No. 2011-149 DE  
Log No. 2011-149  
Permit File

Dear Mr. Smith:

Permit is hereby granted to Illinois Recycling and Renewable Fuels as owner and operator, to develop and operate a facility to receive, treat and transfer municipal waste as described below, at a facility consisting of 27.57 acres in the NW Quarter of Section 22, all in T35N, RME, 3<sup>rd</sup> Principal Meridian, also described as 1301 South State Street, Chicago Heights, Illinois 60411, all in accordance with the application prepared by Kevin Coughlin, P.E., of Conestoga-Rovers & Associates, signature dated April 14, 2011.

The facility consists of a transfer building with six unloading areas and the employee area, administrative and scalehouse building, landscaping, stormwater management system, and paved driveways and parking areas. Final plans, specifications, application, and supporting documents, as submitted and approved, shall constitute part of this permit and are identified in the records of the Illinois Environmental Protection Agency (Illinois EPA), Bureau of Land, Division of Land Pollution Control by the permit number and log number designated in the heading above.

The application Log 2011-149 consists of the following documents:

<u>DOCUMENT</u>	<u>DATED</u>	<u>DATE RECEIVED</u>
Original Application	April 18, 2011	April 19, 2011
Additional Information	April 25, 2011	April 28, 2011
	April 25, 2011	May 11, 2011
	May 18, 2011	May 18, 2011

Rockford • 4302 N. Main St., Rockford, IL 61103 • (815) 987-7760

Elgin • 595 S. State, Elgin, IL 60123 • (847) 608-3131

Bureau of Land – Peoria • 7620 N. University St., Peoria, IL 61614 • (309) 693-5462

Collinsville • 2009 Mall Street, Collinsville, IL 62234 • (618) 346-5120

Des Plaines • 9511 W. Harrison St., Des Plaines, IL 60016 • (847) 294-4000

Peoria • 5415 N. University St., Peoria, IL 61614 • (309) 693-5463

Champaign • 2125 S. First St., Champaign, IL 61820 • (217) 278-5800

Marion • 2309 W. Main St., Suite 116, Marion, IL 62959 • (618) 993-7200

<u>DOCUMENT</u>	<u>DATED</u>	<u>DATE RECEIVED</u>
	May 18, 2011	May 19, 2011
	May 27, 2011	May 27, 2011
	June 3, 2011	June 3, 2011
	June 10, 2011	June 13, 2011

Pursuant to Section 39(a) of Illinois Environmental Protection Act (Act) and 35 Ill. Adm. Code 807.201, this permit is issued subject to the development, operating and reporting requirements for non-hazardous waste management facilities in 35 Ill. Adm. Code, Part 807, the standard conditions attached hereto and incorporated herein by reference, and further subject to the following special conditions. In case of conflict between the permit application and these conditions (both standard and special), the conditions of this permit shall govern.

A. Development and Operation

1. This permit is for construction and development only. No waste may be received at the site until an operating permit is issued by the Illinois EPA, Bureau of Land, Permit Section. After completion of development, the permittee shall submit an application for an operating permit to the Illinois EPA containing all applicable construction test results and reports.
2. This permit allows for the construction and development of the units listed below:

<u>Unit Designation</u>	<u>Approximate Size</u>	<u>Proposed Use</u>
a. Tipping Area (5400 tons)	285' long x 115' wide to processing	storage of waste prior
b. 2 feed lines with picking grapples, flail bag openers and magnets		to remove unacceptable materials, to break open bags and boxes, and to recover ferrous material
c. Processing Lines (3)	46 tons per hr.	separation of waste into sizes
i) primary trommels (3)		removal of inert material
ii) shredders (3)		to remove aluminum cans
iii) magnets (14)		to remove ferrous material
iv) secondary trammels (2)		to remove unacceptable
v) air classifiers (4)		material for waste removal
vi) cyclone separators (7)		and recovery of recyclable materials
d. RDF Storage Area	2,500 tons (Room 5)	storage and compacting of

RDF prior to transfer offsite

- e. Rail Loadout Area      180' long x 75' wide      allows two rail cars to be top loaded with pre-compacted RDF
  - f. all corresponding sumps, pumps, conveyors, bag filters, loading and unloading areas and appurtenances
3. This permit authorizes the development of a facility to receive and transfer an average of 2,700 tons per day of municipal solid waste (i.e., household, commercial and institutional waste). Once an operating permit is received, only non-hazardous solid wastes may be received, no potentially infectious medical waste, hazardous wastes, industrial process waste or special waste maybe accepted at this facility. Industrial process waste does not include uncontaminated corrugated cardboard, wooden crates and pallets, plastics (both packaging and rigid materials), office waste (primarily paper and plastic) and cafeteria waste.
  4. The Permittee shall ensure site surface drainage during development, during operation, and after the site is closed shall be such that adjacent property owners encounter no adverse effects.
  5. This permit is issued with the expressed understanding that no process discharge to Waters of the State or to a sanitary sewer will occur from these facilities, except as authorized by a permit from the Bureau of Water.
  6. The Permittee shall notify the Illinois EPA of any changes from the information submitted to the Illinois EPA in its application for a Development and Operating permit for this site. The Permittee shall notify the Illinois EPA of any changes in the names or addresses of both beneficial and legal titleholders to the herein-permitted site. Such notification shall be made in writing within fifteen (15) days of such change and shall include the name or names of any parties in interest and the address of their place of abode; or, if a corporation, the name and address of its registered agent.
  7. After an operating permit is issued the facility may receive waste at the site from 5:00 a.m. to 9:00 p.m. Monday through Saturday. Prior to issuance of an operating permit no waste may be received at the facility.

8. Fire safety equipment (fire suppression and fire extinguishers) shall be maintained in accordance with recommended practice.
9. The best available technology (mufflers, berms and other sound shielding devices) shall be employed to minimize equipment noise impacts on property adjacent to the site during both development, operation and during any applicable post-closure care period.
10. A vector control specialist shall inspect the transfer station building at least quarterly. If necessary, vector control measures shall be taken.
11. The operator shall ensure that at least once during every 24 hour period, all waste shall be removed from the tipping floor, Pile Area No. 1 and Compacted Pile 2 to allow for cleaning. These floors shall be swept once every 24 hours to remove all waste.
12. The Permittee shall ensure that all incoming and outgoing vehicles hauling waste shall be covered or closed to contain waste and prevent its escape onto public roadways. Facility personnel shall conduct a daily facility inspection, collect litter, and properly manage the accumulated waste.
13. The Permittee shall control odors and suppress dust created by facility activities and waste hauling to prevent off-site migration. If the facility receives a complaint, the Permittee shall notify the Des Plaines Regional Office. If the introduction of masking agents through a portable system is not adequate to prevent the detection of odors that occur off-site as a result of the municipal solid waste, the Permittee must submit an application to modify the permit as necessary to control odors.
14. If the Permittee observes unacceptable waste during delivery to the facility during unloading, the Permittee shall reject the waste in accordance with the procedures in Application Log No. 2011-149.
15. Management of Unauthorized Waste by the Permittee
  - a. Lead-acid batteries mixed with municipal waste will be removed the same day and transported either to a drop-off center handling such waste, or to a lead-acid battery retailer.
  - b. Hazardous waste and potentially infectious medical waste mixed with municipal waste shall be containerized separately and removed as soon as possible by a licensed special waste hauler. Special wastes shall be

transported to a licensed special waste management facility that has obtained authorization to accept such waste utilizing the Illinois EPA's special waste hauling and manifest system. The Permittee shall maintain a contract with haulers so that the immediate removal is ensured. The Permittee shall develop an emergency response/action plan for such occurrences.

- c. Asbestos debris from construction-demolition shall be managed in accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAPS) regulations.
  - d. Tires found to be mixed with municipal waste shall be removed and managed in accordance with Section 55 of the Act [415 ILCS 5/55].
  - e. White good components mixed with municipal waste shall be removed and managed in accordance with Section 22.28 of the Act [415 ILCS 5/22.28].
  - f. No person may knowingly mix liquid used oil with any municipal waste that is intended for collection and disposal at a landfill in accordance with Section 21.6 of the Act [415 ILCS 5/21.6].
  - g. After the unauthorized waste has been removed from the transfer station, a thorough cleanup of the affected area will be made according to the type of unauthorized waste managed. Records shall be kept for three years and will be made available to the Illinois EPA-BOL upon request.
16. The Permittee shall maintain monthly records of the following items:
- i. The amount of municipal solid waste received (tons/month);
  - ii. The amount of unacceptable waste shipped, the date and the person receiving the unacceptable waste shipped off-site;
  - iii. The total amount of refuse derived fuel (RDF) shipped off-site (tons/months); and
  - iv. The total amount of each recyclable stream shipped off-site (tons/month).
17. The facility shall perform routine housekeeping as outlined in Section 9.3.2 of the approved application Log # 2011-149, to control litter. Routine housekeeping measures at a minimum shall include:
- a. inspection and maintenance of the equipment in accordance with the manufacturer's recommendations;

- b. periodic sweeping and cleaning of tipping floor, process floors, and loading areas.
  - c. daily inspection and cleanup of yard area from spillage, litter, and other foreign materials;
  - d. weekly inspection and cleaning of drainage basins, oil-water separators, sumps, etc.
  - e. monthly fire and safety inspections.
18. The facility shall be maintained and operated to prevent nuisance odors and litter outside the building by drawing air so that all door openings and wall vents will be under negative draft. In addition, Illinois Recycling shall prepare and maintain a community relations plan (CRP) consistent with 35 Ill. Adm. Code Part 1600, Appendix A. The CRP shall include a protocol to provide the public with the opportunity to contact the facility via telephone to report odor complaints related to the facility activities seven (7) days a week, twenty-four (24) hours per day. The protocol shall include a process to provide notice of the complaint call-in information to the public in an identified geographic area. Records of the complaints and any action taken to rectify the cause of the odor shall be made a part of the facility's operating record.
19. Any modification to the facility shall be the subject of an application for supplemental permit for site modification submitted to the Illinois EPA.
20. The Permittee shall submit a new 39(i) certification and supporting documentation within 30 days of any of the following events:
- a. The owner or officer of the owner, or operator, or any employee who has control over operating decisions regarding the facility has violated federal, State, or local laws, regulations, standards, or ordinances in the operation of waste management facilities or sites; or
  - b. The owner or operator or officer of the owner, or operator, or any employee who has control over operating decisions regarding the facility has been convicted in this or another State of any crime which is a felony under the laws of this State, or conviction of a felony in a federal court; or
  - c. The owner or operator or officer of the owner, or operator, or any employee who has control over operating decisions regarding this facility

has committed an act of gross carelessness or incompetence in handling, storing, processing, transporting, or disposing of waste.

- d. A new person is associated with the owner or operator who can sign the application form(s) or who has control over operating decisions regarding the facility, such as corporate officer or a delegated employee.

The certification shall describe the violation(s), convictions, carelessness or incompetence as outlined in a, b, or c above and must include the date that a new person as described above began employment with the operator. Forms are available at our website @ <http://www.epa.state.il.us/land/regulatory-programs/permits-and-management/forms/index.html#solid-waste-forms>.

The 39i certification and supporting documentation shall be submitted to the address specified below:

Illinois EPA, BOL #33-39i Certification  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, Illinois 62794-9276

21. The Applicant must notify the Agency in writing (i.e., submit an application for an operating permit) that the development of the site has been completed in accordance with 2011-149-DE before a pre-operation site inspection can be conducted or an operating permit issued.

## B. CLOSURE PLAN

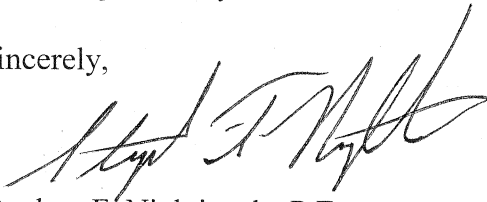
1. The closure plan received by the Illinois EPA on May 11, 2011 is hereby approved in accordance with 35 Ill. Adm. Code, Subtitle G, Part 807.
2. The operator shall notify the Illinois EPA within 30 days after receiving the final volume of waste.
3. The operator shall initiate implementation of the closure plan within 30 days after the site receives its final volume of waste.
4. The operator shall not file any application to modify the closure plan less than 180 days prior to receipt of the final volume of waste.
5. Upon completion of closure activities, the operator will notify the Illinois EPA that the site has been closed in accordance with the approved closure plan

utilizing the Illinois EPA's "Affidavit for Certification of Completion of Closure of Non-Hazardous Waste Facilities."

Within 35 days of the date of mailing of the Illinois EPA's final decision, the applicant may petition for a hearing before the Illinois Pollution Control Board to contest the decision of the Illinois EPA, however, the 35-day period for petitioning for a hearing may be extended for a period of time not to exceed ninety days by written notice provided to the Board from the applicant and the Illinois EPA within the 35-day initial appeal period.

Work required by this permit, your application or the regulations may also be subject to other laws governing professional services, such as the Illinois Professional Land Surveyor Act of 1989, the Professional Engineering Practice Act of 1989, the Professional Geologist Licensing Act, and the Structural Engineering Licensing Act of 1989. This permit does not relieve anyone from compliance with these laws and the regulations adopted pursuant to these laws. All work that falls within the scope and definitions of these laws must be performed in compliance with them. The Illinois EPA may refer any discovered violation of these laws to the appropriate regulating authority.

Sincerely,



Stephen F. Nightingale, P.E.  
Manager, Permit Section  
Bureau of Land

SFN:MAS:mls\112212s.doc

Attachment 1: Legal Description of the Property

cc: Don Sutton, P.E., Conestoga-Rovers & Associates

bcc: Bureau File  
Des Plaines Region  
Ted Dragovich  
Charlie Zeal  
Michael Dragovich  
Mark Schollenberger



## LEGAL DESCRIPTION

THAT PART OF THE NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 35 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF THE SAID NORTHWEST QUARTER; THENCE NORTH 00 DEGREES 04 MINUTES 40 SECONDS WEST ALONG THE WEST LINE OF THE SAID NORTHWEST QUARTER 330.00 FEET; THENCE SOUTH 89 DEGREES 56 MINUTES 05 SECONDS EAST 77.00 FEET; THENCE NORTH 00 DEGREES 04 MINUTES 40 SECONDS WEST 501.00 FEET; THENCE SOUTH 89 DEGREES 56 MINUTES 05 SECONDS EAST 1211.89 FEET; THENCE NORTH 00 DEGREES 05 MINUTES 05 SECONDS WEST 495.12 FEET TO THE SOUTH LINE OF THE NORTH HALF OF THE SAID NORTHWEST QUARTER; THENCE SOUTH 89 DEGREES 56 MINUTES 13 SECONDS EAST ALONG SAID SOUTH LINE 220.50 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 89 DEGREES 56 MINUTES 13 SECONDS EAST 383.06 FEET; THENCE NORTH 01 DEGREES 17 MINUTES 40 SECONDS EAST 306.82 FEET; THENCE NORTH 89 DEGREES 56 MINUTES 01 SECONDS 743.48 FEET TO THE EAST LINE OF THE SAID NORTHWEST QUARTER; THENCE NORTH 00 DEGREES 06 MINUTES 43 SECONDS WEST ALONG THE SAID EAST LINE 842.06 FEET TO A POINT OF CURVE ON THE SOUTHERLY RIGHT OF WAY LINE OF THE CHICAGO HEIGHTS TERMINAL TRANSFER RAILROAD COMPANY, SAID POINT OF CURVE BEING 177.20 FEET SOUTH OF THE NORTHEAST CORNER OF THE SAID NORTHWEST QUARTER; THENCE NORTHWESTERLY ALONG SAID CURVE, CONVEX TO THE NORTHEAST, HAVING A RADIUS OF 1178.11 FEET; A CHORD OF 231.89, AND A CHORD BEARING OF NORTH 40 DEGREES 11 MINUTES 01 SECONDS WEST, 232.27 FEET TO THE NORTH LINE OF THE SAID NORTHWEST QUARTER; THENCE NORTH 89 DEGREES 56 MINUTES 13 SECONDS WEST ALONG SAID NORTH LINE 485.60 FEET; THENCE SOUTH 00 DEGREES 22 MINUTES 48 SECONDS EAST 350.11 FEET; THENCE SOUTH 89 DEGREES 58 MINUTES 13 SECONDS WEST 1939.58 FEET TO THE EAST LINE OF STATE STREET; THENCE SOUTH 00 DEGREES 04 MINUTES 40 SECONDS EAST ALONG SAID EAST LINE 80.00 FEET; THENCE NORTH 89 DEGREES 58 MINUTES 13 SECONDS EAST 1444.51 FEET; THENCE SOUTH 00 DEGREES 03 MINUTES 43 SECONDS WEST 894.85 FEET TO THE POINT OF BEGINNING, TO BE KNOWN AS LOT 3 IN THORN CREEK CONSERVANCY INDUSTRIAL PARK SUBDIVISION, CONTAINING 27.56 ACRES, MORE OR LESS.