

Zoetis LLC  
333 Portage Street  
Kalamazoo, MI 49007

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E timothy.l.popp@zoetis.com

RECEIVED

MAR 21 2016

AIR QUALITY DIVISION

zoetis

FEDERAL EXPRESS

March 18, 2016

Ms. Karen Kajiya-Mills  
Air Quality Division  
Michigan Department of Environmental Quality  
525 West Allegan Street  
Lansing, MI 48933

RE: Visual Emissions Observation Initial Performance Test  
Zoetis LLC – PTI 4-13B, SRN B4288, EUB214BOILER5

Dear Ms. Kajiya-Mills

Zoetis LLC owns and operates a boiler house at its pharmaceutical research and development facility located at 333 Portage Street, Kalamazoo, Michigan. The source operates pursuant to MDEQ permit number PTI 4-13B. Enclosed is a copy of the EPA Reference Method 9 visual emissions observation initial performance test for its new natural gas-fired boiler (EUB214BOILER5) with fuel oil as a back-up fuel. In accordance with 40 CFR 60.47c(a), the observation period for this test was reduced from 3 hours to 60 minutes since all 6-minute averages were less than 10 percent and all individual 15-second observations were less than or equal to 20 percent during the initial 60 minutes of observation.. The test was conducted on March 8, 2016. All opacity readings were zero percent opacity.

Please do not hesitate to contact me at the above number if you have any questions regarding these results.

Sincerely,



Timothy L. Popp  
Manager - Environment, Health & Safety

Encl.

c Ms. Mary Douglas, MDEQ-AQD  
JBlanchard, BCanter, PVanderMeullen - Zoetis  
File

TLP16007



March 9, 2016

Mr. Timothy L. Popp  
Zoetis, LLC  
333 Portage Street  
Kalamazoo, MI 49007

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AIR QUALITY DIV.

Dear Mr. Popp:

On March 8, 2016, Mr. Richard D. Eerdmans of Network Environmental, Inc. performed a Visible Emissions Observation study at your facility located in Kalamazoo, MI. The purpose of the study was to document compliance with Michigan Department of Environmental Quality (MDEQ) – Air Quality Division Permit to Install (PTI) No. 4-13B and 40CFR Part 60 Subpart Dc.

The observations were performed in accordance with EPA Reference Method 9. Observations were performed for four (4) fifteen minute periods per 40 CFR Part 60 Subpart Dc. Readings were taken at fifteen-second intervals in accordance with the method. Readings were recorded in five-percent opacity increments.

**All opacity readings were zero (0) percent opacity.**

Attached are the field VE forms and a copy of Mr. Eerdmans VE certification.

If you have any questions, please contact me at (616) 530-6330.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Scott Cargill", is written over a circular stamp that is partially obscured.

R. Scott Cargill  
Vice President

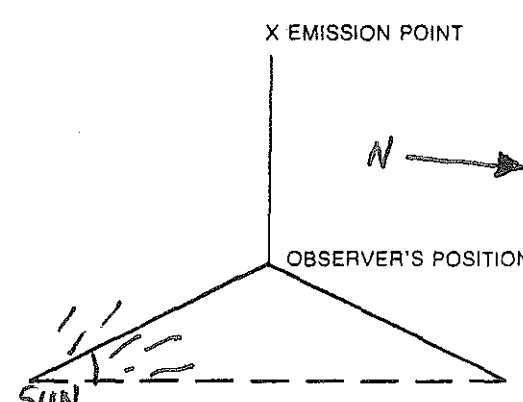


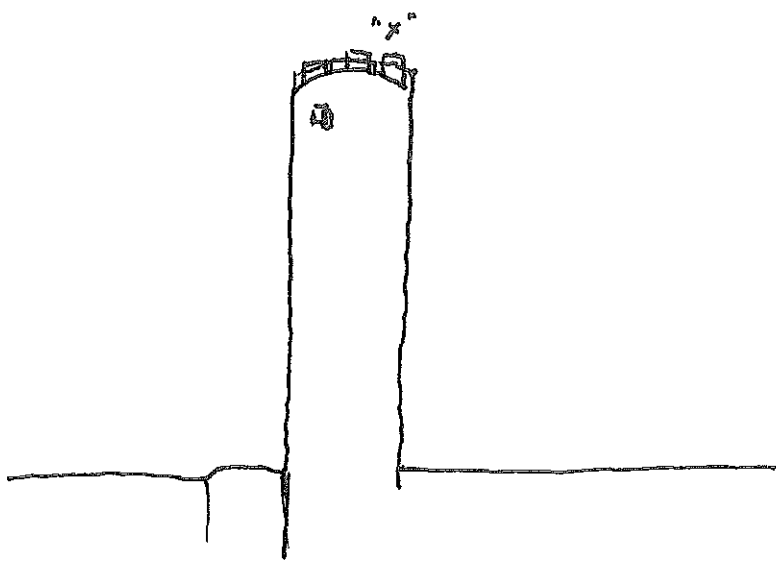
Date: 3/8/16

Client: Zoetis LLC

Proj. No.

VISIBLE EMISSIONS OBSERVATION FORM

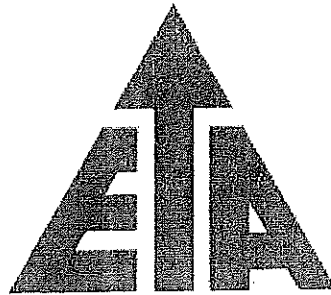
COMPANY <b>Zoetis LLC</b>		ADDRESS <b>333 Portage St.</b>	
CITY / TOWNSHIP <b>Kalamazoo, MI 49007</b>		OBSERVER <b>Eerdmans</b>	CERTIFIED BY / DATE <b>10/14/15</b>
PROCESS EQUIPMENT <b>Boiler 5</b>	OPERATING MODE <b>Normal</b>	BACKGROUND COLOR Start <b>light Blue</b> Stop <b>White</b>	SKY CONDITIONS Start <b>Partly Cloudy</b> Stop <b>Overcast</b>
CONTROL EQUIPMENT <b>N/A</b>	OPERATING MODE	WIND SPEED Start <b>5-10 mph</b> Stop <b>10 mph</b>	WIND DIRECTION Start <b>S</b> Stop <b>S</b>
DESCRIBE EMISSION POINT <b>One stack diameter above the stack</b>		AMBIENT TEMP. Start <b>58°F</b> Stop <b>60°F</b>	HUMIDITY Start <b>White</b> Stop <b>68%</b>
HEIGHT ABOVE GROUND LEVEL <b>200'</b>	HEIGHT REL TO OBSERVER <b>200'</b>	SOURCE LAYOUT SKETCH  X EMISSION POINT  N →  OBSERVER'S POSITION  	
DISTANCE FROM OBSERVER <b>600'</b>	DIRECTION FROM OBSERVER <b>SW</b>		
DESCRIBE EMISSIONS Start <b>None</b> Stop <b>Some</b>			
EMISSION COLOR Start <b>N/A</b> Stop	PLUME TYPE: CONTINUOUS = <b>N/A</b> FUGITIVE =                   INTERMITTENT =		
WATER DROPLETS PRESENT: NO = <b>X</b> YES =	IF WATER DROPLET PLUME: <b>N/A</b> ATTACHED =                   DETACHED =		
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start <b>see below "x"</b> Stop <b>Some</b>			
DESCRIBE BACKGROUND Start <b>SKY</b> Stop <b>Some</b>			



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AVERAGE OPACITY	SUM OF ANY 24 CONSECUTIVE READINGS 24	HIGHEST 6-MIN. AVERAGE OPACITY	2ND HIGHEST 6-MIN. AVERAGE OPACITY
COMMENTS			





## VISIBLE EMISSIONS EVALUATOR

**Richard Eerdmans**

This is to certify that the above named observer has met the specifications of Federal Reference Method 9 and is qualified as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates, Inc. of Raleigh, N.C. This certificate is valid for six months from date of issue.

**434520**

Certificate #

**EER769705**

Student ID Number

**10/14/2015**

Date of Certification

**Grand Rapids, MI**

Location

**4/14/2016**

Certification Expiration Date

**NonETA**

Last Lecture

*Marty Hughes*  
Director of Training