

Thursby, Kim

From: Gene Cieply <Gene.Cieply@usecology.com>
Sent: Friday, July 01, 2016 9:30 AM
To: Epost HWRS (Shared Mailbox)
Subject: RAI Letter dated 6-30-2016

The document has been received.

Gene Cieply
General Manager

gene.cieply@usecology.com
p: 813.319.3410 | c: 813.777.3998 | f: 813.623.5022

7202 East Eighth Ave. Tampa, FL 33619

Emergency Response: 800.839.3975
Customer Service: 800.592.5489



Unequaled service. Solutions you can trust.
USEcology.com

Thursby, Kim

From: Epost HWRS
Sent: Friday, July 01, 2016 9:21 AM
To: 'gene.cieply@usecology.com'
Cc: Bahr, Tim; Baker, Bryan; 'bastek.brian@epa.gov'; Knauss, Elizabeth; Honey, Kelly; 'Stuart.Stapleton@usecology.com'; Kruchell, Carrie L.
Subject: EQ Florida, Inc.;FLD 981 932 494;Incomplete Response to First Request for Additional Information (RAI)
Attachments: 7-1-16-EQ Florida-Draft Incomplete Response to RAI letter 6-30-2016_Receipt.pdf

In an effort to provide a more efficient service, the Florida Department of Environmental Protection's Hazardous Waste Program and Permitting section is forwarding the attached document to you by electronic correspondence "e-correspondence" in lieu of a hard copy through the normal postal service.

We ask that you verify receipt of this document by sending a "reply" message to epost_hwrs@dep.state.fl.us. (An automatic "reply message" is not sufficient to verify receipt). If your email address has changed or you anticipate that it will change in the future, please advise accordingly in your reply. You may also update this information by contacting Kim Thursby at (850) 245-8792.

The attached document is in "pdf" format and will require Adobe Reader 6 or higher to open properly. You may download a free copy of this software at www.adobe.com/products/acrobat/readstep2.html.

Your cooperation in helping us affect this process by replying as requested is greatly appreciated. If you should have any questions about the attached document(s), please direct your questions to the contact person listed in the correspondence.

Bryan Baker, P.G.
Environmental Administrator
Hazardous Waste Program & Permitting

The Florida Department of Environmental Protection is committed to providing efficient, consistent and quality service to the citizens of Florida. In keeping with these objectives, we are pleased to announce ongoing improvements to our permitting process by standardizing and simplifying our documents. Last fall, the Department began issuing permitting correspondence that is formatted consistently throughout all programs. Although you may receive documents that look slightly different from past correspondence, please be assured that the content continues to be driven by applicable Rules and Statutes. As always, if you have any questions, please contact your local Department office.



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

July 1, 2016

Mr. Gene Cieply, General Manager
EQ Florida, Inc.
7202 East 8th Avenue
Tampa, FL 33619
gene.cieply@usecology.com

RE: **Incomplete Response to First Request for Additional Information (RAI)**
Hillsborough County – Hazardous Waste
Facility Name: EQ Florida, Inc.
Facility ID: FLD 981 932 494
DEP Application No.: 34875-HO-012

Dear Mr. Cieply:

Thank you for your revised application for a HSWA Corrective Action Permit for the above referenced facility, received by the Department on May 20, 2016. We are still awaiting the receipt of some of the information requested in our RAI letter dated March 1, 2016. Most of the items listed in the attachment have been discussed with you during the past few days in an effort to clarify certain points and improve communications. The Department must receive a response within 30 days of receipt of this letter unless a written request is submitted for additional time to provide the requested information.

Please submit the response by August 1, 2016, in electronic format to HWPP@dep.state.fl.us, with a copy to Carrie.L.Kruchell@dep.state.fl.us. If the file is very large, you may post it to a folder on the Division's ftp site at: <ftp://ftp.dep.state.fl.us/pub/incoming/DWM>. After posting the document, send an e-mail to HWPP@dep.state.fl.us, with a copy to Carrie.L.Kruchell@dep.state.fl.us and Bryan.Baker@dep.state.fl.us alerting us that it has been posted.

If you have any questions, please contact Carrie Kruchell, P.G., directly by telephone at (850) 245-8765, or via email at Carrie.L.Kruchell@dep.state.fl.us.

Mr. Gene Ciepley
EQ Florida, Inc.
July 1, 2016
Page 2 of 8

Sincerely,

A handwritten signature in cursive script that reads "Bryan Baker".

Bryan Baker, P.G.
Environmental Administrator
Hazardous Waste Program & Permitting
Florida Department of Environmental Protection

clk/bb

cc: (with Attachment)

Brian Bastek, EPA Region 4 – Bastek.Brian@epa.gov

Beth Knauss, DEP Southwest District – Elizabeth.Knauss@dep.state.fl.us

Kelly Honey, DEP Southwest District – Kelly.Honey@dep.state.fl.us

Stuart Stapleton, EQ Florida, Inc. – Stuart.Stapleton@usecology.com

Attachment: List of Missing or Incomplete Requested Information

Facility Name: EQ Florida, Inc. (EQFL)
Facility ID: FLD 981 932 494
DEP Application No.: 34875-HO-012

The following is a list of comments initially cited in the Department's RAI Letter dated March 1, 2016 for which requested information is either missing or incomplete based upon the review of the revised application (dated May 13, 2016) received by the Department on May 20, 2016. Technically-based comments are provided below; editorial comments will be verbally communicated to you and Stuart Stapleton, EHS Manager.

In addition, the revised application was submitted without some of the original certification signatures as required under Chapter 62-730.900(2)(d), F.A.C.: Facility Owner-Page 2 of 4 of the form; and an original, signed "Delegation of Signing Authority" letter from USEcology/EQ Holdings.

1. **Permit Application Form, Part D.3**-Revise the Process Code table found in Appendix B, Volume 2 of 3 of the November 2013 application to include "process design capacity and units of measure". Annual quantities from 2015 should be used.
 - a. *Hazardous Waste Code K062 associated with Process Code T21 and showing an Annual Quantity of 10,000 gallons of "actual waste processed in 2015" (Footnote 2), should be footnoted in the table within Appendix B as "currently proposed" or similar language. It is our understanding that K062 waste has not been permitted for treatment to date at EQ. Please clarify on the application form Part A, and also the form in Appendix B, Volume 2 of 3.*
2. **Section 2.1 – Permit Modification Overview.**
 - a. *Revise this section to include all operational changes proposed by EQFL as discussed and agreed to between December 18, 2015 and February 22, 2016. Please ensure that the language that was incorporated for bullet points 1 and 2 in the RAI letter dated March 1, 2016 is incorporated in Section 2.1 of the permit application. Bullet points 5 & 6 of this section require clarification and report section references (See email correspondence dated June 23, 2016).*
 - b. *To bullet points 1 & 2 mentioned above, add in a reference (section, page number) for the location within the Waste Analysis Plan (WAP) where the description of the various treatment methods EQ will utilize for D002, and D004-D011 and K062, can be found.*
 - c. *To bullet point 2, add in the following: "EQFL ensures that the proposed permitted hazardous waste storage area within the Waste Processing*

Building (WPB) complies with 264.175(a) and 264.175(b)(1) through (b)(5).” Please describe how the WPB’s proposed permitted storage area complies with this rule in Section 2.3.4(6) of the permit modification application (See Comment 4 below).

- d. *Revise the table “Total Existing & Proposed Hazardous Waste Storage Capacities” to include a footnote beneath the table as included in the RAI letter of March 1, 2016, and as presented below:*
 - i. *NOTES: 1 – The proposed permitted storage area replaces the currently allowed ‘staging’ of a maximum of 80 drums/4,400 gallons. If permitted, the WPB will have a total hazardous waste storage capacity of 4,400 gallons.*

3. **Section 2.3 – Facility Layout and Operations.** Revise this section to fully describe each of the buildings and/or storage areas across the facility, their construction, physical locations, the operations conducted within, and the existing/proposed total hazardous waste storage capacity within each.
 - a. *The BCSA description (Section 2.3.5) should also explain and reference the location of the “Cracks & Gaps” program SOP.*
 - b. *Also, it is our understanding that the yellow striping in front of the Reactives Storage Cabinet should have already been applied. Please correct and confirm.*
4. **Section 2.3.4 – Waste Processing Building (WPB).** Add in the following:

“EQFL ensures that the proposed permitted hazardous waste storage area within the WPB complies with 264.175(a) and 264.175(b)(1) through (b)(5).” Please describe in this section how the WPB’s proposed permitted hazardous waste storage area (4,400 gallons) complies with this rule.
5. **Section 2.4.5 – Treatment of Characteristic (and Listed K062) Hazardous Wastes.** Insert an explanation of how ‘characteristic’ and ‘listed’ wastes will be treated and also reference the section within the WAP that provides more details on the selected treatment process(es).
 - a. *Please add to this section and to the WAP that “treatment of characteristic waste (D002 and D004 through D011) must meet 40 CFR 268.40 and Underlying Hazardous Constituents (UHCs), if required”.*
 - b. *There is no mention in this section of how D002 waste will be treated. Please revise. According to 268.40 Treatment Standards, D002 may be treated by DEACT (deactivation) and meet 268.48 standards. Section 4.3.1 of the WAP states that Corrosives (D002) will be disposed of “offsite via neutralization” (NEUTR), which we understand is the DEACT method preferred by EQ. Please confirm.*
 - c. *Reference the WAP within this section and provide more details regarding the NEUTR and STABL (stabilization) treatment methodologies that EQ intend to use.*

- d. *Note that while K062 may be treated via STABL, confirmatory TCLP sampling must prove that the resultant concentrations of total chromium and lead are below their “non-wastewater” or “wastewater” Universal Treatment Standards (UTS) guideline levels as stated in 268.40. Please confirm the chemical nature of the K062 being proposed for treatment and whether it is solely a product of manufacturing SIC Codes 331 & 332, and has not been pre-treated by ‘lime stabilization’.*
 - e. *In accordance with 268.40, Subpart D(c), “When wastes with differing treatment standards for a constituent of concern are combined for purposes of treatment, the treatment residue must meet the lowest treatment standard for the constituent of concern”. Please add this guidance to this section and also to the WAP.*
 - f. *Reference the Hazardous Waste Treatment SOP here, and also in the WAP section.*
6. **Section 2.4.10-Household (Hazardous) Waste (HW) Management.** *This is a newly added section to the existing permit. Under RCRA, the term is “Household Waste”. The former section on laboratory wastes appears to have been deleted.*
- a. *There needs to be a distinction between “lab pack” handling of actual ‘laboratory’ waste vs Household Waste “lab pack” management in this permit application. It is important to note that laboratory-derived waste in lab packs is not the same thing as Household Waste in lab packs. Please add back the section in the existing permit about the procedures for handling various Laboratory Wastes (lab packs).*
 - b. *If none of the Household Waste received by EQ is hazardous, this section can be moved to the Solid Waste (SW) portion of the permit, or it can stay for informational purposes.*
7. **Section 4.0—Waste Analysis Plan.** *This section remains incomplete. Review this section in its entirety and ensure that the revised WAP is in accordance with the “Waste Analysis at Facilities that Generate, Treat, Store and Dispose of Hazardous Waste – Final”, issued July 2015, EPA 530-R-12-001. Emphasis should be placed on the identification of which specific treatment methods will be utilized for specific waste codes, succinct explanations of the treatment process(es) and sampling protocols and analytical methods (and lab data turnaround times) utilized for each. EQFL should be able to describe the new ‘stabilization’ treatment method which became permitted a year ago, and be able to include detailed pass/fail rates per treatment batch per treatment method. Specifically, more details are required for the proposed ‘lime-stabilization’ treatment of waste code K062. More details are required for treatment of waste codes D002, and D004 through D011 and K062 (See Comment 5 above).*
- a. *Include a detailed explanation of how EQ expects to undertake sampling, analysis and disposal of the various waste codes (D002, D004-D011 & K062) specific to the Hazardous Waste Treatment Tank.*

- b. Section 4.3.1—Waste Characterization. *Revise this section to add in the hazardous waste codes beneath the various characteristics (e.g., Ignitable—D001), and add in a section for “Listed Waste” such as for K062.*
 - i. *“Corrosive Waste (C), means D002. According to 268.40 Treatment Standards, D002 may be treated by DEACT (deactivation) and meet 268.48 standards. This section of the WAP states that Corrosives (D002) will be disposed of “offsite via NEUTR”.*
 - c. Section 4.11—Acceptance of Packaged Laboratory Wastes (Lab Packs). *This section does not seem correct. Laboratory-derived chemicals (actual lab packs) are not the same as Household Waste (e.g., UF lab packs). There needs to be a distinction between actual ‘laboratory’ lab pack handling and ‘Household Waste’ lab pack handling in this permit application.*
 - d. *A final confirmatory lab sample for the 3 RCRA heavy metals that form K062 (total chromium, lead and nickel) shall be collected and analyzed to ensure that EQ have actually treated this waste down to its minimum referenced UTS concentration levels (for non-wastewaters and/or for wastewaters); a TCLP sample may indicate a ‘pass’ or ‘fail’ for whether the specific constituent has a tendency to leach into the environment; however, the K062 may be assumed to be still hazardous until it is treated down to or below the minimum referenced UTS concentrations.*
8. **Section 9.0 – Closure Plan.** The Department is in the middle of performing a detailed review for financial assurance purposes. A list of Closure Cost questions was sent to you separately via email on June 24, 2016.
9. **Section 10 – Use and Management of Containers.** *Add in a section title for the WPB and an overview of the proposed permitted hazardous waste storage area within the WPB and the following: “EQFL ensures that the proposed permitted hazardous waste storage area within the WPB complies with 264.175(a) and 264.175(b)(1) through (b)(5).” The support is generally there, but just needs the rule language to support EQ’s argument.*
10. **Section 11 – On-Ground Treatment Tank System.**
- a. *Section 11.1 – Design of Treatment Tank System. Please add “proposed” before K062 in the first sentence.*
 - b. *Section 11.2 – Treatment Description, Page 99. Please revise the paragraph that begins with “Based on generator knowledge...” to state that “EQFL realize that proper identification of UHC are the responsibility of the facility”.*

- c. *Table 11.1 should be revised to include “mg/L” in the title “Non-Wastewater UTS/TCLP”.*
- d. *Since soils will not be treated in the hazardous waste treatment tank, please remove the column “Alternative Soil Treatment Standards”. These standards only apply to soil matrices.*

11. Section 12 – Facility Air Emissions Requirements.

- a. Section 12.1—Introduction. *Include a paragraph about the Hazardous Waste Treatment tank and potential emissions during treatment. How does EQFL ensure that no volatile organic aromatics (VOAs), volatile organic compounds (VOCs) or semi-volatile organic compounds (SVOCs) are resident in the waste to be treated which then might trigger the Subpart CC requirements? Also note that a significant amount of hazardous waste is ‘recontainerized’ (e.g., from tanker trucks to 55-gallon drums) as part of the hazardous waste treatment within the WPB. Please clarify this within the Introduction.*
- b. Table 12-1 “Summary of Primary Activities and Estimated Emissions.” *This table has no information regarding ‘potential air emissions’, etc. with regard to the HW treatment tank. Please complete this table with information or add a footnote explaining why the fields are ‘blank’.*
- c. Section 12.2—Description of Operations. *Include Listed Waste/K062.*
- d. Section 12.4 – Containers. *Revise the sentence “EQ does not have any existing tanks, surface impoundments **or hazardous waste stabilization treatment processes** and therefore these items are not addressed in this permit renewal.” Add a section for the hazardous waste treatment tank and the stabilization process.*

12. Section 13 – Exposure Information. A teleconference was held on Thursday, June 23, 2016 during which time questions were asked of EQ and their subcontractors; a revised version of the Offsite Consequence Analysis (OCA) model results was delivered on Friday, June 24, 2016. Please include the revised OCA in your response. The report is entitled “2016 RMP Modeling Final Report, Toxic Worst-Case Release Scenarios, EQ Florida Inc.” dated April 8, 2016 and revised June 23, 2016.

13. Construction and Operation Permit Application, Volume 2 of 3 (May 13, 2016). There are still a couple of items that need clarification.

- a. Appendix B: Summary of Permitted EPA Hazardous Waste Codes.
 - i. *Revise the Process Code T21 table to clarify that “D” Characteristic Wastes to be treated will only include “D002 and D004 through D011”.*

- ii. *It is noted that T21 (chemical fixation) treatment code is listed and refers to the stabilization/solidification (S/S) of characteristic wastes. Does the treatment code vary for the K062 wastes?*
 - iii. *As in Comment 1 above: Hazardous Waste Code K062 associated with Process Code T21 is showing an Annual Quantity of 10,000 gallons of “actual waste processed in 2015” (Footnote 2). It is our understanding that K062 waste has not been permitted for treatment to date at EQ. Please clarify on the application form Part A, and also the form in Appendix B, Volume 2 of 3.*
- b. Appendix J: Waste Analysis Plan Documentation & EQFL SOPs.
- i. *Revise the Hazardous Waste Treatment SOP (OPS-OP-071-FLA), Page 2 of 8, to also include “proposed K062” in the listed of hazardous waste codes permitted for treatment.*
 - ii. *Amend the Crack/Gap Program SOP (OPS-OP-078-FLA) to indicate when this program will begin.*

14. Appendix J. Waste Analysis Plan Documentation & EQFL SOPs.

- a. Ensure that the Hazardous Waste Treatment SOP (OPS-OP-071-FLA) includes a detailed procedure to verify confirmation of laboratory analytical results, especially for UHCs and ‘listed’ wastes.
- b. Section 1.1 and 1.2—General. On Page 2 of 8 of this SOP, it appears that the proposed waste code K062 is missing.
- c. Section 6.1 and 6.3—Treatment Verification.
 - ii. Page 7 of 8, Section 6.1 documents how the ‘characteristic’ waste is verified, but does not mention how the ‘listed’ wastes (K062) will be verified.
 - iii. Page 7 of 8, Section 6.3 indicates that when both the TCLP and the UTS have been met, the treated hazardous waste “is now identified as Treated Non-Hazardous Waste”. Please confirm your understanding of the ‘listed’ waste K062, and how it will be classified and disposed after treatment.