



TETRA TECH

March 23, 2016

Ms. Anne J. Wolf
National Preparedness Specialist (A)
Facilities Environmental Specialist – R&A West
Email: Anne.J.Wolf@usps.gov

Subject: Methane Gas Testing, Michigan Metroplex Processing and Distribution Center, 711 North Glenwood Avenue, Pontiac, Michigan 48340-9991 (WO 31.00, IQC 072382-15-J-0029)

Dear Ms. Wolf:

Tetra Tech, Inc. (Tetra Tech) tested for methane gas at the Michigan Metroplex Processing and Distribution Center (P&DC) at 711 North Glenwood Avenue, Pontiac, Michigan 48340-9991. The Postal Service agreed to periodic assessments of the air quality at the Metroplex to provide employees with an added level of assurance about the safety of the work environment

The survey was done for the United States Postal Service (USPS) on March 18, 2016. Fieldwork was done in accordance with the site-specific health and safety plan for the project.

Tetra Tech utilized a RAE Systems® MultiRAE portable multi-gas monitor and a Landtec GEM™ 2000 Plus landfill gas monitor during the survey. The MultiRAE was used to measure oxygen (O₂) percentage, lower explosive limit (LEL), hydrogen sulfide (H₂S), volatile organic compounds (VOCs), and carbon monoxide (CO). The GEM™ 2000 Plus was used to measure ambient methane (CH₄) percentage.

Tetra Tech arrived onsite at the USPS facility at approximately 15:20. Maintenance manager Michael Brown with the USPS met with Tetra Tech to discuss the specifics of the survey. Tetra Tech was escorted to the appropriate sampling stations throughout the facility to perform air monitoring. The results of the sampling event are listed in Table 1 below. A sketch of the sampling stations within the facility is provided as an attachment.

Based on the results of this survey, no methane gas or other conditions of concern were identified within the areas inspected at the site.

Tetra Tech

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Table 1. Sample Results

Station	CH₄ (%)	O₂ (%)	LEL (%)	H₂S (ppm)	VOC (ppb)	CO (ppm)
Room 1309	0.0	20.9	0	0.0	180	0.0
Room 1007	0.0	20.9	0	0.0	220	0.0
Room 1050	0.0	20.9	0	0.0	230	0.0
Room 1067c	0.0	20.9	0	0.0	250	0.0
Room 1053	0.0	20.9	0	0.0	260	0.0
Room 1233	0.0	20.9	0	0.0	260	0.0
Closet	0.0	20.9	0	0.0	270	0.0
Room 1031a	0.0	20.9	0	0.0	270	0.0
Conference Room	0.0	20.9	0	0.0	100	0.0

Notes: % = percent; CH₄ = methane; O₂ = oxygen; LEL = lower explosive limit; H₂S = hydrogen sulfide; VOC = volatile organic compound; CO = carbon monoxide; ppm = parts per million; ppb = parts per billion

This survey was conducted in accordance with industry standard practice consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions. The data evaluation and assessment stated herein constitute a professional opinion; no other warranty is expressed or implied. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user. This survey report does not warrant against future operations or conditions that may not be consistent with its recommendations. Moreover, this survey does not guarantee identification of all hazardous conditions.

Thank you for the opportunity to support you on this project. Should you have any questions, please contact me at (541) 306-6319 or emmy.andrews@tetrattech.com.

Sincerely,



Emmy Andrews
Program Manager
Tetra Tech, Inc.

Attachment: Figure: Sample Locations

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