

May 30, 2003

Mr. Raymond J. Roembke, Jr.
Reclaimed Energy Company, Inc.
1500 Western Avenue
Connersville, IN 47331

Re: 041-17721
Fourth Administrative Amendment to
Part 70 041-6719-00015

Dear Mr. Roembke:

Reclaimed Energy Company, Inc. was issued a Part 70 permit on May 12, 2003 for a stationary chemical recycling source. A letter requesting an administrative amendment was received on May 12, 2003. The requested changes are related to the addition of three (3) insignificant units. The potential to emit of pollutants from each of the units are less than the exemption levels in 326 IAC 2-1.1-3(d)(1). The two tanks being added have storage capacities below the applicability threshold in 40 CFR 60.110b (New Source Performance Standards for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1994). According to 326 IAC 2-7-11(a)(7), an administrative amendment can be used for changes that "revise descriptive information where the revision will not trigger a new applicable requirement or violate a permit term". The requested changes meet the above requirement, therefore, pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.3 is amended as follows:

A.3 ~~Specifically Regulated~~ Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities ~~which are specifically regulated~~, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.
- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) **The following operations with emissions below exemption levels in 326 IAC 2-1.1-3(d)(1), including the following:**
 - (1) **One (1) storage tank for mineral spirits, identified as TK18, with a storage capacity of 10,000 gallons.**

- (2) **One (1) mixing tank, identified as GM-1, for mixing mineral spirits, gilsonite powder and other compounds, with a maximum capacity of 4400 gallons.**
- (3) **One (1) parts washer, using a methyl pyrrolidone and dibasic ester blend as solvent.**

(2) Section D.5 is amended as follows:

Facility Description [326 IAC 2-7-5(15)] Insignificant Activities

- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) **One (1) parts washer, using a methyl pyrrolidone and dibasic ester blend as solvent.**

(3) Section D.5.1 is amended as follows:

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator **of any organic solvent degreasing operation** shall:

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Original signed by Paul dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

mm

cc: File - Fayette County
U.S. EPA, Region V
Fayette County Health Department
Air Compliance Section Inspector - Joe Foyst
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

**PART 70 OPERATING PERMIT
and ENHANCED NEW SOURCE REVIEW
OFFICE OF AIR QUALITY**

**Reclaimed Energy Company, Inc.
1500 Western Avenue
Connersville, Indiana 47331**

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

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 2-7 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.

Operation Permit No.: T 041-6719-00015	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: June 1, 2001 Expiration Date: June 1, 2006
1 st Administrative Amendment No.: 041-14644, issued on August 22, 2001 2 nd Administrative Amendment No.: 041-14835, issued on October 3, 2001 3 rd Administrative Amendment No.: 041-15793, issued on April 18, 2002	
4 th Administrative Amendment No.: 041-17721	Pages Affected: 9, 10, 41

Issued by:Original signed by Paul Dubenetzky
Paul Dubenetzky, Branch Chief
Office of Air Quality

Issuance Date:May 30, 2003

Reclaimed Energy Co., Inc.
Connersville, Indiana
Permit Reviewer: MES

4th Administrative Amendment No. 041-17721
Amended By: Madhurima D. Moulik

Page 9 of 77
OP No. T04106719-00015

- (nn) One (1) product storage tank, known as EU-TK 39, installed in 2001, vented to a catalytic thermal oxidizer, capacity: 10,500 gallons of spent volatile organic compound waste and still bottoms.
- (oo) One (1) product storage tank, known as EU-TK 40, installed in 1984, vented to a catalytic thermal oxidizer, capacity: 3,300 gallons of spent volatile organic compound waste and still bottoms.
- (pp) One (1) product storage tank, known as EU-TK 41, installed in 1984, vented to a catalytic thermal oxidizer, capacity: 3,300 gallons of spent volatile organic compound waste and still bottoms.
- (qq) One (1) product storage tank, known as EU-TK 42, installed in 1984, capacity: 5,100 gallons of process water.
- (rr) One (1) product storage tank, known as EU-TK 50, installed in 1992, capacity: 6,900 gallons of waste volatile organic compounds.
- (ss) One (1) product storage tank, known as EU-TK 51, installed in 1995, vented to a catalytic thermal oxidizer, capacity: 6,800 gallons of volatile organic compounds and distillation heels.
- (tt) One (1) product storage tank, known as EU-TK 52, installed in 1995, vented to a catalytic thermal oxidizer, capacity: 6,900 gallons of volatile organic compounds.
- (uu) One (1) product storage tank, known as EU-TK 53, installed in 1995, vented to a catalytic thermal oxidizer, capacity: 6,900 gallons of volatile organic compounds.
- (w) One (1) over pressurization temporary accumulation vessel, known as EU-V 61, attached to the catalytic thermal oxidizer, installed in 1997, capacity: 165 gallons.
- (ww) Small pilot solvent recycling unit, known as EU-SP, catalytic thermal oxidizer, with batch capacity: 165 gallons.
- (xx) One (1) solid dispersion unit, known as EU-SD 1, consisting of one (1) 250 gallon tub and one (1) dispenser, exhausted through Stacks SD 1 and FI 1, vented to a catalytic thermal oxidizer, throughput capacity: 19,200 gallons per day.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) The following operations with emissions below exemption levels in 326 IAC 2-1.1-3(d)(1), including the following:

Reclaimed Energy Co., Inc.
Connersville, Indiana
Permit Reviewer: MES

4th Administrative Amendment No. 041-17721
Amended By: Madhurima D. Moulik

Page 10 of 77
OP No. T04106719-00015

- (1) One (1) storage tank for mineral spirits, identified as TK18, with a storage capacity of 10,000 gallons.
- (2) One (1) mixing tank, identified as GM-1, for mixing mineral spirits, gilsonite powder and other compounds, with a maximum capacity of 4400 gallons.
- (3) One (1) parts washer, using a methyl pyrrolidone and dibasic ester blend as solvent.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.5

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] Insignificant Activities

- (b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (c) The following equipment related to manufacturing activities not resulting in the emission of HAPS: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (d) One (1) parts washer, using a methyl pyrrolidone and dibasic ester blend as solvent.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of any organic solvent degreasing operation shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.5.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5(a)]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be

easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the