



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 2, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant

RE: EQ Mobil Recycling Services, Inc / 107-18460-05251

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FN-REGIS.dot 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

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Michael Toth-Purcell
EQ Mobil Recycling Services, Inc.
3845 Patterson Street
Winston Salem, North Carolina 27105

June 2, 2004

Re: Registered Construction and Operation Status,
107-18460-05251

Dear Mr. Toth-Purcell:

The application from EQ Mobil Recycling Services, Inc., received on January 28, 2004, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the proposed portable solvent recovery plant, initially located at 400 North Walnut Street, Crawfordsville, Indiana 47933, is classified as registered:

One (1) portable solvent recovery plant, constructed in 2004, consisting of the following:

- (a) One (1) diesel fired generator, with a maximum heat input capacity of 0.98 MMBtu/hr.
- (b) One (1) batch distillation unit, with a maximum capacity of 550 gallons.
- (c) Three (3) condensers.
- (d) One (1) recovered product tank, with a maximum capacity of 150 gallons.
- (e) One (1) electric oil heater.

The following conditions shall be applicable:

1. 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:
 - (a) Opacity shall not exceed an average of twenty percent (20%) 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.
2. This source does not handle any benzene-contained fluids. Therefore, the requirements of 326 IAC 14, 40 CFR 61, Subpart J, V, and FF are not applicable. Any change or modification which results in the source handling a fluid that contains benzene must receive prior approval from IDEM, OAQ.
3. Pursuant to 326 IAC 2-14-4 (Relocation of Portable Sources):

- (a) This permit is approved for operation in all areas in Indiana.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:
 - (1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1
 - (2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8

The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) A "Relocation Site Approval" letter shall be obtained prior to relocating.
 - (d) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one the following:
 - (1) Madison County - (Anderson Office of Air Management)
 - (2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)
 - (3) City of Gary - (Gary Department of Environmental Affairs)
 - (4) City of Hammond - (Hammond Department of Environmental Management)
 - (5) Marion County - (Indianapolis Office of Environmental Services)
 - (6) St. Joseph County - (St. Joseph County Health Department)
 - (7) Vigo County - (Vigo County Air Pollution Control)
 - (e) A valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.
4. Pursuant to 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels), if this source is relocated to Clark, Floyd, Lake or Porter Counties, the storage tank at this source will be subject to the reporting and record keeping provisions of 326 IAC 8-9-6(a) and (b), which have the following requirements:
- (a) The owner or operator of each vessel shall maintain records for the life of the vessel for the following information:
 - (1) The vessel identification number.
 - (2) The vessel dimensions.
 - (3) The vessel capacity.
 - (4) A description of the emission control equipment for each vessel described in 326 IAC 8-9-4 (a) and 4 (b), if applicable, or a schedule for installation of emission control equipment on vessels described in 326 IAC 8-9-4(a) and 4 (b), if applicable, with a certification that the emission control equipment meets the applicable standards.

(b) A report containing the information described in (a) shall be submitted to IDEM, OAQ.

This registration is the first air approval issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

**Compliance Data Section
Office of Air Quality
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Ms. Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

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

ERG/YC

cc: File – Montgomery County
Montgomery County Health Department
Air Compliance – Jim Thorpe
Permit Tracking – Sara Cloe
Compliance Data Section

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3).

Company Name:	EQ Mobil Recycling Services, Inc.
Address:	400 North Walnut Street
City:	Crawfordsville, Indiana 47933
Authorized individual:	Michael Toth-Purcell
Phone #:	(734) 329-8076
Registration #:	107-18460-05251

I hereby certify that EQ Mobil Recycling Services, Inc. is still in operation and is in compliance with the requirements of Registration No. 107-18460-05251.

Name (typed):
Title:
Signature:
Date:

Indiana Department of Environmental Management
Office of Air Quality

**Technical Support Document (TSD) for a
New Source Construction and Registration**

Source Background and Description

Source Name:	EQ Mobil Recycling Services, Inc.
Initial Location:	400 North Walnut Street, Crawfordsville, Indiana 47933
County:	Montgomery
SIC Code:	7389
Registration No.:	107-18460-05251
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed an application from EQ Mobil Recycling Services, Inc. relating to the construction and operation of a portable solvent recovery plant.

Permitted Emission Units and Pollution Control Equipment

There are no permitted facilities operating at this source.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

New Emission Units and Pollution Control Equipment

The application includes information relating to the construction and operation of the following equipment:

One (1) portable solvent recovery plant, constructed in 2004, consisting of the following:

- (a) One (1) diesel fired generator, with a maximum heat input capacity of 0.98 MMBtu/hr.
- (b) One (1) batch distillation unit, with a maximum capacity of 550 gallons.
- (c) Three (3) condensers.
- (d) One (1) recovered product tank, with a maximum capacity of 150 gallons.
- (e) One (1) electric oil heater.

Existing Approvals

There were no air approvals issued to this source.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the construction and operation be approved. This recommendation is based on the following facts and conditions:

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 January 28, 2004. Additional information was received on March 9, 2004 and April 30, 2004.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 2).

Potential to Emit of the Source Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/year)
PM	1.33
PM10	1.33
SO ₂	1.24
VOC	5.16
CO	4.08
NO _x	18.9

HAPs	Potential to Emit (tons/yr)
* Single HAP	Less than 3.66
Total	3.66

*Note: The HAP content for each single HAP contained in the waste solvent varies greatly.

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of criteria pollutants is less than 100 tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-1.1-1(16)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.
- (c) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of criteria pollutants is less than 25 tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-6.1(MSOP).
- (d) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of NO_x is greater than 5.0 ton/yr. Therefore, the source is not subject to the provisions of 326 IAC 2-1.1-3 (Exemptions).

- (e) **Fugitive Emissions**
Since this type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset.

County Attainment Status

The source is initially located in Montgomery County.

Pollutant	Status
PM-10	Attainment
SO ₂	Attainment
NO ₂	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Montgomery County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) Montgomery County has been classified as attainment for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Fugitive Emissions**
Since this type of operation is not in one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Portable Source

- (a) **Initial Location**
This is a portable source and its initial location is 400 North Walnut Street, Crawfordsville, Indiana 47933.
- (b) The emissions from this portable source were reviewed under the requirements of the Prevention of Significant Deterioration (PSD) 326 IAC 2-2 and Emission Offset 326 IAC 2-3.
- (c) **Fugitive Emissions**
Since this type of operation is not in one of the twenty-eight (28) listed sources under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Source Status

New Source PSD and Emission Offset Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	1.33
PM10	1.33
SO ₂	1.24
VOC	5.16
CO	4.08
NO _x	18.9
Single HAP	Less than 3.66
Combination HAPs	3.66

- (a) This new source is not a PSD major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (a) This new source is not an Emission Offset major stationary source because no nonattainment regulated pollutant is emitted at a rate of 25 tons per year or greater and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (c) These emissions are based on the total potential to emit of the entire source (see Appendix A).

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This new source, is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This is the first air approval issued to this source.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) The proposed storage tank at this source has a capacity less than 75 cubic meters (19,813 gallons). Therefore, the New Source Performance Standards for Volatile Organic Liquid Storage Vessels for which construction, reconstruction, or modification commenced after July 23, 1984 (40 CFR 60.110b - 117b, Subpart Kb) are not applicable to this tank.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) applicable to this source.
- (d) This source does not intend to process benzene-containing solvents. Therefore, the requirements of the National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene (326 IAC 14, 40 CFR Part 61.110-112, Subpart J) are not applicable

to this source. Any change or modification, which results in the source handling a fluid that contains benzene, must receive prior approval from IDEM, OAQ.

- (e) This source does not accept benzene-containing wastes. Therefore, the requirements of the National Emission Standard for Benzene Waste Operations (326 IAC 14, 40 CFR Part 61.340-359, Subpart FF) are not applicable to this source. Any change or modification, which results in the source handling a fluid that contains benzene, must receive prior approval from IDEM, OAQ.
- (f) Since this source is not subject to the requirements of 40 CFR 61, Subpart J and Subpart FF, it is not subject to the requirements of the National Emission Standard for Equipment Leaks (326 IAC 14, 40 CFR Part 61.240-61.247, Subpart V).
- (g) The existing source is not a major source for HAP. Therefore, the requirements of the National Emission Standards for Hazardous Pollutants for Off-Site Waste and Recovery Operations (326 IAC 20-23, 40 CFR Part 63.680-698, Subpart DD) are not applicable to this source.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

The source will be constructed in 2004. The source is not in 1 of 28 source categories defined in 326 IAC 2-2-1(p)(1) and the potential to emit of any regulated pollutant before controls is less than 250 tons per year. Therefore, the construction of this source does not trigger PSD review in 326 IAC 2-2 and the source will be a minor source under 326 IAC 2-2.

326 IAC 2-3 (Emission Offset)

The source may relocate to nonattainment counties in Indiana in the future. This source is not in one of the 28 source categories and the potential to emit of any regulated pollutant before controls is less than 25 tons per year. Therefore, the source will be a minor source under 326 IAC 2-3 and can be relocated to any nonattainment counties without triggering Emission Offset review.

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

The source will be constructed in 2004. Although this source will be constructed after the applicability date for this rule, the potential to emit HAPs from the entire source will be less than the major source thresholds. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

326 IAC 2-6 (Emission Reporting)

This source is initially located in Montgomery County and is not required to receive a Part 70 permit. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1-2 (Opacity Limitations)

Since this source may be relocated to any county in Indiana, the Permittee shall comply with the most stringent requirements in 326 IAC 5-1-2. 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:

- (a) Opacity shall not exceed an average of twenty percent (20%) 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.

326 IAC 2-14-4 (Relocation of Portable Sources)

Pursuant to 326 IAC 2-14-4 (Relocation of Portable Sources):

- (a) This permit is approved for operation in all areas in Indiana since the potential to emit all criteria pollutant from this source is less than 25 tons/yr.
- (b) A request to relocate shall be submitted to IDEM, OAQ at least thirty (30) days prior to the intended date of relocation. This submittal shall include the following:
 - (1) A list of governmental officials entitled to receive notice of application to relocate. IC 13-15-3-1
 - (2) A list of adjacent landowners that the Permittee will send written notice to not more than ten (10) days after submission of the request to relocate. IC 13-15-8

The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) A "Relocation Site Approval" letter shall be obtained prior to relocating.
- (d) The Permittee shall also notify the applicable local air pollution control agency when relocating to, or from, one the following:
 - (1) Madison County - (Anderson Office of Air Management)
 - (2) City of Evansville plus four (4) miles beyond the corporate limits but not outside Vanderburgh County - (Evansville EPA)
 - (3) City of Gary - (Gary Department of Environmental Affairs)
 - (4) City of Hammond - (Hammond Department of Environmental Management)
 - (5) Marion County - (Indianapolis Office of Environmental Services)
 - (6) St. Joseph County - (St. Joseph County Health Department)
 - (7) Vigo County - (Vigo County Air Pollution Control)
- (e) A valid operation permit consists of this document and any subsequent "Relocation Site Approval" letter specifying the current location of the portable plant.

State Rule Applicability – Diesel Fired Generator

326 IAC 9-1-2 (Carbon Monoxide Emission Requirements)

This source is not among the listed source categories in 326 IAC 9-1-2. Therefore, the requirements of 326 IAC 9-1-2 are not applicable.

326 IAC 10-1 (Nitrogen Oxide Emission Requirements)

This portable source may be relocated to Clark or Floyd County. However, there is no NSPS requirement applicable to this source. Therefore, the requirements of 326 IAC 10-1 are not applicable.

State Rule Applicability - Distillation Unit

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

The potential VOC emissions from the proposed distillation unit are less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

State Rule Applicability - Storage Tanks

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

If this source is relocated to Clark, Floyd, Lake or Porter Counties, the storage tank at this source will be subject to the requirements of 326 IAC 8-9. Since the storage tank at this source has a capacity less than 39,000 gallons, this source is subject to the reporting and record keeping provisions of 326 IAC 8-9-6(a) and (b), which have the following requirements:

- (a) The owner or operator of each vessel shall maintain records for the life of the vessel for the following information:
 - (1) The vessel identification number.
 - (2) The vessel dimensions.
 - (3) The vessel capacity.
 - (4) A description of the emission control equipment for each vessel described in 326 IAC 8-9-4 (a) and 4 (b), if applicable, or a schedule for installation of emission control equipment on vessels described in 326 IAC 8-9-4(a) and 4 (b), if applicable, with a certification that the emission control equipment meets the applicable standards.
- (b) A report containing the information described in (a) shall be submitted to IDEM, OAQ.

326 IAC 12 (NSPS)

The storage tank at this source has a capacity less than 40 cubic meters (10,567 gallons). Therefore, this tank is not subject to the requirements of New Source Performance Standards, as of date July 1, 2000, for Volatile Organic Liquid Storage Vessels for which construction, reconstruction, or modification commenced after July 23, 1984 (326 IAC 12, 40 CFR 60.110b - 117b, Subpart Kb as of date July 1, 2000).

Conclusion

The construction and operation of this portable solvent recovery plant shall be subject to the conditions of the New Source Construction and Registration No.: 107-18460-05251.

**Appendix A: Emission Calculations
Internal Combustion Engines**

From the 0.98 MMBtu/hr Diesel Fired Generator

**Company Name: EQ Mobil Recycling Services, Inc.
Address: 400 N. Walnut St., Crawfordsville, IN 47933
Registration #: 107-18460-05251
Reviewer: ERG/YC
Date: April 30, 2004**

Fuel Input
MMBtu/hr

0.98

Emission Factor in lb/MMBtu	Pollutant					
	PM*	PM10*	SO ₂	NO _x	**VOC	CO
	0.31	0.31	0.29	4.41	0.35	0.95
Potential to Emit in tons/yr	1.33	1.33	1.24	18.9	1.50	4.08

*Assume PM emissions are equal to PM10 emissions.

** Assume TOC (total organic compounds) emissions are equal to VOC emissions.

Emission factors are from AP-42, Chapter 3.3, Table 3.3-1, SCC #2-02-001-02 and 2-03-001-01.(AP-42 Supplement B 10/96)

Methodology

Potential to Emit (tons/yr) = Heat Input (MMBtu/hr) x Emission Factor (lb/MMBtu) x 8760 (hrs/yr) x 1 ton/2000 lbs

Appendix A: Emission Calculations
VOC and HAP Emissions
From the Solvent Recovery Process at Plant #107-05251

Company Name: EQ Mobil Recycling Services, Inc.
Address: 400 N. Walnut St., Crawfordsville, IN 47933
Registration #: 107-18460-05251
Reviewer: ERG/YC
Date: April 30, 2004

1. Process Description:

Max. Batch Capacity:	550 gal/batch
Minimum Batch Time:	4 hr/batch
Max. Waste Solvent Density:	6.76 lbs/gal (as Propanal - most volatile)
Max. VOC % of the Waste Solvent:	90% (provided by the source)
Recovery Efficiency:	99.9% (provided by the source)

2. Potential to Emit VOC/HAP:

Since the VOC/HAP concentration in the received waste is expected to be highly variable, assume all the VOC emissions are equal to HAP emissions.

$$\text{PTE of VOC/HAP (tons/yr)} = 550 \text{ gal/batch} \times (8760 \text{ hr/yr} / 4\text{hr/batch}) \times 6.76 \text{ lbs/gal} \times 90\% \times 1 \text{ ton}/2000 \text{ lbs} \times (1-99.9\%) =$$

3.66 tons/yr