Message

From: Peter Thomas [pthomas@manuregy.com]
Sent: 3/9/2018 1:22:17 AM
To: Gordon, Michael [Gordon.Mike@epa.gov]
Subject: Coaltec gasification of municipal biosolids
Attachments: Reply to EPA re Section 112 for gasification of municipal biosolids.pdf

Mike,

I notice that in my reply to Question 4 on page 2, I said "265 days per year" instead of 365 days per year. Attached is a corrected PDF copy.

Regards,

Peter Thomas
Coaltec Energy USA, Inc.
434-989-1417 (Cell)
www.coaltecenergy.com

From: Gordon, Michael <Gordon.Mike@epa.gov>
Sent: Thursday, March 8, 2018 4:22 PM
To: Peter Thomas <pthomas@manuregy.com>
Subject: RE: Coaltec gasification of municipal biosolids

Hi Peter,

Following up from your previous e-mail. We are requesting some additional information in order for us to assist you with potential CAA Section 129 and 112 applicability. See attached letter for more details.

-Mike

Mike Gordon
Environmental Engineer
Office of Permits and State Programs
Air Protection Division
EPA Region III
1650 Arch Street
Philadelphia, PA 19103
(215)-814-2039
Gordon.Mike@epa.gov

From: Peter Thomas [mailto:pthomas@manuregy.com]
Sent: Monday, January 15, 2018 12:04 PM
To: Fernandez, Cristina <Fernandez.Cristina@epa.gov>; Gordon, Michael <Gordon.Mike@epa.gov>
Subject: Coaltec gasification of municipal biosolids

Cristina and Michael,

In late 2016, I wrote to Region 3 requesting that you confirm that when we process poultry litter to produce steam-activated carbon, our high-temperature, refractory-lined, oxygen-starved gasification process falls under

Section 112 (Non-Hazardous Secondary Materials) of the Clean Air Act (see your letter dated December 5, 2016). You confirmed that when processing poultry litter, our gasification system and process fall under Section 112 in your Letter Ruling to us dated August 17, 2017 (see attached).

We are now in early-stage discussions with the Allegheny County Sanitation Authority (ALCOSAN wastewater plant), 3300 Preble Avenue, Pittsburgh, PA 15233 about drying and processing approximately 110 wet tons of their biosolids per day using exactly the same Coaltec Energy model refractory-lined, oxygen-starved gasification system (see attached drawing). We also intend to hold discussions with other large municipal wastewater treatment plants about processing their biosolids in order to produce low-cost powder activated carbon. The low-cost Ecochar® powder activated carbon (PAC) would be used on-site by these wastewater treatment plants for adsorbing pharmaceuticals, pesticides, and hormones before these and other organic contaminants are discharged in their effluent. In the labs at Calgon Carbon Corporation (Pittsburgh), we have demonstrated that our low-cost PACs adsorb these organic micro-contaminants, and that when the PAC is produced at 1,800° F, micro-nutrients such as phosphorus are extremely tightly bound and therefore do not leach into the water.

We would appreciate it if you would confirm that drying and processing municipal biosolids at ~982° C (~1,800° F) in our refractory-lined, oxygen-starved gasification system also falls under Section 112 of the Clean Air Act. If you concur, we would appreciate it if you would confirm this in a letter ruling.

Regards,

Peter Thomas
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434-989-1417 (Cell)
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