

Cooley, James

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Friday, August 30, 2019 12:29 PM
To: Cooley, James
Subject: Sterigenics Atlanta Facility - Requested Documents
Attachments: Atlanta EO Leak Incidents - 2014 to present - Final.pdf; Atlanta July 31 2019 Leak Incident Timeline.pdf; Atlanta Gas Log - July 2019.pdf

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Jim:

As you requested, attached are several documents that respond to your questions.

- "Atlanta EO Leak Incidents" – Shows all releases during the past five years. The total of all releases during that period is less than the reporting threshold.
- "July 31 Timeline" and "Gas Log" – Show the timeline relating to the July 31 drum leak. The operator was aware that there was less than 10 pounds in the drum before it was removed from the system as indicated on the Gas Log. The company determined that the release amount was 5.6 pounds.

Sincerely,
Kathy

Kathleen Hoffman

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CONTAINER DATA		<input checked="" type="checkbox"/> EO <input type="checkbox"/> PO	Gross Weight: <u>671</u>
Number/Lot#: <u>E00237810TLX902729F19</u>			Net Weight: <u>400</u>
Date Received: <u>24 JUL 19</u>			Tare Weight: <u>271</u> Verified by: <u>SS</u>
Fill Date: <u>18 JUL 19</u>			
Expiration Date: <u>15 NOV 19</u>			

WORK ORDER NUMBER	CHAMBER NUMBER	WEIGHT		SUBTRACT (A-B)	PRINTED GAS USED	OPERATOR INITIALS*	DATE	
		START (A)	END (B)					
1	<u>2484124</u>	<u>10</u>	<u>406.2</u>	<u>321.0</u>	<u>85.2</u>	<u>230</u>	<u>SS</u>	<u>30 JUL 19</u>
2	<u>2484604</u>	<u>10</u>	<u>320.6</u>	<u>91.1</u>	<u>229.5</u>	<u>230</u>	<u>SS</u>	<u>31 JUL 19</u>
3	<u>2484953</u>	<u>10</u>	<u>91.3</u>	<u>9.3</u>	<u>82</u>	<u>228</u>	<u>DP</u>	<u>31 Jul 19</u>
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n/a DP 31 Jul 19

* By initialing this section, you confirm you have verified the expiry date and gas used.

Receive only if within 60 days of fill date, and expiration date is calculated as no more than 120 days from fill date.

EO Leak or Release Incidents - Sterigenics Atlanta Facility
2014 through 2019 (as of 29-Aug-2019)

Incident Date	Incident Type(s)	Description	Release Amount (lbs)	Source Area	Investigation Conducted	Incident Status
2/3/2015	LEL/GC/Evacuation	Area evacuation (LEL 25 - Chamber 6 Vacuum pump)	0.1	Leak from Chamber 6 vaporizer	Yes	Closed
11/11/2015	LEL/GC/Evacuation	Area Evacuation	0.06	Leak from Chamber 4 vacuum pump site glass	Yes	Closed
11/17/2015	LEL/GC/Evacuation	Area evacuation (SRI Channel 4-Retort room)	0	Elevated reading from Channel 4 retort room. No leak identified and reading returned to normal within 2 minutes.	Yes	Closed
1/31/2017	LEL/GC/Evacuation	Area evacuation (SRI Channel 4-Retort room)	0.06	Elevated reading from Channel 4 retort room. No leak identified but some levels of fugitive emissions found.	Yes	Closed
6/11/2017	LEL/GC/Evacuation	Drum Leak	0.1	Drum Leak	Yes	Closed
4/2/2018	LEL/GC/Evacuation	Area evacuation (SRI port # 6)	2.6	Leak from Chamber 10 vacuum pump discharge line	Yes	Closed
7/10/2018	Injury: Explosion	Chamber Deflagration	1	Leak into chamber resulting in deflagration	Yes	Closed
7/17/2018	LEL/GC/Evacuation	Area Evacuation	0.1	Leak from Chamber 3 vacuum pump	Yes	Closed
4/10/2019	LEL/GC/Evacuation	Area Evacuation	0.06	Leak during Chamber 7 drum change	Yes	Closed
7/31/2019	LEL/GC/Evacuation	Area Evacuation	5.6	Leak following drum change	Yes	Closed
Totals	10 Release Events		9.68	from 2014 until 29-Aug-2019		

Sterigenics Atlanta – July 31, 2019 Incident Timeline

Time (GMT)	Description	Comments
06:06am	AccuSOLO control system for CH #10 notifies operator to change empty sterilant drum. The system displays amount of EO in drum.	
~6:09am	Operator notes final drum weight in gas log prior to changing drum. (See attached)	Gas log form G-F-EO-QA-005 notes 9.3lbs.
06:15am	Operator changes empty drum on CH #10 and places drum near chamber.	
07:14am	SRI port #7 alarmed at 313ppm triggering a local area evacuation.	
07:17am	Operators respond to alarm and notice empty drum EO valve was leaking. Immediately insert drum plugs and turned the valve to the closed position.	
07:30am – 2:00pm	Investigation of incident including notifications, inspection, and re-weighing of the drum.	Re-weighing of the drum showed 5.6 lbs. difference.
2:00pm	Drum is sent to supplier and re-weighed again. These results match the leak amount of 5.6lbs.	