From:	Nicholas Campanella
To:	Bird, Patrick
Cc:	Nicholas Campanella
Subject:	Fwd: Fw: [EXTERNAL] : RE: Medrecycler response
Date:	Saturday, March 7, 2020 7:37:34 AM
Attachments:	PERMIT APPLICATION REVISION 8.pdf

Mr Bird

I was sent this from Ruth Gold at DEM and wanted to see if you had time to get on a call to discuss what information we could provide you with to assist with your review.

Please adivse a good time for me to call you.

We have all documentation that you would need, including all of our submissions to DEM from the begining of the year till the most current version that was submitted to them that allowed them to issue us a draft permit.

Please see statement below we had sent her to forward to your attention from the manufacturer who also has approval of similiar system in Schenectady New York.

Technotherm, Inc., Pyrolysis System and Technology will process medical waste by chemical decomposition induced in organic materials by heat in the absence of oxygen. In practice, it is not possible to achieve a completely oxygen-free atmosphere; actual pyrolytic systems are operated with less than stoichiometric quantities of oxygen. Because some oxygen will be present in any pyrolytic system, nominal oxidation will occur. If volatile or semivolatile materials are present in the waste, thermal desorption will also occur.

Pyrolysis is a thermal process that transforms hazardous organic materials into gaseous components and a solid residue (char) containing fixed carbon and ash. Upon cooling, the gaseous components condense, leaving an oil/tar residue. Technotherm Pyrolysis System operates at a temperature range of 800°C-900°C and will make electricity from the syngas generated.

Revision 8 of the Expedited Permit Application is the most up to date submission to the RIDEM. It reflects the discussions, phone meetings and Response Letter written to the RIDEM since June 2019.

Best Regards

---------- Forwarded message ---------
From: **Gold, Ruth (DEM)** <ruth.gold@dem.ri.gov>
Date: Fri, Mar 6, 2020, 2:13 PM

Subject: Fw: [EXTERNAL] : RE: Medrecycler response
To: Nicholas Campanella <nick@sunpacificpower.com>, St. Amand, Stephen (DEM) <Stephen.StAmand@dem.ri.gov>

The email I received from EPA is below.

Ruth A. Gold
Supervising Air Quality Specialist
Office of Air Resources
RI Dept. of Environmental Management
235 Promenade Street
Providence, RI 02908
Tel: 401-222-2808, Ext. 7110
Fax: 401-222-2017
E-Mail: ruth.gold@dem.ri.gov
Web: http://www.dem.ri.gov/programs/air/

From: Bird, Patrick <Bird.Patrick@epa.gov>
Sent: Wednesday, February 26, 2020 2:49 PM
To: Gold, Ruth (DEM) <ruth.gold@dem.ri.gov>; Lancey, Susan <lancey.susan@epa.gov>
Cc: St. Amand, Stephen (DEM) <Stephen.StAmand@dem.ri.gov>; Delsesto, David (DEM) <david.delsesto@dem.ri.gov>; Whitney, Aleida (DEM) <aleida.whitney@dem.ri.gov>
Subject: [EXTERNAL] : RE: Medrecycler response

Hi Ruth,

We've reviewed what you have provided, and agree that it does not contain enough information to come to any definitive conclusion. Could you please scan and send us their original air permit application?

We plan to meet with our HQ rule contacts on this – they've been involved in these types of determinations before. There may be some follow up questions from these conversations, and we'll let you know if we need anything further.

Thanks,

Pat

Patrick Bird
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