Message

From: Buettner, Robert [Buettner.Robert@epa.gov]
Sent: 9/27/2021 9:42:04 PM
To: Cronin, Michael P (DEC) [michael.cronin@dec.ny.gov]; LaVigna, Gaetano [LaVigna.Gaetano@epa.gov]
CC: Prentice, Amanda [Prentice.Amanda@epa.gov]
Subject: RE: Brooklyn Resource Recovery Air Emissions Permit 2-6105-0253

thanks

Robert Buettner
Chief, Air Compliance Branch

US EPA Region 2 DECA/ACB
290 Broadway, 21st Floor
New York NY 10007

buettner.robert@epa.gov
(212) 637 5031

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From: Cronin, Michael P (DEC) <michael.cronin@dec.ny.gov>
Sent: Monday, September 27, 2021 4:53 PM
To: Buettner, Robert <Buettner.Robert@epa.gov>; LaVigna, Gaetano <LaVigna.Gaetano@epa.gov>
Subject: FW: Brooklyn Resource Recovery Air Emissions Permit 2-6105-0253

Robert and Guy,

FYI, here is our response to inquiries from Brooklyn Resource Recovery, which we mentioned to you the last time we spoke on this topic.

Mike

From: Bolt, Robert (DEC) <robert.bolt@dec.ny.gov>
Sent: Thursday, September 23, 2021 2:15 PM
To: patenv@hotmail.com
Cc: Patrick Christopher <patrickchristopher@brooklynresource.com>; Lieblich, Sam (DEC) <sam.lieblich@dec.ny.gov>; Cronin, Michael P (DEC) <michael.cronin@dec.ny.gov>
Subject: RE: Brooklyn Resource Recovery Air Emissions Permit 2-6105-0253

Mr. Enochs,

We reviewed your inquiries regarding Brooklyn Resource Recovery's shredding operations, and provide the following responses:

1. The most recent revisions to Part 201, which became effective in February 2021, specifically exclude auto shredders from the "solid waste handling equipment" trivial activity under 201-3.3(c)(41). Therefore, Part 201 is clear that auto shredders are air contamination sources that require a registration or permit issued by NYSDEC (the Department). Also, it is worth noting that auto shredders were not specifically identified as being trivial

activities in the prior version of Part 201. Since the shredder is subject to the requirement to obtain a permit or registration, you must submit a permit or registration application, as appropriate based on the facility's emissions, to the Department as soon as possible. The necessary application forms and instructions are available on the DEC website at https://www.dec.ny.gov/chemical/4754.html. Please note that Section 201-1.2 addresses unpermitted emission sources and specifically states that the construction or operation of an air contamination source without a registration or permit issued pursuant to Part 201 is prohibited.

2. All metal and automotive shredding operations should be following the provisions of 6 NYCRR Part 201 to obtain the proper air registration or permit. See answer to #1 above.

3. NYSDEC has not yet established a blanket emission factor for uncontrolled shredders. However, the US Environmental Protection Agency (USEPA) has indicated to us in recent months that it has established an emission factor range of 0.3 – 0.7 pounds VOC per ton of shredded material to calculate VOC emissions from shredding operations. According to the USEPA, this emission factor range was determined through testing at a number of shredding facilities nationwide. The range is dependent on the mix of automobiles in the shredded material throughput. That is, a shredder with a 100% automobile mix is at 0.7 lb/ton, while a shredder at a 0% automobile mix is at 0.3 lb/ton. The emission factor for any in between mix would be proportionate to the percentage of automobiles in the shredded material. NYSDEC does not have data of its own to dispute this emission factor range being used by the USEPA, and, therefore, we will be using the USEPA emission factor range as a guide for calculating potential to emit and establishing permit limits for shredding operations.

4. Again, for shredding operations, NYSDEC does not currently have data to counter the USEPA's emission factor range noted in answer #3 above. Also, please understand that the USEPA has independent enforcement authority. That said, a facility has the option to perform its own testing, using a Department approved testing protocol, to establish facility specific emission factors and present them to the Department for approval.

Please let me know if you have further questions.

Robert G. Bolt, P.E. | Chief, Air Compliance Section
New York State Department of Environmental Conservation
Division of Air Resources, Region 2
47-40 21st Street Long Island City, NY 11101
☎: 718.482-4025 | 🖷: 718.482-4874 |robert.bolt@dec.ny.gov

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From: Patrick Enochs <patenv@hotmail.com>
Sent: Monday, August 16, 2021 4:19 PM
To: Bolt, Robert (DEC) <robert.bolt@dec.ny.gov>
Cc: Patrick Christopher <patrickchristopher@brooklynresource.com>
Subject: Brooklyn Resource Recovery Air Emissions Permit 2-6105-0253

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Mr. Bolt

Thank you for your response regarding Brooklyn Resource Recovery air registration. You identified that our facility is registered. The operation has not changed however the shredder itself is not identified as an emission point. Currently we have been in discussion with the EPA regarding the PTE to emit VOCs from the automobile shredder operations.

Based on our research The state of Massachusetts accepted a VOC factor of 0.3 lb / ton to calculate these VOC emissions from our shredding process.

As you are aware we are capped by rule for Nox emissions the PTE for VOC s from our engines are o.35 tpy. This would allow us up to 12.15 TPY for the voc emissions from our shredder. If we use this factor the maximum allowable throughput would be 81,000 TPY. This would be a permit condition for the registration process under 6NYCRR 201.4.

If it is possible we would make the following inquiries to the Department for guidance

1. What is the current guidance or procedure from NYSDEC to move existing shredders from trivial sources to registered or permitted sources?
    a. Is there a written copy of the guidance or procedures available?
2. What have other small shredders done to move from trivial to registered or permitted emission units?
3. What VOC emission factor(s) has NYSDEC accepted to limit uncontrolled VOC emission from shredder?
    a. What were the source(s) of the accepted shredder VOC emission factor(s)?
4. What has been NYSDEC's experience (if any) with respect to whether or not USEPA's accepts the VOC emission factors accepted by NYSDEC to establish a federally enforceable limitation on PTE?"

I appreciate your response

Respectfully

Pat Enochs

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