

From: [Bill Kelly](#)
To: [Buselli, Bradley](#)
Subject: RE: Due Date Extension Request - Perma-Fix of Florida - RAI Response (FDEP Facility ID FLD 980 711 071/FDEP Application No. 17680-012-HO)
Date: Monday, January 27, 2020 10:57:40 AM
Attachments: [image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image010.png](#)
[image001.png](#)

Message received. Thank you!

William C. (Bill) Kelly, PG
Senior Project Manager



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From: Buselli, Bradley <Bradley.Buselli@dep.state.fl.us>
Sent: Monday, January 27, 2020 10:10 AM
To: Bill Kelly <bkelly@trihydro.com>
Cc: rself@perma-fix.com; Dan Cain <dcain@perma-fix.com>; Allison Riffel <ariffel@trihydro.com>; Smith, Michell M. <Michell.M.Smith@FloridaDEP.gov>; KevinSchmuggerow <kschmuggerow@perma-fix.com>; Brad Pekas <BPekas@trihydro.com>; Mitchell, Cheryl L <Cheryl.L.Mitchell@FloridaDEP.gov>; York, Brooke <York.Brooke@epa.gov>
Subject: RE: Due Date Extension Request - Perma-Fix of Florida - RAI Response (FDEP Facility ID FLD 980 711 071/FDEP Application No. 17680-012-HO)

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Good Morning Bill,

The Department approves the due date extension for RAI responses, as requested below.

Here are the EPA comments we discussed briefly over the phone:

""""

II-35 Monitoring and Inspections, PFF inspection plan mentioned. Please include a reference of its location within the permit application.

Page II-55 says "Hence, Subpart AA will apply to operation of each of these three units when hazardous waste of at least 10 ppm organic content by weight is processed." However, the Subpart AA regulations are applicable to the operations that manage hazardous waste with an organic concentration of at least 10 ppmw. The regulations are applicable at all times that the hazardous waste of at least 10 ppmw is in the system regardless of whether it is in operation or in process (triple rinsing would/should be required if the waste managed in the equipment changed that dramatically). Additionally, the organic concentration should be clarified through out to be at least 10 ppmw throughout this section.

Page II-56 discusses the equipment that is potentially subject to the Subpart BB regulations. No discussion of when the equipment is subject is provided. Additionally, if the facility is relying on the organic concentration of the waste being less than 10% by weight then a triple rinse will need to be conducted prior to utilizing the equipment for waste less than 10% by weight. Additional justification for the processing of such a waste (less than 10% by weight) may be required, some cost benefit or recovery and reuse explanation. In the second full paragraph on Page II-57 the equipment in these areas is discussed as subject to the Subpart BB requirements.

Page II-57 first full paragraph discusses the PF-II Treatment equipment being excluded under 40 C.F.R. 264.1050(e) (equipment under vacuum service). This excluded equipment should be clearly identified in the permit application. No equipment identified in tables II-11, II-12, or II-13 has been identified as excluded under this exemption. No table is given for the PF-II area. Adequate detail of the vacuum service is not provided in this discussion or the earlier discussion of the process.

Page II-57 last paragraph, states "The Facility storage tank is exempt from Subpart CC tank requirements because the 3,000-gallon tank is used to receive mixed waste." 40 C.F.R. 264.1080(a) (6) states that the requirements of Subpart CC are not applicable to a waste management unit that is used solely for the management of radioactive mixed waste in accordance with all applicable regulations under the authority of the Atomic Energy Act and the Nuclear Waste Policy Act. If the tank solely manages mixed waste it must be stated in the previously quoted sentence. Additionally, without having reviewed the applicable Radioactive Material License and any other permit or license applicable to the unit the applicability cannot be properly accessed.

Page II-57 seventh line from the bottom, the citation 40 CFR 1086(f), is found. Please revise this to the appropriate citation.

Page II-58 Pumps in light liquid service and designated as no detectable emissions must be tested for compliance with the requirements for no detectable emission prior to its initial designation, annually, and at any other times as requested by FLDEP or EPA. The discussion should be altered to include these requirements.

Page II-58 Pressure Relief Devices in Gas/Vapor Service this discussion states that the requirements of 40 CFR 264.1054 do not apply. Please include the citation of the exemption (40 CFR 264.1054(c?)) and a discussion of the requirements of that exemption including any references to other portions of the application as appropriate.

Page II-58, all pumps, pressure relief devices, and open ended valves or lines, and valves should be clearly identified in the P&ID and equipment lists. These lists and P&IDs should be clearly referenced in the discussion found on Page II-58. No clear identification of open ended valves or lines is seen in Tables II-11 through II-13.

Page II-59 Recordkeeping Requirements Section, item 3: This discussion appears to be in direct conflict to the discussion of the potentially subject to the Subpart BB requirements discussion found on Page II-56 and previously discussed above. Percent-by-weight determinations will be required for all equipment that the facility manages multiple waste streams in and for all equipment that the facility claims is not applicable for that reason.

Page II-59 Recordkeeping Requirements Section identifies the information that will be maintained at the facility. Items 1-4, this information should be included in the application. Preferably in the Tables II-11 through II-13. Most of the information is already included. Please review. Additionally, all the requirements of 40 CFR 264.1064 are not discussed in this section or in the previous sections. For example 40 CFR 264.1064(g)(2)(i) requires a list of all the equipment that has been designated for no detectable emissions. This information does not appear in the table provided. Only a statement in the discussion on page II-58 discusses that all the pumps in certain areas are designated for no detectable emissions. This is only one example of several. Please review the regulation.

Page II-60 Delay of Repair Section: The individual sections discussing the standards for each piece of equipment do not include repair timeframes. These should be include or referenced clearly. The Delay of Repair section must include references and conform to the requirements found in the regulations.

“”””

Lastly, some clarification was requested on the preconditioning process discussion (Page II-26) and the solvent recycling process (Page I-5) with regard to waste drained / remaining in the catch pan / drum; specifically the regulatory status of the accumulation tank and AA/BB/CC applicability to both processes. As I understand, there is some form of closed-ventilation system that covers this area;

additional details could be included in the permit application language (or in the RAI Response), as needed, to convey this information.

Please let me know if you have any questions.



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From: Bill Kelly <bkelly@trihydro.com>

Sent: Friday, January 24, 2020 4:14 PM

To: Buselli, Bradley <Bradley.Buselli@dep.state.fl.us>

Cc: rself@perma-fix.com; Dan Cain <dcain@perma-fix.com>; Allison Riffel <ariffel@trihydro.com>; Smith, Michell M. <Michell.M.Smith@FloridaDEP.gov>; KevinSchmuggerow <kschmuggerow@perma-fix.com>; Brad Pekas <BPekas@trihydro.com>

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Mr. Buselli,

In a letter dated December 30, 2019, the Florida Department of Environmental Protection (FDEP) issued a First Request for Additional Information (RAI) regarding a Hazardous Waste Operation Permit Renewal application for the subject facility. We understand that the Environmental Protection Agency (EPA) has also responded to the permit application and that the FDEP anticipates forwarding these additional comments to our attention on January 27, 2020.

To date, Perma-Fix of Florida, Inc. and Trihydro Corporation have been diligently compiling the requested response to address the original FDEP comments. However, we are not yet finished with that effort, and given the pending receipt of additional comments from the EPA, we respectfully request a 30-day extension to the current due date (January 29, 2020), to provide us with sufficient time to review the pending comments and incorporate the additional revisions, as applicable.

Therefore, upon your approval, we request a revised response due date of February 28, 2020.

Respectfully submitted,

William C. Kelly, PG
Senior Project Manager



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