

FINAL

Vapor Intrusion Investigation Report, Essex-Hope Site in Jamestown, New York

Site Number 907015

Prepared for

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Acronyms and Abbreviations

µg/L	microgram per liter
µg/m ³	microgram per cubic meter
ACGIH	American Conference of Governmental Industrial Hygienists
AST	aboveground storage tank
bgs	below ground surface
CBTEX	cumene, benzene, toluene, ethylbenzene, and xylenes
CH2M	CH2M HILL
COC	constituent of concern
CPM	Custom Production Manufacturing Inc.
DCE	dichloroethene
EPA	U.S. Environmental Protection Agency
GC/MS	gas chromatography/mass spectrometry
NIOSH	National Institute of Occupational Safety and Health
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
Pa	Pascal
PCE	tetrachloroethene
PID	photoionization detector
QA	quality assurance
QC	quality control
RAO	remedial action objective
ROD	Record of Decision
RSL	regional screening level
SVE	soil vapor extraction
TCA	trichloroethane
TCE	trichloroethene
URS	URS Corporation
UST	underground storage tank
VI	vapor intrusion
VISL	vapor intrusion screening level
VOC	volatile organic compound
WBZ	water-bearing zone

Introduction

This vapor intrusion (VI) report presents the results from field activities and an evaluation of the potential for VI at the former Plant 5 Building at the Essex-Hope State Superfund Site located at 125 Blackstone Avenue in Jamestown, New York (site; Figure 1). This work was conducted from March to May 2016 in accordance with the *Vapor Intrusion Investigation Work Plan, Former Plant 5 Building and Attached West Building, Essex-Hope Site in Jamestown, New York* (CH2M HILL [CH2M] 2016). The site, presently owned by Custom Production Manufacturing Inc. (CPM), which has an active metal fabrication workshop, is listed under the New York Superfund Program (Site Number 907015) and managed by the New York State Department of Environmental Conservation (NYSDEC). A Record of Decision (ROD) was issued in 1994 requiring the implementation of remedial actions at the site (NYSDEC 1994).

URS Corporation (URS) recently completed and submitted a VI summary report to NYSDEC (URS 2015). Results from that report indicated concentrations of volatile organic compounds (VOCs) exceeded the New York State Department of Health (NYSDOH) VI guideline values in the former Plant 5 Building in subslab and indoor air, placing the building in the mitigation category decision matrix (NYSDOH 2006). However, based on the presence of documented background indoor sources of VOCs (trichloroethene [TCE] is still used and stored at the site), it was unclear if indoor VOC concentrations are from VI or background indoor air sources. If the source is indoors and related to current facility operations, VI mitigation will be ineffective. Furthermore, allowed exposure levels for industrial uses of TCE are substantially greater than the NYSDOH VI guideline values. This investigation used a pressure testing and multiple lines of evidence approach to determine if VI is occurring or is significant in the former Plant 5 Building.

In the URS (2015) report, concentrations in indoor air did not exceed screening levels in the West building. One subslab sample in the compressor room between the former Plant 5 Building and the West Building merited continued subslab monitoring based on the NYSDOH decision matrix (NYSDOH 2006), but the remainder of the West Building samples were below screening levels. Therefore, this report focuses on evaluating the former Plant 5 Building.

1.1 Scope and Purpose of this Investigation

This investigation was designed to collect additional data to be used to determine if indoor and/or subsurface sources are contributing to the previously observed elevated indoor air VOC concentrations in the former Plant 5 Building and to assess the potential for VOCs linked to groundwater and soil at the site to migrate into the building. This was accomplished by performing an indoor air portable gas chromatography/mass spectrometry (GC/MS; HAPSITE) survey coupled with building pressure manipulation activities. This investigation focused on the former Plant 5 Building; however, a HAPSITE indoor air survey was also performed in the attached West Building to compare VOC concentrations with the prior study (URS 2015).

The short-term results from this investigation are not intended to directly evaluate human health risk, but to aid in identifying the primary contributors to elevated TCE concentrations observed in the former Plant 5 Building by URS.

1.2 Regulatory Guidance

Guidance from the U.S. Environmental Protection Agency (EPA) and NYSDOH that is relevant to this report include:

- *OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air* (EPA 2015a)
- *Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites* (EPA 2015b)
- *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH 2006)
- *DER-10 Technical Guidance for Site Investigation and Remediation* (NYSDEC 2010)
- *EPA Modified Method TO-15* (EPA 1999)
- *Background Indoor Air Concentrations of Volatile Organic Compounds in North American Residences (1990–2005): A Compilation of Statistics for Assessing Vapor Intrusion* (EPA 2011)
- *Trichloroethene (TCE) in Indoor and Outdoor Air August 2015 Fact Sheet* (NYSDOH 2015)

The common pillars of applicable guidance are collecting quality sampling and analysis data, identifying potentially complete pathways, evaluating potential indoor or outdoor ambient sources contributing to indoor air concentrations, and protecting human health and the environment. The approach to using an indoor air portable GC/MS (HAPSITE) survey coupled with building pressure manipulation activities and subsequent confirmation sampling addresses these pillars of a VI evaluation. The potential for background sources to affect indoor air concentrations is also addressed by applying these investigation methods. Consideration of background concentrations is of particular importance because, as stated in EPA guidance (2015a), “If background vapor sources [see Glossary] are found to be primarily responsible for indoor air concentrations [see Section 6.3.5], then response actions for vapor intrusion would generally not be warranted for current conditions.”

Upon identification of a complete or potentially complete VI pathway, screening level comparisons and potentially risk assessment are appropriate. EPA (2015) RSLs for TCE are 3 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for industrial indoor air (target cancer risk = $1\text{E}-6$, hazard quotient = 1) and $100 \mu\text{g}/\text{m}^3$ for subslab soil vapor. Vapor intrusion screening levels (VISLs) are based on a default attenuation factor of 0.03 for soil vapor (EPA 2015a), which is based on residential building data and is likely overly conservative for the evaluation of large open industrial buildings¹.

NYSDOH (2006) recommends a matrix evaluation, combining subslab and indoor air concentration ranges, to determine the potential need for further action (i.e., none, monitoring, and/or mitigation). NYSDOH (2015) recommends that TCE levels in indoor air not exceed $2 \mu\text{g}/\text{m}^3$, the indoor air threshold concentration at which mitigation is recommended. An immediate response indoor air action level of $20 \mu\text{g}/\text{m}^3$ is also recommended. Monitoring and/or mitigation is required above $50 \mu\text{g}/\text{m}^3$ in subslab soil vapor. NYSDOH does not make distinctions between commercial/industrial and residential exposures to TCE in indoor air, but it is important to consider that worker exposure time, duration, and frequency in an industrial situation are all less than that of the resident.

For comparison, background concentrations of TCE published by EPA and NYSDOH include:

- EPA reports the range of concentrations for background residential structures as 0.56 to $3.3 \mu\text{g}/\text{m}^3$ (EPA 2011).

¹ See http://www.nesdi.navy.mil/Files/FinalReports/FR_476.pdf

- NYSDOH reports a background indoor and outdoor air concentration of $1 \mu\text{g}/\text{m}^3$ (NYSDOH 2015) for locations where there is no apparent source.
- Indoor air concentrations in workplaces where TCE is manufactured or used range from $1.1 \mu\text{g}/\text{m}^3$ to $5,900,000 \mu\text{g}/\text{m}^3$, with a median of $38,000 \mu\text{g}/\text{m}^3$ (NYSDOH 2015).

If indoor air concentrations are greater than background and are identified as not being related to the VI pathway (i.e., they are potentially related to the industrial activities at the site), industrial hygiene comparison values are available²:

- The American Conference of Governmental Industrial Hygienists (ACGIH 2016) recommends a threshold limit value of $54,000 \mu\text{g}/\text{m}^3$ based on a time-weighted average.
- The National Institute of Occupational Safety and Health (NIOSH) recommended exposure limit is $134,000 \mu\text{g}/\text{m}^3$ based on a time-weighted average.
- The Occupational Safety and Health Administration (OSHA) permissible exposure limit for general industry is $540,000 \mu\text{g}/\text{m}^3$ based on a time-weighted average. The not-to-exceed (ceiling) limit is $1,100,000 \mu\text{g}/\text{m}^3$ with the exception that a peak value of $1,600,000 \mu\text{g}/\text{m}^3$ for a single period up to 5 minutes in any 2 hours.

1.3 Site Background

The 4.7-acre site, which CPM owns and occupies, is located at 125 Blackstone Avenue in Jamestown, New York (Figure 1). The site is in an industrialized area of the city that has seen various degrees of industrial use over the past 75 years. Contamination onsite is the result of historical practices conducted at the facility as discussed in a 1992 remedial investigation report.³ TCE; cis-1,2-dichloroethene (cis-1,2-DCE); vinyl chloride; ethylbenzene; and xylenes are the primary constituents of concern (COCs) in the shallow groundwater unit (7 to 20 feet below ground surface [bgs]). TCE; cis-1,2-DCE; vinyl chloride; and acetone are the primary COCs in the deep groundwater unit (30 to 50 feet bgs).

1.4 Historical Operations

Historically, two distinct operations occupied the site: Jamestown Finishes at the southern portion of the site (along Blackstone Avenue) and Hope's Windows in the northern portion (along Hopkins Avenue).

1.4.1 West Building and Former AST and UST Areas

The southern portion of the site is divided into the following sub-areas for describing the site history and COCs:

- West Building
- Former aboveground storage tank (AST) area
- Former underground storage tank (UST) area

The West Building was built in the early 1900s and subsequently was expanded several times. The West Building was used by a variety of owners/operators to produce paints, varnishes, and other industrial coatings under the name Jamestown Finishes or Jamestown Finishing Products (NYSDEC 1994). The former AST area was northwest of the West Building. Soils and the shallow water-bearing zone (WBZ) in the West Building and former AST areas historically have been impacted by cumene, benzene, toluene,

² See https://www.osha.gov/dts/chemicalsampling/data/CH_273000.html.

³ Because CH2M has not obtained the main text of the remedial investigation reports, historical information for the site is relatively limited. CH2M requested these documents from NYSDEC, URS/AECOM, and The Dow Chemical Company.

ethylbenzene, and xylenes (CBTEX) and, to a lesser extent, TCE and daughter products cis-1,2-DCE and vinyl chloride. East of the West Building is the former UST area, which historically contained USTs with acetone, xylenes, and other solvents used in the production of coatings. Historical impacts in this area included CBTEX in soils and the shallow WBZ.

1.4.2 Plant 5 Building and North Parking Lot

Hope's Windows previously occupied the northern portion of the site (along Hopkins Avenue). This portion of the site is divided into the following sub-areas for describing the site history and COCs:

- Plant 5 Building
- North Parking Lot

The Plant 5 Building historically was used for the manufacture of window screens until the early 1970s, when manufacturing switched to production of aluminum windows (McFarlene 1991). The building also was used to store aluminum, and to cut, punch, notch, weld, and assemble aluminum parts.

A TCE degreaser and paint primer tank were present in the southwestern corner of the building, but were both removed before Essex Chemical Company purchased the site in 1985. The TCE degreasing pit reportedly was cleaned and pumped to a sump in the North Parking Lot (west of the Plant 5 Building), which was reported to have an earthen bottom (Dow Chemical Company 1992). The sump and surrounding soils were excavated in the mid-1990s as one of the ROD remedies (NYSDEC 1994).

Impacts to soil and groundwater have included polychlorinated biphenyls in soil in the North Parking Lot and TCE and its daughter products in soil, the shallow WBZ, and the deep WBZ under the North Parking Lot and the Plant 5 Building. Both shallow and deep groundwater impacts have been detected offsite to the north, and shallow groundwater impacts extend offsite east along Hopkins Avenue.

After Essex purchased the Plant 5 Building in 1985, the building reportedly was used as a raw materials warehouse. The building has been used for light metals fabrication since CPM purchased the site in 2000. During a 2014 VI survey, numerous chemicals, including TCE, tetrachloroethene (PCE), petroleum distillates, methyl isobutyl ketone, toluene, methylene chloride, 1,1,1-trichloroethane (TCA), and acetone were observed stored at the facility (URS 2015).

1.5 Remedial Actions

Numerous remedial actions have been undertaken at the site in response to the 1994 ROD. Remedial actions have included a pump and treat system that extracts and treats shallow and deep groundwater; soil excavation in the North Parking Lot; air sparging of shallow WBZ in the North Parking Lot, former AST, and former UST areas; and soil vapor extraction (SVE) of vadose zone soils in these same areas. Supplemental and voluntary remedial actions implemented include removing the USTs and adjacent soil, conducting a pilot test of zero-valent iron injections in the North Parking Lot, installing a subsurface vapor mitigation system at an offsite residence, and implementing in-situ chemical oxidation injections in the shallow WBZ in the former UST area and the deep WBZ near the northeastern corner of the former Plant 5 Building.

Currently, five operational recovery wells are part of the existing pump and treat system. Recovery wells are located in the North Parking Lot and downgradient along Hopkins Avenue.

1.6 Current Conditions in Shallow Groundwater

Shallow groundwater with COCs exceeding remedial action objectives (RAOs) exists onsite and offsite. The highest COC concentrations area occurs under the West Building, where CBTEX was detected during a 2013 investigation at concentrations up to 175,362 micrograms per liter (µg/L) (URS 2014). This area of CBTEX appears to be related to the historical CBTEX detected in groundwater east of the former UST

area (which has been mostly remediated) and may exist under the building because of an area of mounded groundwater that caused localized flow to the west. In the former UST area, CBTEX concentrations have declined significantly because of remedial actions including pump and treat, air sparging, SVE, UST removal, and in-situ chemical oxidation treatments. Concentrations of cumene, ethylbenzene, and total xylenes above their RAOs are present in the eastern portion of the former UST area and appear to be migrating offsite northeast in the direction of regional groundwater flow. Results from the URS indoor air and subslab sampling suggest CBTEX concentrations within vapor are attenuating within the vadose zone and prior to impacting indoor air.

The shallow WBZ pump and treat system consists of three recovery wells (RW-1S and RW-2S in the North Parking Lot area, and RW-3S in the former AST area) that have had declining recovery of VOC mass because of falling groundwater concentrations and low extraction rates (ranging annually from 0.03 gallon per minute at RW-3S to 0.74 gallon per minute at RW-2S). The limited saturated thickness in the shallow WBZ (generally 6 to 8 feet thick), coupled with well efficiency losses, has resulted in cycling of the pumping system at RW-3S as the water level is quickly drawn down by pumping, causing shutoff of the well until water levels recover, at which point the pump is reactivated.

CBTEX concentrations in the former AST area have declined significantly because of remedial actions including pumping and treating, air sparging, and SVE. Recent concentrations of benzene, cumene, ethylbenzene, and total xylenes, however, exceeded their respective RAOs at RW-3S. Remedial actions, including soil excavation, pump and treat system, and air sparging/SVE, in the North Parking Lot area have resulted in a significant reduction in TCE; cis-1,2-DCE; and vinyl chloride concentrations within soil and groundwater. Concentrations, however, remain above RAOs, with the highest detections in the southern portion of the North Parking Lot.

TCE; cis-1,2-DCE; and vinyl chloride are found in shallow groundwater north and east-northeast of the site along Hopkins Avenue, with the highest TCE concentration at MW-18 (221 µg/L in fall 2014); however, limited data have been collected directly under the former Plant 5 Building. Additionally, the original source area could be the North Parking Lot or Plant 5 Building areas (where concentrations are now lower than downgradient concentrations because of remedial actions).

Soil vapor and indoor air sampling were conducted at the site in 2014 in the West Building and former Plant 5 Building. While TCE was detected in all four subslab soil vapor samples from the West Building and the compressor room at concentrations up to 52 µg/m³, it was not detected in indoor air in the West Building or outdoor air samples. One of four TCE sample subslab vapor concentrations exceeded the NYSDEC level for a recommendation to “Monitor.” This location was in a small portion of the building linking the West Building and former Plant 5 Building. Other VOCs, including tetrachloroethene (PCE), ethylbenzene, xylene, toluene, trichloroethane (TCA), carbon tetrachloride, and vinyl chloride, were detected in the West Building subslab vapor samples, but were at levels that fell within the NYSDOH decision matrix “No Further Action” criteria or were also detected in outdoor air and determined to not be related to subsurface soil or groundwater impacts (URS 2015).

In the former Plant 5 Building, TCE was detected in all subslab soil vapor samples at concentrations up to 5,800 µg/m³, and TCE was detected in the indoor air sample at a concentration of 100 µg/m³. The highest subslab vapor samples were detected in samples collected in the southwestern portion (near MW-20) and northwestern portion (near GP-1S) of the building. The detected concentrations in subslab soil vapor and indoor air fall into the “Mitigate” recommendation, although it was noted that TCE is stored and used in drum quantity in the former Plant 5 Building and could be the source of the indoor air detection.

Field Activities

VI investigation activities were conducted at the site from March 8 through May 4, 2016. Procedures and methodology detailed in the work plan (CH2M 2016) were followed and consisted of the following activities:

- Initial site walkthrough and mapping
- Utility survey
- Installation of subslab vapor probes
- Baseline differential pressure monitoring in the former Plant 5 Building
- HAPSITE survey of the former Plant 5 Building and the attached West Building
- Blower door pressurization/depressurization testing of the former Plant 5 Building
- Preferential pathway/entry point investigation with HAPSITE and ppbRAE
- Confirmation sampling with SUMMA canisters (Method TO-15)

The following table summarizes the daily field activities:

Date	Activities Performed
March 8, March 16, and March 21, 2016	• Initial site walkthrough and mapping
March 29, 2016	• Utility locate • Vapor pin installation (four pins) • Start indoor air to subslab baseline pressure monitoring
April 18, 2016	• Baseline HAPSITE sampling in the former Plant 5 Building and West Building
April 19, 2016	• Set up blower door and perform pressure cycle range finding • Moved one pressure monitor from an indoor to outdoor air location
April 20, 2016	• Perform pressure cycling at -5 Pascals (Pa) and -10 Pa
April 21, 2016	• Perform pressure cycling at +5 Pa and -2.5 Pa
April 22, 2016	• Collect additional HAPSITE samples around former Plant 5 Building (rollup doors open) • Relocate second pressure monitor to collect additional baseline indoor to outdoor differential pressure readings
May 4, 2016	• Discontinued differential pressure monitoring

This VI investigation employs the results of pressure-enhanced indoor air sampling (pressure cycling) as a primary line of evidence. The strategy is based on onsite analysis methods presented in scientific literature (Nazaroff et al. 1987; Mosley et al. 2008, 2010; GSI Environmental 2008; McHugh et al. 2012a, 2012b; Beckley et al. 2013, 2014; Holton et al. 2015) and can be used to determine the potential for VI impacts in a building with a single sampling event. It also can be used to identify background indoor sources of VOCs not discovered by conventional approaches. The pressure cycling approach uses a fan to create negative pressure conditions that are favorable to VI, or positive pressure conditions that are unfavorable to VI.

The intent of the pressure cycling method is to measure indoor air concentrations under known and uniform negative or positive pressure conditions. The manipulation of VI conditions in this controlled manner reduces the uncertainty in indoor air concentrations created by natural temporal variability, eliminating the multiple sampling events required to assess variability by conventional VI investigation

methods. This results in a more streamlined and cost-effective VI investigation approach that can yield a robust assessment of whether or not VI is occurring or is significant in a building. In the majority of these studies, although subslab to indoor differential pressure was often monitored, the differential pressure was primarily controlled and reported based on outside/indoor differential pressures, which are generally larger in absolute value.

The pressure cycling approach uses the indoor air sampling results under baseline, negative, and positive pressure conditions to make definitive conclusions regarding the significance of VI.

2.1 Initial Site Walk/Mapping

Initial site walkthroughs and mapping of the former Plant 5 Building were performed during three separate visits that occurred on March 8, March 16, and March 21, 2016. These visits were conducted to determine locations for installing four subslab vapor probes, identify current chemicals stored and used in the building, and obtain general current building characteristics including floor covering and heating/cooling systems. The building floor plan is shown on Figure 2.

Current manufacturing processes typically include fabrication of sheet metal parts. During a visual search and interview with the building occupants, no products were discovered or used in the former Plant 5 Building manufacturing processes that contained TCE or PCE. At CH2M's request to facilitate this testing, CPM had moved the TCE- and PCE-containing chemicals from the former Plant 5 Building. These chemicals were later rediscovered in the West Building. It is unclear how often and for what purpose these chemicals are used, but TCE and PCE could be used in the manufacturing/maintenance activities performed in the building (as discovered in Section 2.5.2). Four locations were selected for probe installation as shown on Figure 3.

2.2 Utility Locate

On March 29, 2016, New York Leak Detection, Inc. performed a utility locate to clear the locations for four interior subslab vapor probes and identify where utilities entered the building. Details are included in the field report in Appendix A.

2.3 Vapor Pin Installations

On March 29, 2016, four Cox-Colvin vapor pins were installed within the former Plant 5 Building in accordance with their respective standard operation procedure for installing and abandoning the pins. The vapor pins were given identification numbers JT1 through JT4 (Figure 3). The pins were installed using a 5/8-inch-diameter hammer drill bit through the concrete floor slab and counter-sunk with a 1.5-inch drill. The floor slab was typically 6 inches thick throughout the former Plant 5 Building. Probe JT1 located in the two-story bay area was installed in an 8-inch-thick portion of the slab. Portions of the slab in this part of the building were reported to be up to 2 feet thick. Probe JT2 was located in an area with an approximately 4-inch-thick wood block floor covering. Several blocks were removed to reveal the 6-inch concrete slab, which the subslab probe was ultimately installed in. All locations were leak-checked after installation.

2.4 Baseline Pressure Monitoring

Omniguard 4 differential pressure monitors were attached to two of the subslab vapor probes, JT1 and JT2, on March 29, 2016, and pressure differentials between the indoor and subslab were recorded with the electronic data logger at 15-minute intervals. A negligible differential pressure was apparent at the JT2 location and it was suspected that unseen cracks in the slab hidden by the wood block floor covering were causing little resistance to flow between indoor air and the subslab vapor through the slab, so the

monitor was moved to the JT3 subslab probe on April 14, 2016. The graphs of the indoor to subslab differential baseline monitoring are presented on Figure 4. Negative differential pressure indicates the indoors is negatively pressurized relative to the subsurface (and thus the driving force is into the structure). The baseline monitoring concluded on April 19, 2016, at which time the monitor that was on probe JT3 was moved to near the rollup door on the western wall to monitor indoor to outdoor air differential pressure in preparation for the building pressure testing (Figure 3).

On April 22, 2016, after the pressure testing was concluded, the monitor at the JT1 locations was relocated to a location on the southern wall to also measure indoor to outdoor air differential pressure. An attempt was made to place the ends of the monitor's reference tubing in a sheltered location and oriented in a downward configuration to decrease the potential of bias from wind effect (see Section 3.1). These monitors gathered baseline indoor to outdoor air differential pressure until May 5, 2016. The graphs of the indoor to outdoor differential baseline monitoring are presented on Figure 5. Negative differential pressure indicates the indoors is negatively pressurized relative to outdoors, and thus, advective flow should be into the building. Data from the differential pressure monitors are included in Appendix B.

2.5 HAPSITE Investigation

The HAPSITE was used to collect and analyze short-term indoor air samples at multiple locations in the building under baseline and varying pressures to help understand indoor air VOC concentration ranges and spatial distributions. The HAPSITE also was used to determine if background indoor air VOC sources and potential preferential pathways for VI are present. Several VOCs were analyzed with the HAPSITE; however, TCE was the main focus of this investigation.

2.5.1 Baseline Testing

An initial field screening consisting of short-duration air samples (1-minute sampling period) with the HAPSITE was conducted in the former Plant 5 Building and the attached West Building on April 18, 2016, to obtain spatial VOC data under normal conditions and occupancy. Sample locations and TCE results are shown on Figures 6a and 6b, and full HAPSITE results are included in Table 1. Photos of several sample locations are included in Appendix C. Several potential preferential pathways also were sampled. Sampling and analysis of the four subslab probes was performed on April 18 and 20, 2016.

2.5.2 Pressure Testing

After sampling in the former Plant 5 Building under baseline conditions, two blower doors were used to:

- Pull air from inside the building to induced negative pressure and later
- Blow air into the building from outside to induce positive pressure

The blower door assemblies were set up in the rollup door between the former Plant 5 Building and the West Building for the negative pressure steps and in the rollup door in the northeastern corner of the building for the positive pressure step (Figures 7a and 7b). The building differential pressure monitors remained in place as described in the baseline monitoring phase and were used during the pressure cycling test. Additional differential pressure readings were taken at the blower doors and the northeastern corner of the building. During testing, the building's doors and windows were closed, and winds were relatively calm.

Approximate flow rates to reach the target pressure differentials were determined on April 19, 2016. Differential pressure testing for the -5 Pa and -10 Pa targets was performed on April 20, 2016 and the +5 Pa and -2.5 Pa targets on April 21, 2016. During the testing, HAPSITE breathing zone samples were taken at multiple locations throughout the building and at the blower door fan (Table 1). Mass flux into the building also was calculated from the blower door fan flow rate and TCE concentration to account

for dilution from the different airflows at each of pressure cycle steps (Table 1). The target test time for each pressure step was calculated based on achieving three indoor air exchanges (Table 2). The pressure cycle step was stopped early if indoor air TCE concentrations had reached an apparent equilibrium after at least one air exchange. Flow rates, differential pressures, and cycle times recorded during the testing are presented in Table 3. The monitor placed in the rollup door on the western wall was used as the main indicator of nominal target indoor to outdoor differential pressure. Readings from monitors at the blower doors, an additional indoor to outdoor location, and a subslab to indoor location were also recorded for reference during the testing. Differential pressure measurements and TCE concentrations are presented on Figure 8 for the HAPSITE baseline and the differential pressure conditions.

A ppbRAE photoionization detector (PID) was used to test select cracks or other potential preferential pathways and entry points during the different pressure cycle steps; results are shown on Figure 9. The HAPSITE was used in survey mode on April 20, 2016, to “sniff” several potential preferential pathways. A survey mode plot with ions specific to TCE (Ions 130, 132, and 95) is included as Figure 10.

During the pressure testing, a spray can of Brakleen Brake Parts Cleaner, which may contain TCE or PCE (Appendix C), was discovered in the former Plant 5 Building. This product may have been used to clean a forklift about a month before the investigation. HAPSITE samples were collected downwind of both forklifts to verify that this was not a significant background indoor source during the time period of the testing.

2.5.3 Quality Assurance and Quality Control

As part of quality assurance (QA)/quality control (QC) measures for this investigation, four 6-liter SUMMA canister samples were collected concurrently (1-minute sample period) with selected HAPSITE samples to verify the accuracy of the HAPSITE results. Eurofins Lancaster Laboratories Environmental of Lancaster, Pennsylvania, performed the fixed laboratory analysis. A SUMMA canister sample was collected from the breathing zone at baseline pressure and +5 Pa, from the blower door exhaust at -10 Pa, and from the outdoor air. TCE, PCE, cis-1,2-DCE, and vinyl chloride results from the HAPSITE and SUMMA canister samples are included in Table 4 and shown on Figure 11. The full laboratory report is included in Appendix D.

SUMMA canister results came back slightly higher than the HAPSITE TCE concentrations in all locations; however, the two methods were correlated and the observed breathing zone concentrations in the SUMMA canister analyses were less than $3 \mu\text{g}/\text{m}^3$. Differences in concentration of a similar or even larger magnitude are frequently observed between two laboratories in interlaboratory comparison studies when using SUMMA canister Method TO-15 (Grosse et al. 2014). Correlation was not evaluated for PCE, cis-1,2-DCE, and vinyl chloride as no HAPSITE results were reported above the reporting limit for those compounds.

Results

3.1 Baseline Pressure Monitoring

Baseline pressure monitoring was conducted to help evaluate the range of differential pressure that the building experienced under normal building operating conditions. For this study, approximately 5 weeks of baseline data were collected. These data were used to verify that the building pressure conditions were generally within a typical -1 to -5 Pa target differential pressure range as reported by McHugh et al. (2012a).

Average indoor air to subslab differential pressures measured at three different subslab soil vapor probes were -0.8 Pa for JT-1, 0 Pa for JT-2, and -0.1 Pa for JT-3 over the 3 weeks monitored (Figure 4). These values are inconsistent at the three locations monitored, and suggest that the building is capable of generating only slightly negative differential pressures, with a majority of it in the 0 to -1.0 Pa range. During the pressure cycle range testing performed on April 19, 2016, it was observed that during the -10 Pa target step for indoor to outdoor air, all four subslab locations had significantly less negative differential pressures (Table 3). This indicated there may be routinely be little resistance to flow between indoor air and the subslab vapor through the slab. Using indoor to outdoor air differential pressure for this building was determined to be a more viable method than using indoor air to subslab differential pressure because it allowed the pressure cycle targets to be achieved and was more comparable to previous field studies. For the pressure cycling in the former Plant 5 Building, the targets of -2.5 and -5 Pa were assumed to bracket the range of pressures the building would typically undergo, and the target of -10 Pa would stress the building envelope beyond that typical range. Indoor to outdoor air differential monitoring (discussed below) was performed after the HAPSITE investigation was completed to confirm this.

Average indoor to outdoor differential pressure between the western and southern wall monitoring locations over a 2-week baseline period was -2.2 Pa (Figure 5). The periodic readings at these two locations were typically opposite each other. This suggests that some of the measured differential pressure is from wind effect and localized to particular sides of the building. The wind effect is caused by air piling up on the side of the building where a monitor is located and creates an artificial pressure increase on that wall that appears as a negative differential pressure reading on the monitor. Averaging the measurement across two different walls helps minimize that effect and give a truer representation of average indoor to outdoor differential pressure.

More than 95 percent of the data obtained was within the 0 to -5 Pa range; measurements outside that range were not sustained. The average from the two monitors of -2.2 Pa with a standard deviation of 1.2 Pa, suggests the typical differential pressure within the building was well within the range of the planned pressure cycling targets.

3.2 HAPSITE Investigation

3.2.1 Baseline Testing

Grab sample breathing zone indoor air sample concentrations of TCE were generally greater than outdoor concentrations and ranged from approximately 0.6 to 1.4 $\mu\text{g}/\text{m}^3$ within the former Plant 5 Building under normal occupancy and conditions during the initial baseline testing performed on April 18, 2016 (Table 1 and Figure 6). Re-baseline sampling of indoor air performed before pressure testing on April 20, 2016, had grab sample TCE concentrations as high as 2.8 $\mu\text{g}/\text{m}^3$. In general, concentrations in the northern end of the building were slightly higher than the southern end of the building. Therefore,

potential preferential pathways and entry points in the northern end of the building were further assessed with measurements at floor level and below. Somewhat higher concentrations of TCE were observed in the northeastern portion from those potential pathways near the loading dock ramp (Table 1). The ions present in a survey (or “sniff”) mode chromatogram acquired with the HAPSITE at several of the same potential pathways (Figure 10) indicates TCE is present in soil gas entering the structure.

Indoor air concentrations of TCE in the West Building air were generally the same as the former Plant 5 Building, with the exception of the southeastern corner where concentrations of TCE were detected as high as $11.2 \mu\text{g}/\text{m}^3$ (Table 1 and Figure 6a). Drums and other containers containing TCE, PCE, and TCA were observed nearby (the ones temporarily removed from the former Plant 5 Building at the request of CH2M to conduct these tests). These drums did not appear to affect the former Plant 5 Building indoor air during the testing period because of the distance from the former Plant 5 Building and lower indoor air concentrations of TCE between the drums and the northern end of the former Plant 5 Building. Additionally, the field team was careful to direct the blower door directions so as not to draw air from these drums into the test space.

The indoor air results from this 2016 study in the former Plant 5 Building are more than an order of magnitude lower than the $100 \mu\text{g}/\text{m}^3$ sample collected in April 2014 (URS 2015). This provides strong evidence that under typical operating conditions, the concentration of TCE in the CPM facility is dominated by the indoor air sources, and its distribution is dependent on where these products are stored.

Subslab TCE concentrations observed ranged from 95 to $5,580 \mu\text{g}/\text{m}^3$ (Table 1 and Figure 6b) and are similar to concentrations presented in the prior VI report (URS 2015).

3.2.2 Pressure Testing

The pressure testing was successful at obtaining and maintaining the differential indoor to outdoor air pressure targets during the negative pressure cycle. TCE concentrations slightly declined as the building depressurization was increased (Table 1 and Figure 8). PID concentrations observed at potential preferential pathways generally increased with increasing depressurization (Figure 9). Although concentrations declined at the blower door exhaust (that integrates the air being collected from the building), mass flux remained about the same during each step (Table 1). This suggests that dilution with outdoor air is occurring through leaks in the building envelope, and VI-sourced TCE has reached its worst-case entry rate, which is likely limited by diffusion (Guo 2015). However, although there was elevated response for total VOCs at some the potential pathways measured, there did not appear to be enough mass transfer from the subslab to increase indoor air concentrations of TCE. The data suggest that with the industrial uses of TCE temporarily removed from the former Plant 5 Building, TCE concentrations observed are representative of VI.

During the positive pressure cycle, the indoor air TCE concentrations decreased and then stabilized at the outdoor air concentration, below reporting limits. This suggests dilution may be occurring and that the temporary removal of indoor sources from the former Plant 5 Building for this study was successful. A small volume of additional potential background indoor source (Brakleen Brake Parts Cleaner) discovered visually during the pressure testing and its reported use did not appear to have an impact on indoor air TCE concentrations during the testing. The concentration profile within the CPM occupied spaces were controlled by the temporary relocation of the drum quantities of chlorinated solvents to the West Building.

Conclusion and Recommendation

Based on the multiple lines of evidence approach used to assess the potential for VI against a potential indoor source(s) in this study, the following was concluded:

- Strong background indoor sources of TCE were present during the prior VI sampling study in the former Plant 5 Building when an indoor air concentration of $100 \mu\text{g}/\text{m}^3$ was reported from a sample collected in April 2014 (URS 2015). These indoor sources were temporarily removed from the former Plant 5 Building but relocated elsewhere in CPM's operations (West Building) where elevated TCE concentrations of up to $11.2 \mu\text{g}/\text{m}^3$ TCE were observed during this investigation. Concentrations of TCE in indoor air remain below indoor air screening levels in the West Building except near the background source. Although efforts were made to remove all sources from former Plant 5 Building at the request of CH2M for this study, there is a high potential for the sources to be reintroduced to the former Plant 5 Building as production operations and other normal manufacturing/maintenance activities continue in the building.
- Short-term concentration measurements indicate current indoor air concentration of TCE are much lower than previous study findings, are above outdoor air concentrations, but in the range of referenced indoor background concentrations. Some results were slightly above the NYSDOH indoor air screening level of $2 \mu\text{g}/\text{m}^3$, but all were below conservative EPA industrial screening levels and far below ACGIH, OSHA, and NIOSH exposure limits.
- All of the SUMMA canister indoor air samples had cis-1,2-DCE and vinyl chloride which is indicative of biodegradation of TCE. Although this is potential evidence of VI from underlying groundwater, concentrations of TCE were higher in the area where it was stored and no degradation products were observed indicating indoor TCE use is likely the cause for elevated indoor air concentrations.
- Subslab soil vapor TCE concentrations were similar to those reported in the prior study, and there appear to be potential preferential pathways for VI. Pressure cycling was able to obtain differential pressures well within ranges observed during baseline differential pressure monitoring, but more negative differential pressure was not able to increase indoor air concentrations. There was not a corresponding increase with flux through the slab with the increase in airflow resulting from the building depressurization. This suggests that although VI is a contributing factor to the indoor VOC concentrations, the VOC concentrations under normal and worse-case (negative pressure) scenarios are limited by diffusive processes and are close to the most conservative indoor air screening levels.

Since the dataset suggests the previous indoor air concentrations of TCE were controlled primarily by the TCE-containing products that were used and stored within the building for the industrial processes, the industrial hygiene values should be applied to the current exposures. The workers using the building are believed to be involved in metal fabrication activities where TCE exposure could occur; therefore, exposure could be best minimized through good industrial hygiene practices in CPM's operation. Active mitigation is not warranted, since it would have little effect on indoor concentrations and consume significant energy.

Given that VOCs were detected at low concentrations within former Plant 5 Building, recommendations for future VI activities could include tightly bolting and gasketing the well caps in the floor. This would be expected to provide a small assistance for reducing VI. Changes to the current exposures will be monitored through biennial subslab sampling in the former Plant 5 Building (including the compressor room) and institutional controls on building use. Longer-term exposures are being reduced through remediation actions and can be further managed with institutional controls. Future indoor air sampling is not recommended because of the high potential for bias from background indoor sources.

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Tables

Table 1. Jamestown HAPSITE Sample Results April 2016
Vapor Intrusion Results and Evaluation Investigation Report
Former Plant 5 Building and West Building
Essex-Hope Site, Jamestown, New York

Location	Time	Dilution Factor	Notes	RL Unit	Vinyl Chloride			cis-1,2-DCE			TCE			PCE			Pressure	Flow rate (CFM)	Flow rate (Cubic Meters per minute)	Mass Flux (ug/min)
					RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q				
IA1	4/18/2016, 8:04:19 AM	1	middle east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.4		0.7	0.7	U	Baseline			
IA2	4/18/2016, 8:05:15 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.4		0.7	0.7	U	Baseline			
IA3	4/18/2016, 8:20:28 AM	1	3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.7	U	Baseline			
IA4	4/18/2016, 8:41:30 AM	1	2nd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Baseline			
OA1	4/18/2016, 8:58:24 AM	1	outside, nw corner	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	Baseline			
IA5	4/18/2016, 9:07:35 AM	1	middle west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.7	U	Baseline			
IA6	4/18/2016, 9:16:54 AM	1	compressor room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.7	U	Baseline			
IA7	4/18/2016, 9:30:21 AM	1	se room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	Baseline			
IA8	4/18/2016, 9:49:25 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Baseline			
PP1	4/18/2016, 10:04:05 AM	1	ramp drain	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.7		0.7	0.7	U	Pathway			
PP2	4/18/2016, 10:29:00 AM	1	dirt floor	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Pathway			
IA9	4/18/2016, 10:44:17 AM	1	office	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	Baseline			
IA10	4/18/2016, 11:06:20 AM	1	West Bldg NE corner	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.0		0.7	0.7	U	Baseline			
IA11	4/18/2016, 11:14:48 AM	1	West Bldg SE corner	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.9		0.7	1.0		Baseline			
IA12	4/18/2016, 11:25:46 AM	1	West building middle east	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.1		0.7	0.7	U	Baseline			
IA13	4/18/2016, 11:33:53 AM	1	West building middle north	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	0.7	U	Baseline			
IA14	4/18/2016, 11:43:27 AM	1	West building SW corner	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	Baseline			
IA15	4/18/2016, 11:53:00 AM	1	West building south	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	Baseline			
IA11 Re	4/18/2016, 12:01:07 PM	1	West building SE corner repeat	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	4.8		0.7	1.7		Baseline			
IA16	4/18/2016, 12:10:52 PM	1	West building by cvoc drums	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	11.2		0.7	8.3		Baseline			
OA2	4/18/2016, 12:23:20 PM	1	outside west building	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	1.3		Baseline			
PP3	4/18/2016, 1:18:20 PM	1	hole by north wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	1.0		Pathway			
PP4	4/18/2016, 1:32:19 PM	1	Crack by north wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	Pathway			
PP5	4/18/2016, 1:43:59 PM	1	Crack in NE corner	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	6.9		0.7	0.7	U	Pathway			
PP6	4/18/2016, 1:57:40 PM	1	Crack by east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	8.2		0.7	0.7	U	Pathway			
PP7	4/18/2016, 2:09:23 PM	1	hole in east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.6		0.7	0.7	U	Pathway			
PP8	4/18/2016, 2:20:30 PM	1	Crack by east wall 2	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Pathway			
PP9	4/18/2016, 2:30:03 PM	1	Crack on west side of ramp	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	8.8		0.7	0.7	U	Pathway			
PP10	4/18/2016, 2:40:03 PM	1	Crack west of ramp	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.6		0.7	0.7	U	Pathway			
SS-JT1	4/18/2016, 3:17:04 PM	8	8x dilution of JT1 subslab	ug/m3	10.4	10.4	U	16.1	16.1	U	4.4	94.6		5.5	22.8		Subslab			
OA4	4/20/2016, 7:30:21 AM	1	outside treatment shed	ug/m3	1.3	6.8		2.0	11.8		0.5	11.1		0.7	0.7	U	Baseline			
OA3	4/20/2016, 7:47:12 AM	1	outside - west wall rolling door	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	Baseline			
IA2	4/20/2016, 7:54:44 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.1		0.7	0.7	U	Baseline			
IA17	4/20/2016, 8:05:28 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Baseline			
IA7	4/20/2016, 8:14:40 AM	1	se room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.0		0.7	0.7	U	Baseline			
IA8	4/20/2016, 9:00:54 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.8		0.7	0.7	U	Baseline			
IA8	4/20/2016, 9:10:03 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.4		0.7	0.7	U	Baseline			
IA4	4/20/2016, 9:19:57 AM	1	2nd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.1		0.7	0.7		Baseline			
BDE	4/20/2016, 9:30:31 AM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.8		0.7	1.5		Baseline			
BDE	4/20/2016, 9:50:06 AM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.7		0.7	0.8		-2.5	5400	163	285
IA17	4/20/2016, 10:04:04 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.2		0.7	0.7	U	-5			
IA2	4/20/2016, 10:13:10 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.3		0.7	0.7	U	-5			
BDE	4/20/2016, 10:23:58 AM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.8		0.7	0.7	U	-5	7990	226	398
IA17	4/20/2016, 10:32:46 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	-5			
IA2	4/20/2016, 10:41:15 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.2		0.7	0.7	U	-5			
BDE	4/20/2016, 10:50:26 AM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.5		0.7	0.7	U	-5	7990	226	345
IA17	4/20/2016, 11:01:15 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.5		0.7	0.7	U	-5			
IA2	4/20/2016, 11:10:55 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.1		0.7	0.7	U	-5			
IA8	4/20/2016, 11:18:39 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	2.0		0.7	0.7	U	-5			
BDE	4/20/2016, 11:30:56 AM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	-5	7990	226	292
IA17	4/20/2016, 11:40:57 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.5		0.7	0.7	U	-5			
IA2	4/20/2016, 11:50:35 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	-5			

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					RL	Result	Q	RL	Result	Q	RL	Result	Q	RL	Result	Q				
IA2	4/20/2016, 12:21:16 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	-10	11325	321	303
IA17	4/20/2016, 12:30:56 PM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.2		0.7	0.7	U	-10			
BDE	4/20/2016, 12:45:38 PM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.7	U	-10			
IA2	4/20/2016, 12:55:18 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.1		0.7	0.7	U	-10			
IA17	4/20/2016, 1:00:14 PM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.2		0.7	0.7	U	-10	11325	321	263
BDE	4/20/2016, 1:12:54 PM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	-10			
IA2	4/20/2016, 1:25:45 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.1		0.7	0.7	U	-10			
IA17	4/20/2016, 1:34:34 PM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.0		0.7	0.7	U	-10			
BDE	4/20/2016, 1:45:11 PM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	-10	11325	321	265
SS-JT4	4/20/2016, 3:05:54 PM	60	60x dilution of JT4 subslab	ug/m3	78	78	U	121	121	U	33	157		41.4	41.4	U	Subslab			
SS-JT2	4/20/2016, 3:15:53 PM	60	60x dilution of JT2 subslab	ug/m3	78	78	U	121	161		33	167		41.4	41.4	U	Subslab			
SS-JT3	4/20/2016, 3:30:45 PM	60	60x dilution of JT13subslab	ug/m3	78	78	U	121	121	U	33	5575		41.4	41.4	U	Subslab			
OA3	4/21/2016, 8:10:04 AM	1	outside Bldg 5 west wall roll up door	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	Baseline			
IA8	4/21/2016, 8:25:36 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.7		0.7	0.7	U	Baseline			
IA17	4/21/2016, 8:33:34 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	Baseline			
IA2	4/21/2016, 8:42:45 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.6		0.7	0.7	U	Baseline			
IA7	4/21/2016, 8:53:40 AM	1	se room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.2		0.7	0.7	U	Baseline			
IA8	4/21/2016, 9:34:41 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.0		0.7	0.7	U	5			
IA17	4/21/2016, 9:42:38 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.0		0.7	0.7	U	5			
IA2	4/21/2016, 9:50:15 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	5			
IA8	4/21/2016, 9:59:07 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.6		0.7	0.7	U	5			
IA17	4/21/2016, 10:08:52 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.8	U	5			
IA2	4/21/2016, 10:16:37 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	0.7	U	5			
IA8	4/21/2016, 10:33:23 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	5			
BDI	4/21/2016, 10:42:32 AM	1	Blower door (In between fans)	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	5			
IA17	4/21/2016, 10:50:31 AM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	5			
IA2	4/21/2016, 11:03:17 AM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	5			
IA8	4/21/2016, 11:12:04 AM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	5			
OA3	4/21/2016, 12:25:47 PM	1	outside Bldg 5 west wall roll up door	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	Baseline			
IA2	4/21/2016, 12:33:27 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	Baseline			
IA17	4/21/2016, 12:41:09 PM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	Baseline			
IA8	4/21/2016, 12:50:55 PM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	Baseline			
IA2	4/21/2016, 1:09:44 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	-2.5	5350	151	100
IA17	4/21/2016, 1:17:35 PM	1	middle, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	0.7	U	-2.5			
IA8	4/21/2016, 1:25:29 PM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	-2.5			
FL1	4/21/2016, 1:35:25 PM	1	by forklift nissan	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.8		0.7	0.7	U	-2.5			
FL2	4/21/2016, 1:43:36 PM	1	by forklift clark	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	-2.5			
IA2	4/21/2016, 1:52:30 PM	1	middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.6		0.7	0.7	U	-2.5			
BDE	4/21/2016, 2:01:22 PM	1	Blower door exhaust	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	0.7	U	-2.5			
IA8	4/21/2016, 2:11:11 PM	1	middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.3		0.7	0.7	U	-2.5			
BDE	4/21/2016, 2:20:55 PM	1	Roll up door open from 14:10-14:20, Blower	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	-2.5			
IA4	4/22/2016, 9:44 AM	1	Roll up door open, 2nd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	NA			
IA8	4/22/2016, 9:52 AM	1	Roll up door open, middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	1.2		0.7	0.7	U	NA			
IA2	4/22/2016, 10:00 AM	1	Roll up door open, middle, 2nd post from east wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	NA			
IA3	4/22/2016, 10:10 AM	1	Roll up door open, 3rd post from west wall	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	NA			
IA6	4/22/2016, 10:22 AM	1	Roll up door open, compressor room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	NA			
IA7	4/22/2016, 10:31 AM	1	Roll up door open, se room	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.9		0.7	0.7	U	NA			
IA8	4/22/2016, 10:41 AM	1	Roll up door open, middle low area	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.7		0.7	0.7	U	NA			
OA3	4/22/2016, 10:53 AM	1	Roll up door open, outside Bldg 5 west wall r	ug/m3	1.3	1.3	U	2.0	2.0	U	0.5	0.5	U	0.7	0.7	U	NA			

Table 2. Air Exchange Rate Calculations - April 2016

Vapor Intrusion Results and Evaluation Investigation Report

Former Plant 5 Building

Essex-Hope Site, Jamestown, New York

Air Exchange Calculator	
Area	16800 ft ²
Height	36 ft
Volume	604800 ft ³
-5 Pascals Delta P Depressurization	
Target Flow	8000 cfm
1 Air Exchange	76 minutes
3 Air exchange	227 minutes
-10 Pascals Delta P Depressurization	
Target Flow	12000 cfm
1 Air Exchange	50 minutes
3 Air exchange	151 minutes
+5 Pascals Delta P Depressurization	
Target Flow	8000 cfm
1 Air Exchange	76 minutes
3 Air exchange	227 minutes
-2.5 Pascals Delta P Depressurization	
Target Flow	5400 cfm
1 Air Exchange	112 minutes
3 Air exchange	336 minutes

Table 3. Blower Door Pressure and Flow Data - April 2016
Vapor Intrusion Results and Evaluation Investigation Report
Former Plant 5 Building
Essex-Hope Site, Jamestown, New York

			Blower Door							Differential Pressure Monitors						
					Left Blower Door Flow Rate (CFM)	Right Blower Door Flow Rate (CFM)	Total Blower Door Flow Rate (CFM)	Left Blower Door Pressure (Pa)	Right Blower Door Pressure (Pa)	OmniGuard, IA/OA (Pa) West roll up door	DP1 IA/OA (Pa) NE Corner	OmniGaurd, IA/SS-JT1 (Pa)	SS-JT3	SS-JT2	SS-JT4	
Date	Pressure Cycle Condition	Time	Ring (Open, A, B) - Left	Ring (Open, A, B) - Right												
4/19/2016	Range Finding	1340	Open	Open				-1.3	-1.2		-2	-1.0				
4/19/2016	Range Finding	1350	Open	Open	5160	5200	10360	-21.0	-12.0	-10.0	-7	-3.0	-1.0	-1.0	0.0	
4/19/2016	Range Finding	1400	Open	Open	5017	5190	10207	-18.5	-11.5	-7.0		-3.0				
4/20/2016	Baseline	9:15	-	-	-			-	-	-2.0	-2	-1.0	NM	NM	NM	
4/20/2016	Baseline	9:35	-	-	-			-0.9	-0.9	-1.0	-2	-1.0	NM	NM	NM	
4/20/2016	-2.5	9:45	Open	Off	5400	0	5400	-5.0	-4.6	-3.0	-3	-1.5	NM	NM	NM	
4/20/2016	-5.0	9:55	Open	Open	4050	3950	8000	-7.0	-7.0	-5.0	-6	-2.0	NM	NM	NM	
4/20/2016	-5.0	10:15	Open	Open	3950	3850	7800	-6.5	-6.4	-5.0	-3	-2.0	NM	NM	NM	
4/20/2016	-5.0	10:29	Open	Open	3900	3800	7700	-8.0	-8.0	-4.5	-6	-2.0	NM	NM	NM	
4/20/2016	-5.0	10:40	Open	Open	3950	4050	8000	-8.3	-8.2	-5.0	-7	-2.0	NM	NM	NM	
4/20/2016	-5.0	11:00	Open	Open	4040	4150	8190	-7.4	-7.2	-4.5	-6	-2.0	NM	NM	NM	
4/20/2016	-5.0	11:30	Open	Open	4050	4200	8250	-9.0	-11.0	-4.0	-6	-2.0	NM	NM	NM	
					Average	7990		-7.3	-7.5	-4.4	-5	-1.9				
4/20/2016	-10	12:10	Open	Open	5500	5600	11100	-13.0	-13.0	-10.0	-8	-2.5	NM	NM	NM	
4/20/2016	-10	12:35	Open	Open	5650	5750	11400	-11.0	-11.0	-9.5	-10	-3.0	NM	NM	NM	
4/20/2016	-10	13:00	Open	Open	5600	5750	11350	-11.0	-11.0	-8.0	-9	-2.5	NM	NM	NM	
4/20/2016	-10	13:10	Open	Open	5650	5800	11450	-11.0	-11.5	-8.0	-8	-3.5	NM	NM	NM	
					Average	11325		-11.5	-11.6	-8.9	-9	-2.9				
4/20/2016	-5	13:50						-8.5	-8.6	-5.5	-4	-1.5	NM	NM	NM	
4/20/2016	OFF	14:35								OFF						
4/21/2016	Baseline	8:30	-	-	-	-	-	-	-	-1.5	-	-0.5	NM	NM	NM	
4/21/2016	Baseline	9:25	-	-	-	-	-	-1.0	-1.0	-0.5	-1.0	-0.5	NM	NM	NM	
4/21/2016	+ 5.0	9:30	Open	Open	5000	4250	9250	4.1	5.0	4.0	2.0	0.5	NM	NM	NM	
4/21/2016	+ 5.0	9:40	Open	Open	5300	5100	10400	4.5	5.0	5.0	2.0	0.5	NM	NM	NM	
4/21/2016	+ 5.0	9:50	Open	Open	4700	5000	9700	4.0	4.5	5.0	3.0	1.0	NM	NM	NM	
4/21/2016	+ 5.0	10:05	Open	Open	5000	5100	10100	4.2	6.0	6.0	5.0	1.0	NM	NM	NM	
4/21/2016	+ 5.0	10:30	Open	Open	5100	5000	10100	5	6.3	5	5	1.5	NM	NM	NM	
4/21/2016	+ 5.0	11:00	Open	Open	5050	5000	10050	7.5	6.0	4.0	4.0	2.0	NM	NM	NM	
4/21/2016	+ 5.0	11:20	Open	Open	5600	5200	10800	4.1	7.2	4.0	5.0	1.5	NM	NM	NM	
4/21/2016	OFF	11:21								OFF						
					Average	10057		4.8	5.7	4.7	3.7	1.1				
4/21/2016	Baseline	12:55	-	-	-	-	-	-1.1	-1.1	-1.0	1.0	0.0	NM	NM	NM	
4/21/2016	-2.5	13:03	Open	-	5500	-	5500	-3.9	-4.1	-4.5	-2.0	-0.5	NM	NM	NM	
4/21/2016	-2.5	13:11	Open	-	5300	-	5300	-3.6	-3.5	-2.5	-2.0	-0.5	NM	NM	NM	
4/21/2016	-2.5	13:30	Open	-	5300	-	5300	-3.7	-3.5	-2	-2.0	-0.5	NM	NM	NM	
4/21/2016	-2.5	14:20	Open	-	5300	-	5300	-3.5	-4.3	-3	-2.0	-0.5	NM	NM	NM	
					Average	5350		-3.7	-3.9	-3.0	-2.0	-0.5				
4/21/2016		14:25								OFF						
4/21/2016		14:26								Both fans on full to get max DP for crack sampling						
4/21/2016		14:30								OFF						

NM =Not Measured

Note: On 4/21/16 roll up door was open from 14:10 - 14:20

Table 4. HAPSITE Air Samples Compared to Summa Canister QA/QC Lab Results - April 2016
Vapor Intrusion Results and Evaluation Investigation Report
Former Plant 5 Building
Essex-Hope Site, Jamestown, New York

			TCE			
			HAPSITE		Laboratory	
			ug/m3			
			Result	Flag	Result	Flag
Field ID	Sample Type	Lab ID				
BLD05-IA17SC-042016	Plant 5 - breathing zone sample (Baseline)	AQ 8349239	1.3		2.8	
BLD05-IA02SC-042116	Plant 5 - breathing zone sample (+5 Pa)	AQ 8349240	0.5	U	1.5	
BLD05-OA03SC-042116	Outdoor air sample	AQ 8349241	0.5	U	0.4	
BLD05-IABDESC-042016	Blower door exhaust sample (-10 Pa)	AQ 8349242	0.8		2.3	

Notes:
 U = Below the reporting limits
 J = Data below calibration curve for that constituent, quantity estimated results may be biased low.

Figures



Legend

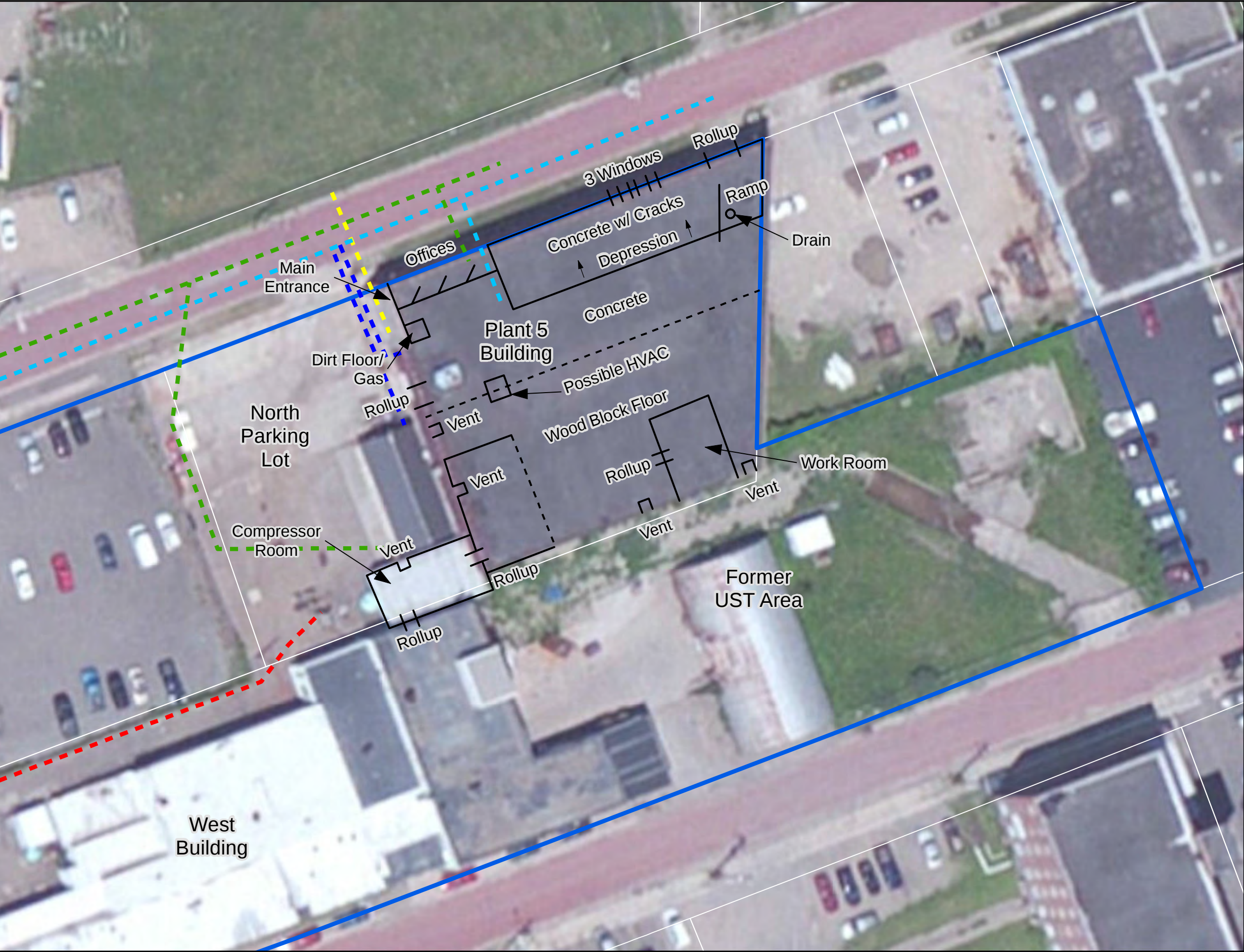
- Approximate Site Boundary
- Parcel Boundary

N

0 60 120 Feet

1 inch = 60 feet

FIGURE 1
ESSEX/HOPE SITE AREAS
*Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York*



Legend

Utilities

- Domestic Water Service
- Fire Water Service
- Gas/Flammable Fuel
- Power
- Storm/Sanitary
- Approximate Site Boundary
- Parcel Boundary

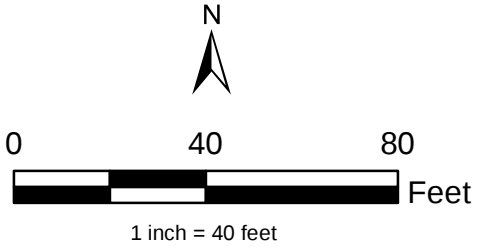


FIGURE 2
**FORMER PLANT 5
BUILDING FLOOR PLAN**
VAPOR INTRUSION INVESTIGATION
AND EVALUATION REPORT
JAMESTOWN, NEW YORK



Legend

Subslab Vapor Probe

Indoor to Outdoor Air Baseline Differential Pressure Monitoring Location. Utilized for an approximate two week period after the HAPSITE investigation was completed.

Utilities

Domestic Water Service

Fire Water Service

Gas/Flammable Fuel

Power

Storm/Sanitary

Approximate Site Boundary

Parcel Boundary

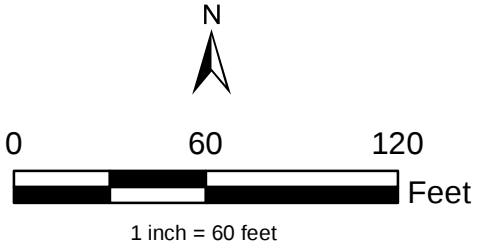


FIGURE 3
Subslab Vapor Probe and Indoor/ Outdoor Pressure Monitoring Locations
*Vapor Intrusion Investigation and Evaluation Report
Jamestown, New York*

Indoor to Subslab Pressure Differential

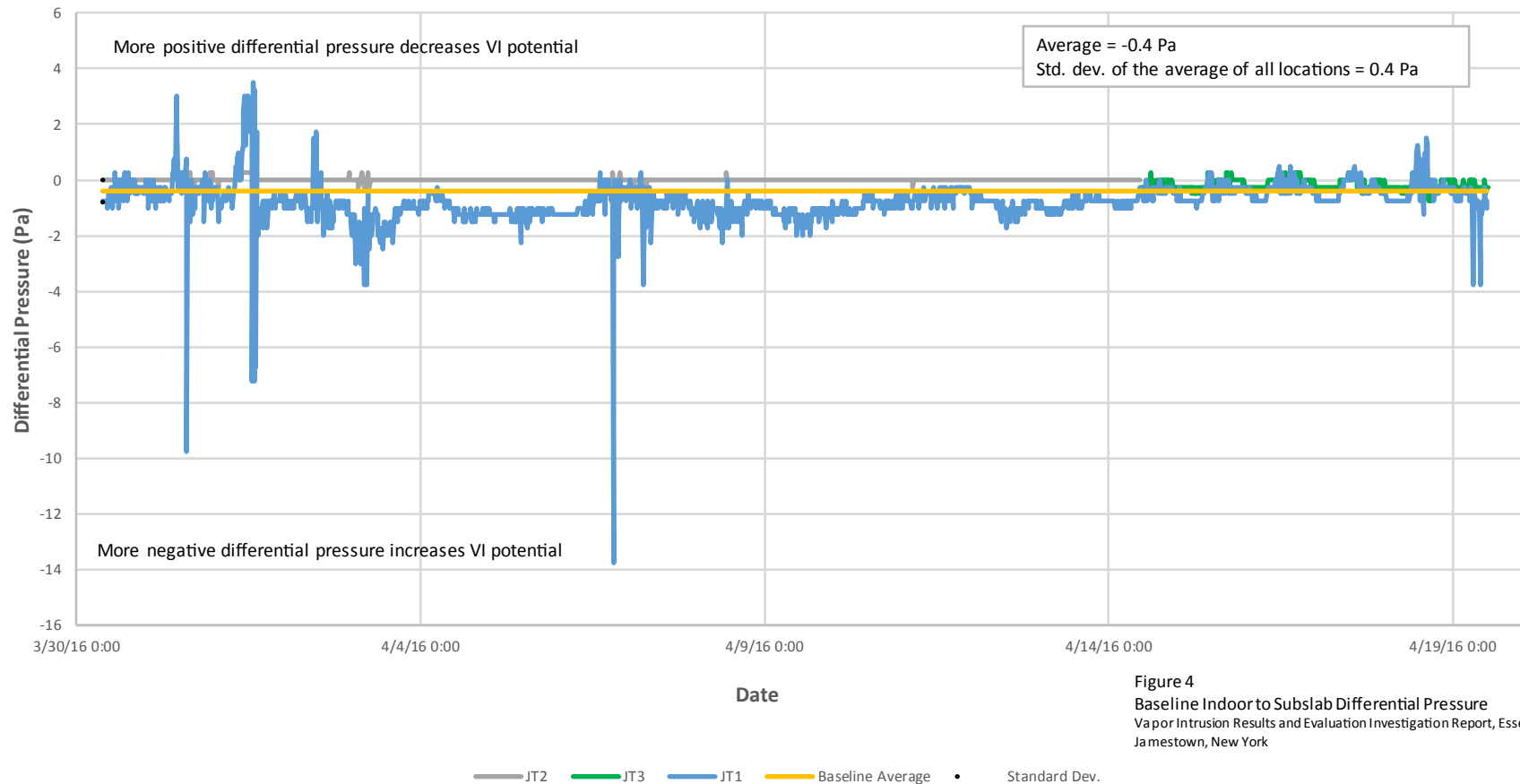


Figure 4
Baseline Indoor to Subslab Differential Pressure
Vapor Intrusion Results and Evaluation Investigation Report, Essex-Hope Site
Jamestown, New York

Figure 4.
Baseline Indoor to Subslab Differential Pressure
*Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York*

Indoor to Outdoor Baseline Pressure Differential

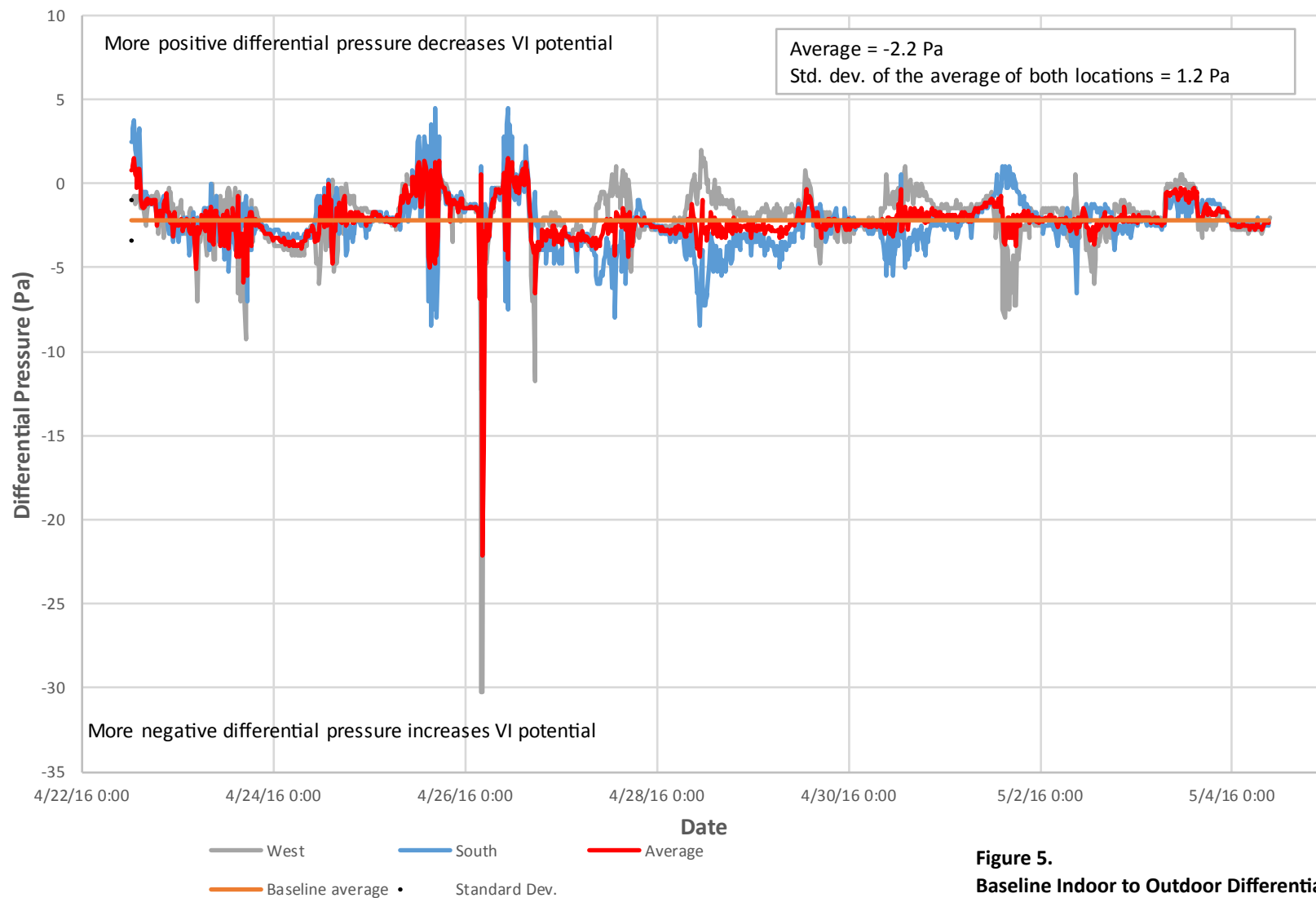
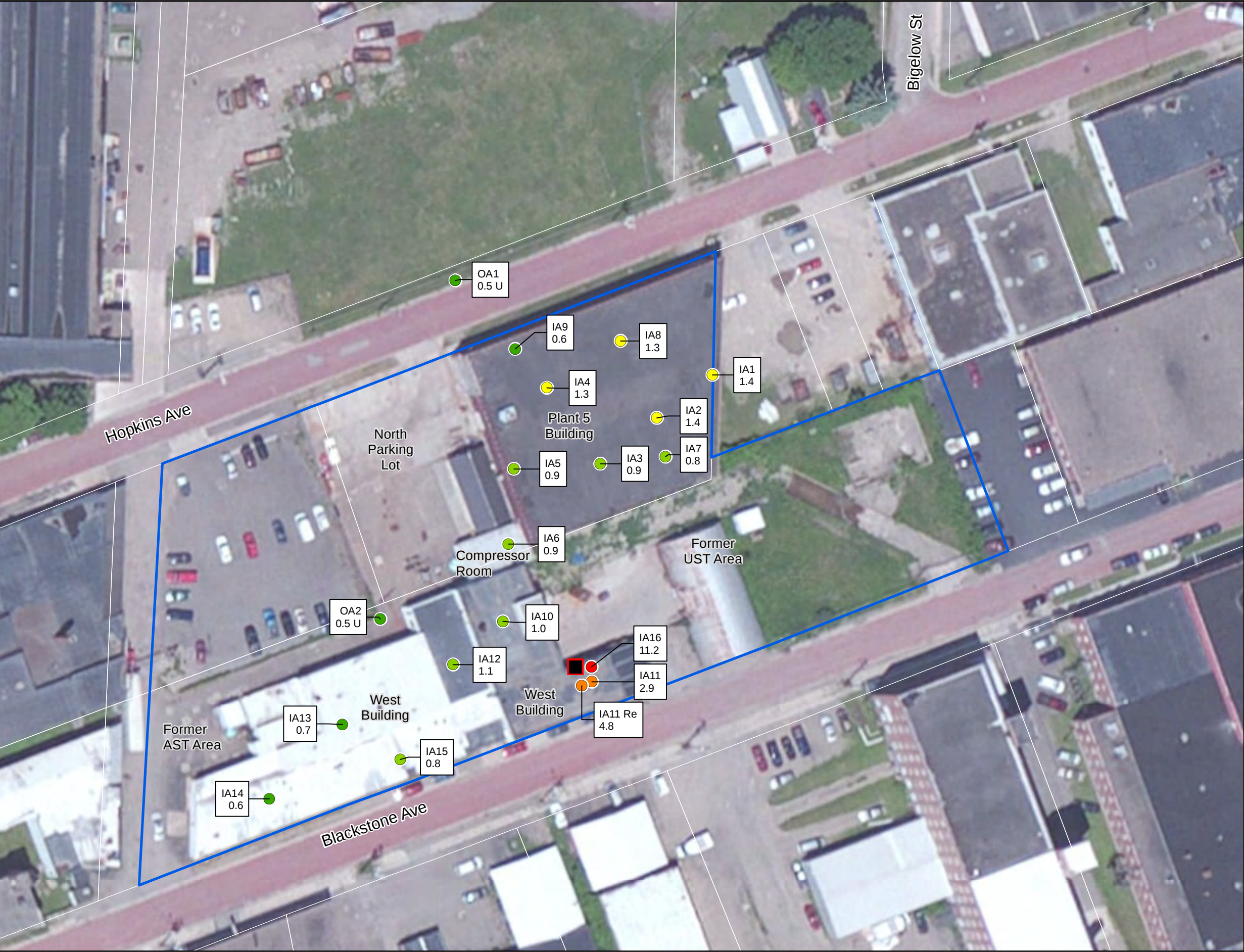


Figure 5.
Baseline Indoor to Outdoor Differential Pressure

*Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York*



Legend

TCE Indoor Air Results ($\mu\text{g}/\text{m}^3$)

- 0.5 - 0.7
- 0.71 - 1.1
- 1.11 - 1.4
- 1.41 - 4.8
- 4.81 - 11.2

Relocated Storage Drum

Approximate Site Boundary

Parcel Boundary

Notes:
All TCE results in $\mu\text{g}/\text{m}^3$.
U = Not detected above the reporting limit

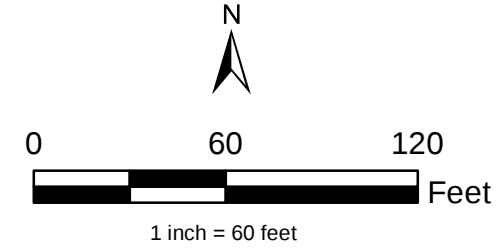


FIGURE 6A
BASELINE INDOOR AIR HAPSITE
TCE RESULTS
VAPOR INTRUSION INVESTIGATION
RESULTS AND EVALUATION REPORT
ESSEX-HOPE SITE
JAMESTOWN, NEW YORK



Legend

- Subslab Sample Site
- Approximate Site Boundary
- Parcel Boundary

Note:
All TCE results in $\mu\text{g}/\text{m}^3$.

N

0 60 120 Feet

1 inch = 60 feet

FIGURE 6B
SUBSLAB HAPSITE TCE RESULTS
VAPOR INTRUSION INVESTIGATION
RESULTS AND EVALUATION REPORT
ESSEX-HOPE SITE
JAMESTOWN, NEW YORK

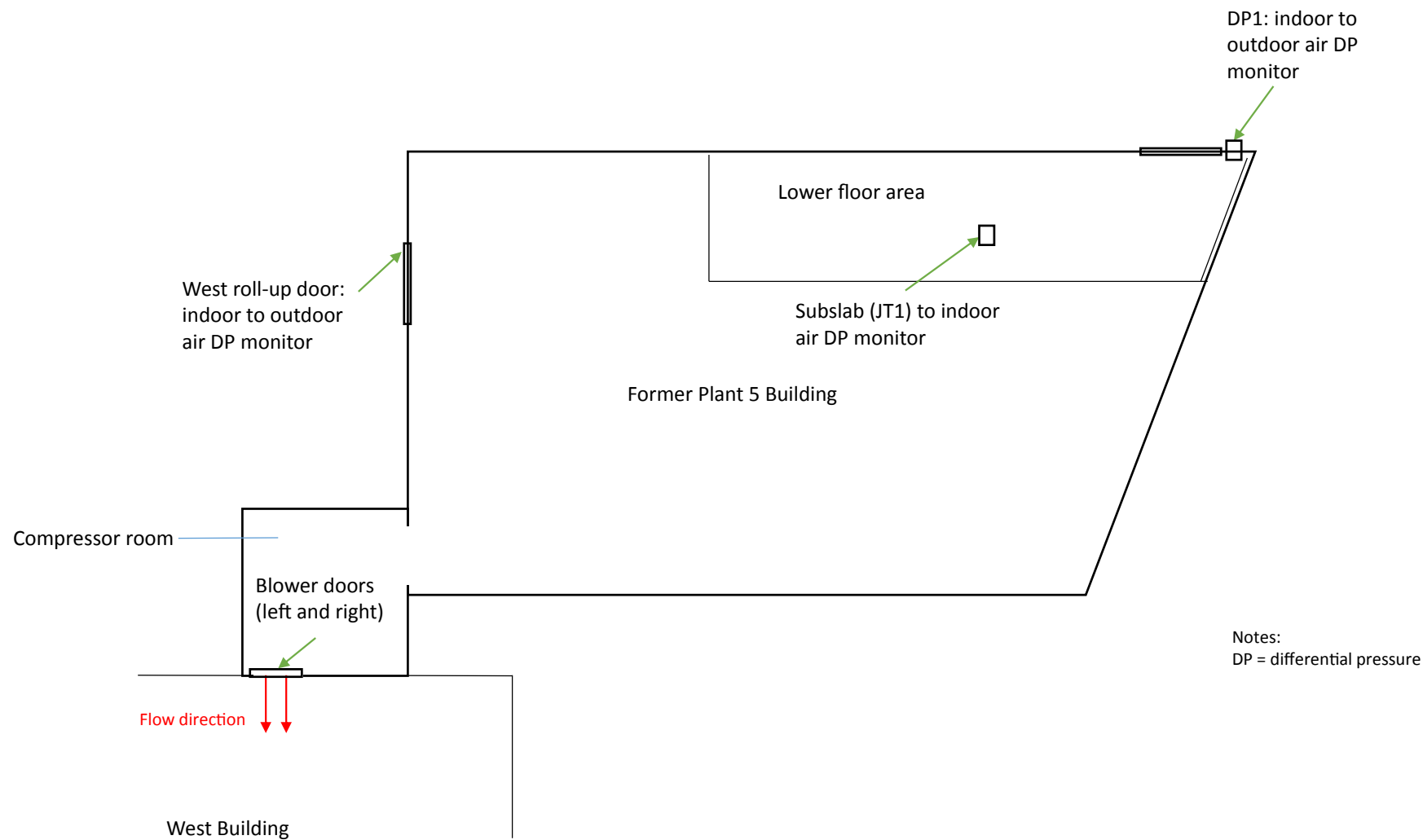


Figure 7a.
Negative Pressure Cycling Configuration
Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York

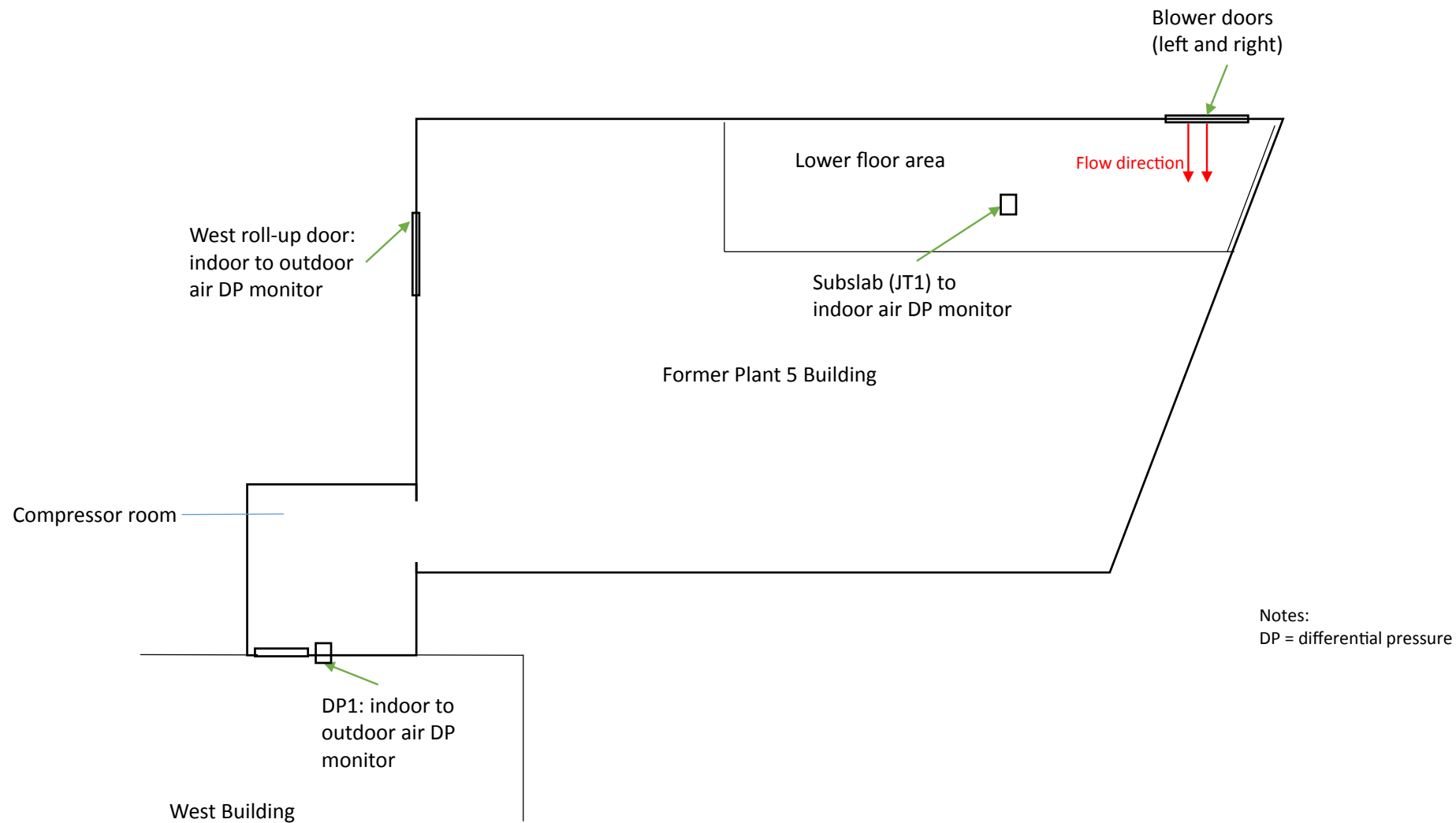
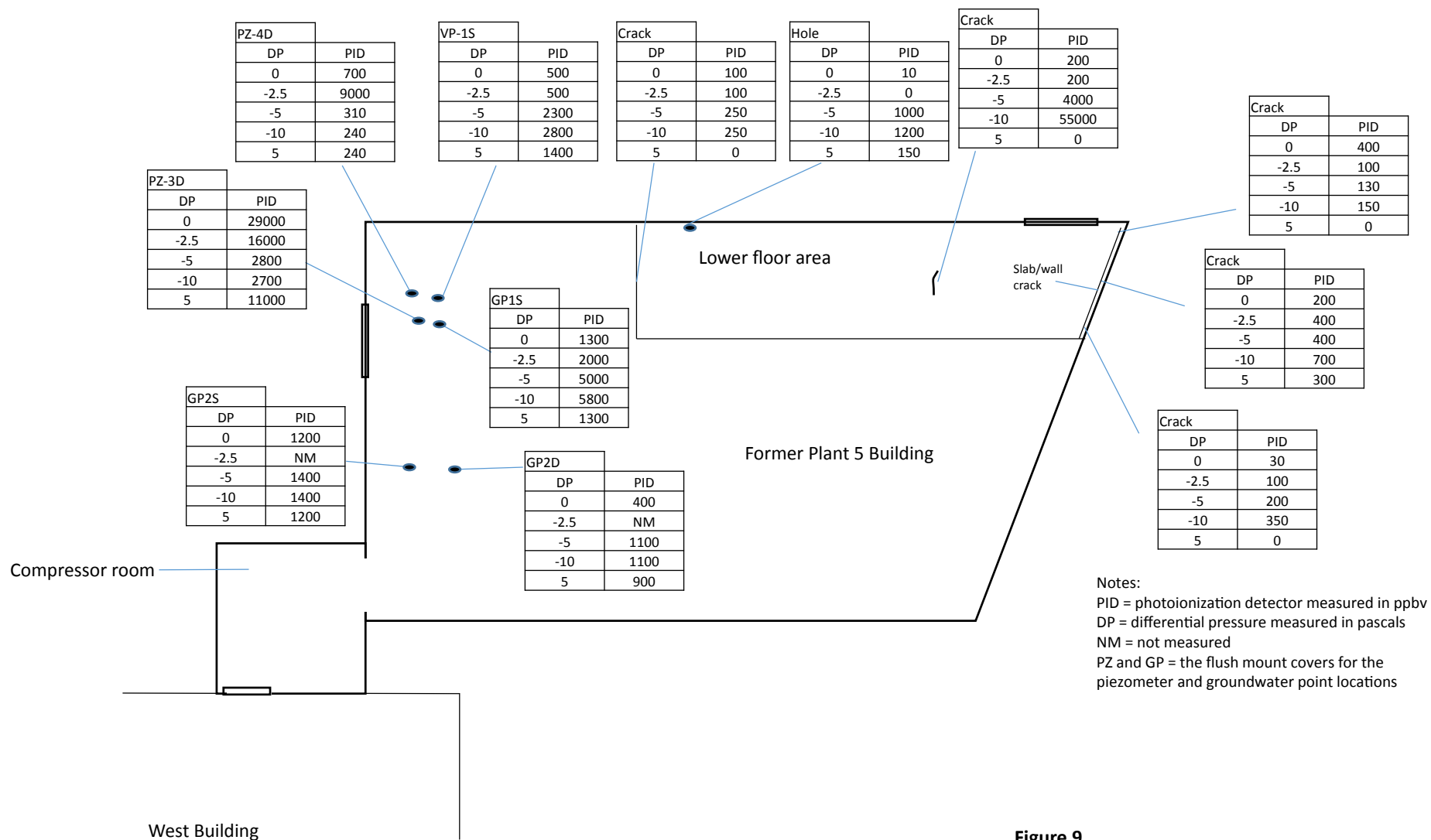


Figure 7b.
Positive Pressure Cycling Configuration
Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York



Figure 8.
Pressure Cycle Test Results
 Vapor Intrusion Results and Evaluation
 Investigation Report, Essex-Hope Site
 Jamestown, New York



Notes:
 PID = photoionization detector measured in ppbv
 DP = differential pressure measured in pascals
 NM = not measured
 PZ and GP = the flush mount covers for the piezometer and groundwater point locations

Figure 9.
PID Readings During Pressure Cycling
 Vapor Intrusion Results and Evaluation
 Investigation Report, Essex-Hope Site
 Jamestown, New York

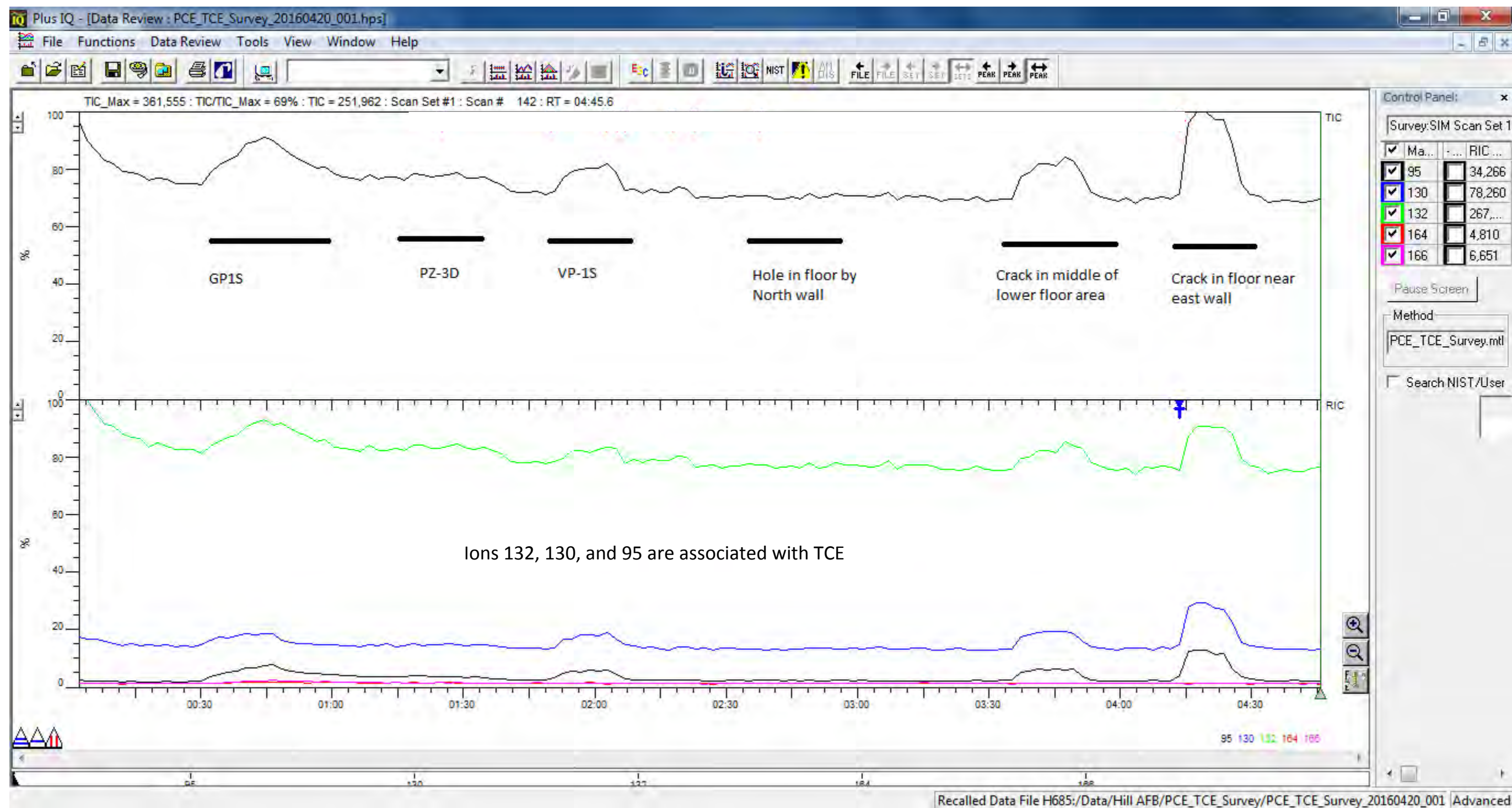
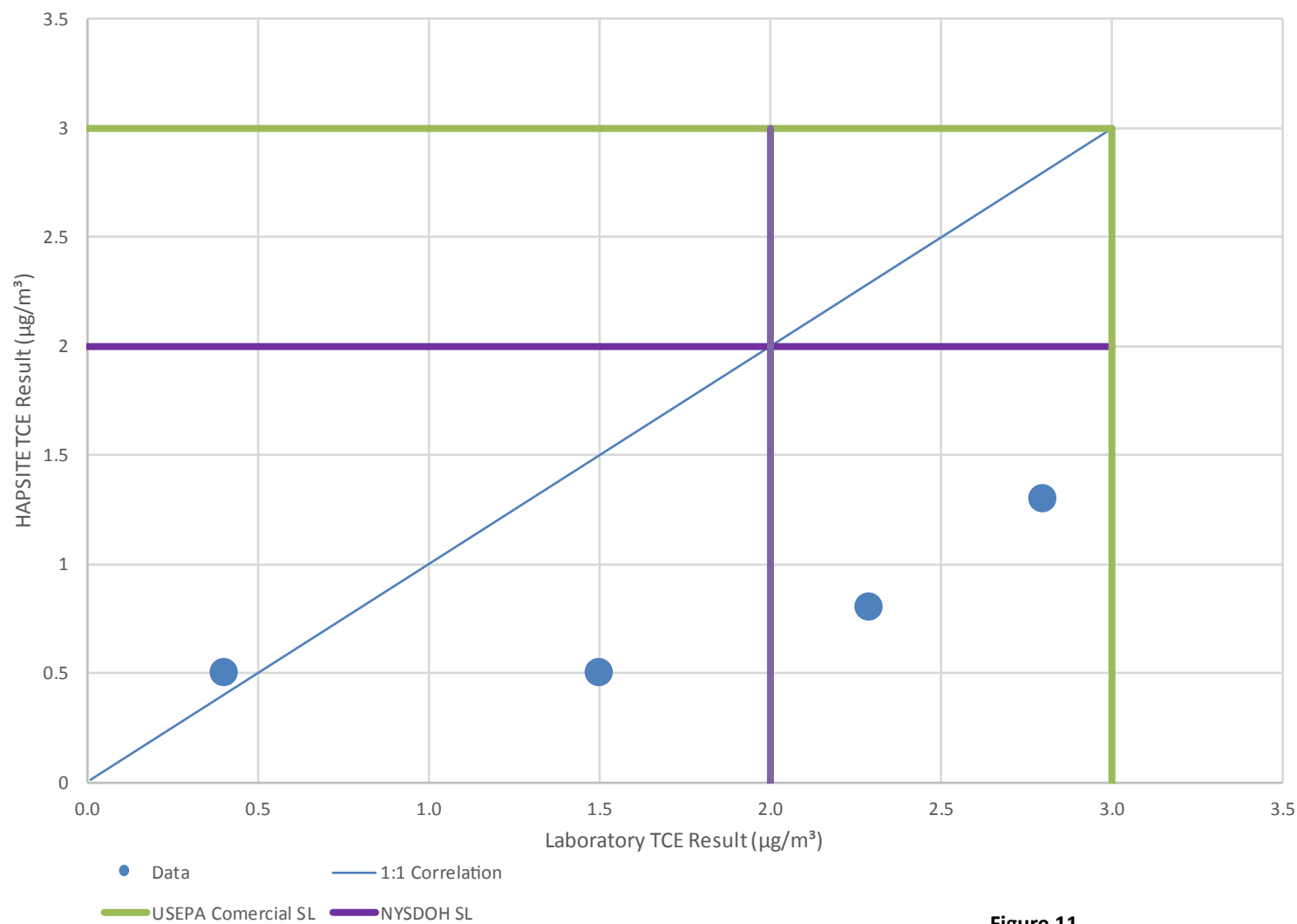


FIGURE 10
HAPSITE SURVEY MODE PLOT
 Vapor Intrusion Results and Evaluation
 Investigation Report, Essex-Hope Site
 Jamestown, New York

Comparison of HAPSITE to Confirmation Laboratory Samples for TCE



Note: Reporting limit used for nondetects

Figure 11.
HAPSITE vs. Fixed Laboratory Data Comparison
Vapor Intrusion Results and Evaluation
Investigation Report, Essex-Hope Site
Jamestown, New York

Appendix A

Utility Locate Summary

NEW YORK LEAK DETECTION, INC.

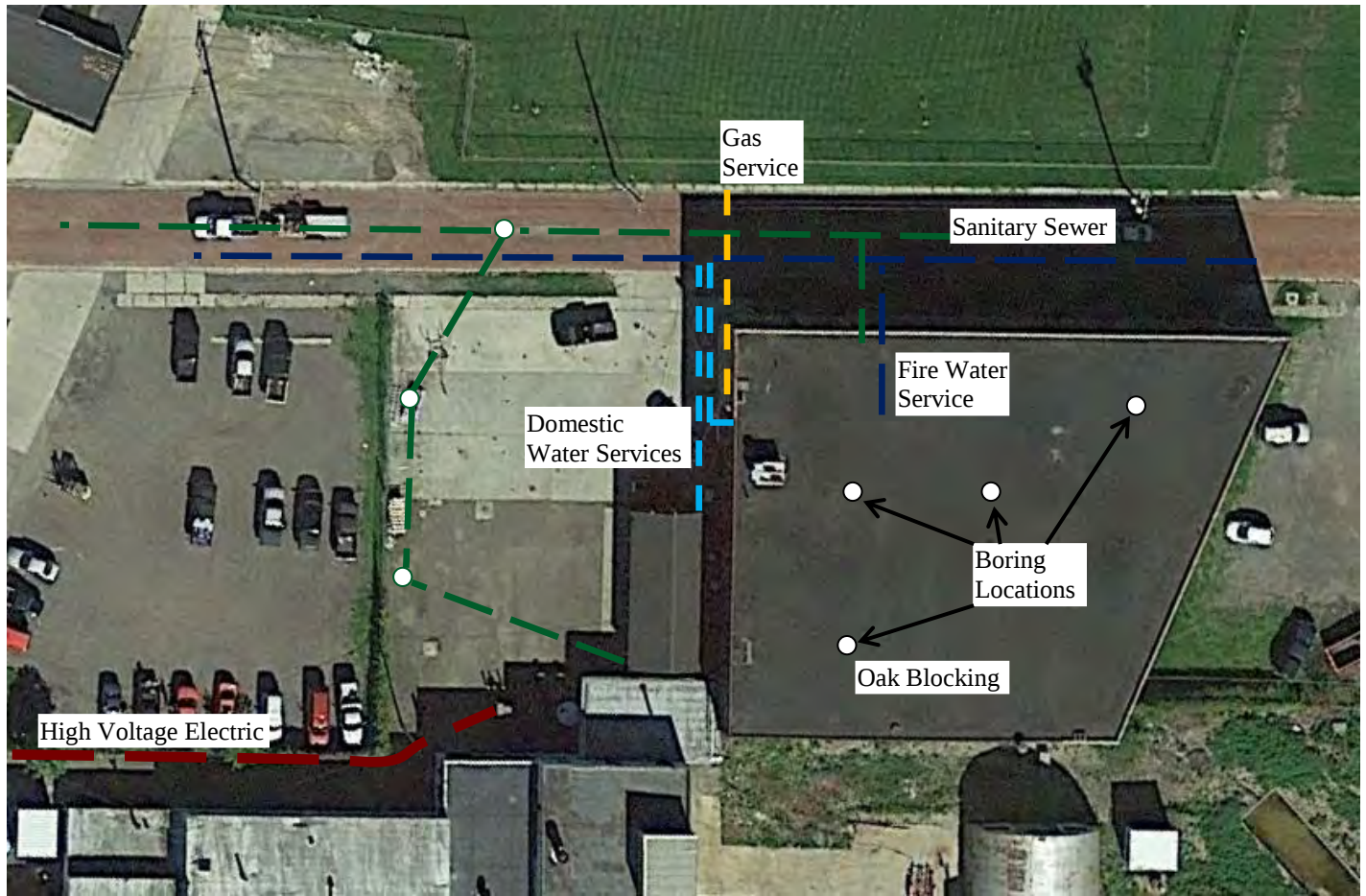
Date: Tues. 3/29/2016Technician: Steve BirminghamCustomer: CH2M Hill Engineers, Inc.Site Address: Dow Jamestown Essex/Hope State Superfund site on Hopkins Ave. West of Bigelow Ave. Jamestown, NYContact Person: Jon GowingPhone: 519-497-2011 cell

Phone: _____

Scope of Work: Utility Location Services -- Clear 4 boring locations within a building for drilling, 10' radius around each boring**Type of Service:**☐ *Leak Detection*☒ *Utility Location/GPR*☐ *Video Inspection*☐ *Infrastructure Assessment*☐ *Utility Mapping/AutoCAD*

Type of Equipment Used☐ *Profiler EMP 400*☒ *RD8000*☐ *MetroTech Vivax vLocPro2*☐ *LC2500 Leak Correlator*☒ *Noggin 250 mHz*☐ *PosiTector UTG G3*☐ *S-30 Surveyor*☐ *Noggin 500 mHz*☐ *Video Inspection Camera*☐ *Sonde*☒ *Conquest 1000 mHz*☐ *Helium # Bottles*☐ *Leica Robotic Total Station*☐ *Leica GPS***Marking Used**☒ *Paint*☐ *Flags*☐ *Chalk*☐ *Updated existing maps onsite*☐ *Other:* _____**Instructions from Onsite Contact:** _____**Size of Pipe:** _____**Ground Cover/Weather Conditions:** Concrete**Site Access/Safety Training:** _____**Expiration Date:** _____**Information Transfer**☒ *Information relayed on site to: Jon Gowing*☐ *Hand drawn map (forward to office for digital remake)*☐ *All markings picked up by surveyors*

Notes/Testing Results:



1. Utilized RD8000 to sweep the boring locations for utilities on the power and radio modes.
2. Utilized Noggin Smart Cart 250 to scan for utilities, conduits and pipes at the boring locations.
3. Scanned the boring locations with the Conquest 1000 for rebar and conduits.
4. Locations marked on site and information relayed to Jon.

Key

Blue	Water
Red	Power
Orange	Communications
Yellow	Gas/Flammable Fuel
White	Unknown
Green	Storm/Sanitary

Appendix B
Pressure Differential Monitoring
Data Tables

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Start JT2 DP	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
Start JT2 DP	3/30/16 9:28	0	0	0	Start JT1 DP	3/30/2016 9:10	-1.5	0	-0.75	-0.38
	3/30/16 9:43	0	0	0		3/30/2016 9:25	-1.5	0	-0.75	-0.38
	3/30/16 9:58	0	0	0		3/30/2016 9:40	-1.5	0	-0.75	-0.38
	3/30/16 10:13	0	0	0		3/30/2016 9:55	-1.5	0	-0.75	-0.38
	3/30/16 10:28	0	0	0		3/30/2016 10:10	-1.5	0	-0.75	-0.38
	3/30/16 10:43	0	0	0		3/30/2016 10:25	-2	0.5	-0.75	-0.38
	3/30/16 10:58	0	0	0		3/30/2016 10:40	-1.5	0	-0.75	-0.38
	3/30/16 11:13	0	0	0		3/30/2016 10:55	-2	0	-1	-0.50
	3/30/16 11:28	0	0	0		3/30/2016 11:10	-1.5	0.5	-0.5	-0.25
	3/30/16 11:43	0	0	0		3/30/2016 11:25	-1.5	0	-0.75	-0.38
	3/30/16 11:58	0	0	0		3/30/2016 11:40	-1.5	0.5	-0.5	-0.25
	3/30/16 12:13	0	0	0		3/30/2016 11:55	-1.5	0.5	-0.5	-0.25
	3/30/16 12:28	0	0	0		3/30/2016 12:10	-1	0.5	-0.25	-0.13
	3/30/16 12:43	0	0	0		3/30/2016 12:25	-2	1	-0.5	-0.25
	3/30/16 12:58	0	0	0		3/30/2016 12:40	-3	1	-1	-0.50
	3/30/16 13:13	0	0	0		3/30/2016 12:55	-2	1.5	-0.25	-0.13
	3/30/16 13:28	0	0	0		3/30/2016 13:10	-1	0.5	-0.25	-0.13
	3/30/16 13:43	0	0	0		3/30/2016 13:25	-1.5	2	0.25	0.13
	3/30/16 13:58	0	0	0		3/30/2016 13:40	-2.5	1	-0.75	-0.38
	3/30/16 14:13	0	0	0		3/30/2016 13:55	-2.5	1.5	-0.5	-0.25
	3/30/16 14:28	0	0	0		3/30/2016 14:10	-2	1	-0.5	-0.25
	3/30/16 14:43	0	0	0		3/30/2016 14:25	-2.5	2.5	0	0.00
	3/30/16 14:58	0	0	0		3/30/2016 14:40	-3.5	1.5	-1	-0.50
	3/30/16 15:13	0	0	0		3/30/2016 14:55	-2	1	-0.5	-0.25
	3/30/16 15:28	0	0	0		3/30/2016 15:10	-3.5	2	-0.75	-0.38
	3/30/16 15:43	0	0	0		3/30/2016 15:25	-2.5	2.5	0	0.00
	3/30/16 15:58	0	0	0		3/30/2016 15:40	-2	2	0	0.00
	3/30/16 16:13	0	0	0		3/30/2016 15:55	-1.5	1	-0.25	-0.13
	3/30/16 16:28	0	0	0		3/30/2016 16:10	-4.5	3	-0.75	-0.38
	3/30/16 16:43	0	0	0		3/30/2016 16:25	-2	2	0	0.00
	3/30/16 16:58	0	0	0		3/30/2016 16:40	-1.5	2	0.25	0.13
	3/30/16 17:13	0	0	0		3/30/2016 16:55	-2	2	0	0.00
	3/30/16 17:28	0	0	0		3/30/2016 17:10	-2.5	1.5	-0.5	-0.25
	3/30/16 17:43	0	0	0		3/30/2016 17:25	-2	1.5	-0.25	-0.13
	3/30/16 17:58	0	0	0		3/30/2016 17:40	-2.5	1	-0.75	-0.38
	3/30/16 18:13	0	0	0		3/30/2016 17:55	-2	2.5	0.25	0.13
	3/30/16 18:28	0	0	0		3/30/2016 18:10	-2	1.5	-0.25	-0.13
	3/30/16 18:43	0	0	0		3/30/2016 18:25	-3.5	3.5	0	0.00
	3/30/16 18:58	0	0	0		3/30/2016 18:40	-2	1	-0.5	-0.25
	3/30/16 19:13	0	0	0		3/30/2016 18:55	-1.5	1.5	0	0.00
	3/30/16 19:28	0	0	0		3/30/2016 19:10	-1.5	1.5	0	0.00
	3/30/16 19:43	0	0	0		3/30/2016 19:25	-2	1.5	-0.25	-0.13
	3/30/16 19:58	0	0	0		3/30/2016 19:40	-1.5	1.5	0	0.00
	3/30/16 20:13	0	0	0		3/30/2016 19:55	-1	0.5	-0.25	-0.13
	3/30/16 20:28	0	0	0		3/30/2016 20:10	-1.5	0.5	-0.5	-0.25
	3/30/16 20:43	0	0	0		3/30/2016 20:25	-1	1	0	0.00
	3/30/16 20:58	0	0	0		3/30/2016 20:40	-1.5	0.5	-0.5	-0.25
	3/30/16 21:13	0	0	0		3/30/2016 20:55	-1	0.5	-0.25	-0.13
	3/30/16 21:28	0	0	0		3/30/2016 21:10	-1.5	0.5	-0.5	-0.25
	3/30/16 21:43	0	0	0		3/30/2016 21:25	-1.5	1	-0.25	-0.13
	3/30/16 21:58	0	0	0		3/30/2016 21:40	-1.5	0.5	-0.5	-0.25
	3/30/16 22:13	0	0	0		3/30/2016 21:55	-1	0.5	-0.25	-0.13
	3/30/16 22:28	0	0	0		3/30/2016 22:10	-1	0.5	-0.25	-0.13
	3/30/16 22:43	0	0	0		3/30/2016 22:25	-1	0.5	-0.25	-0.13
	3/30/16 22:58	0	0	0		3/30/2016 22:40	-1	0.5	-0.25	-0.13
	3/30/16 23:13	0	0	0		3/30/2016 22:55	-1	0.5	-0.25	-0.13
	3/30/16 23:28	0	0	0		3/30/2016 23:10	-1	0	-0.5	-0.25
	3/30/16 23:43	0	0	0		3/30/2016 23:25	-1.5	1	-0.25	-0.13
	3/30/16 23:58	0	0	0		3/30/2016 23:40	-1	0.5	-0.25	-0.13
	3/31/16 0:13	0	0	0		3/30/2016 23:55	-1.5	0.5	-0.5	-0.25
	3/31/16 0:28	0	0	0		3/31/2016 0:10	-1.5	1.5	0	0.00
	3/31/16 0:43	0	0	0		3/31/2016 0:25	-1.5	0.5	-0.5	-0.25
	3/31/16 0:58	0	0	0		3/31/2016 0:40	-1	0.5	-0.25	-0.13
	3/31/16 1:13	0	0	0		3/31/2016 0:55	-1.5	0.5	-0.5	-0.25
	3/31/16 1:28	0	0	0		3/31/2016 1:10	-2.5	0.5	-1	-0.50
	3/31/16 1:43	0	0	0		3/31/2016 1:25	-1	1	0	0.00
	3/31/16 1:58	0	0	0		3/31/2016 1:40	-1.5	0.5	-0.5	-0.25
	3/31/16 2:13	0	0	0		3/31/2016 1:55	-1.5	1	-0.25	-0.13
	3/31/16 2:28	0	0	0		3/31/2016 2:10	-2.5	1	-0.75	-0.38
	3/31/16 2:43	0	0	0		3/31/2016 2:25	-2	1	-0.5	-0.25
	3/31/16 2:58	0	0	0		3/31/2016 2:40	-1.5	1.5	0	0.00
	3/31/16 3:13	0	0	0		3/31/2016 2:55	-2	1	-0.5	-0.25
	3/31/16 3:28	0	0	0		3/31/2016 3:10	-1.5	1	-0.25	-0.13
	3/31/16 3:43	0	0	0		3/31/2016 3:25	-3.5	1.5	-1	-0.50
	3/31/16 3:58	0	0	0		3/31/2016 3:40	-2.5	1	-0.75	-0.38
	3/31/16 4:13	0	0	0		3/31/2016 3:55	-1.5	0.5	-0.5	-0.25
	3/31/16 4:28	0	0	0		3/31/2016 4:10	-1	0.5	-0.25	-0.13
	3/31/16 4:43	0	0	0		3/31/2016 4:25	-2	0.5	-0.75	-0.38
	3/31/16 4:58	0	0	0		3/31/2016 4:40	-1	0.5	-0.25	-0.13
	3/31/16 5:13	0	0	0		3/31/2016 4:55	-1.5	0	-0.75	-0.38
	3/31/16 5:28	0	0	0		3/31/2016 5:10	-2	0.5	-0.75	-0.38
	3/31/16 5:43	0	0	0		3/31/2016 5:25	-1	0.5	-0.25	-0.13
	3/31/16 5:58	0	0	0		3/31/2016 5:40	-1	0	-0.5	-0.25
	3/31/16 6:13	0	0	0		3/31/2016 5:55	-1.5	0.5	-0.5	-0.25
	3/31/16 6:28	0	0	0		3/31/2016 6:10	-1.5	0	-0.75	-0.38
	3/31/16 6:43	0	0	0		3/31/2016 6:25	-1.5	1	-0.25	-0.13
	3/31/16 6:58	0	0	0		3/31/2016 6:40	-2	0.5	-0.75	-0.38
	3/31/16 7:13	0	0	0		3/31/2016 6:55	-1	0.5	-0.25	-0.13
	3/31/16 7:28	0	0	0		3/31/2016 7:10	-1	0.5	-0.25	-0.13
	3/31/16 7:43	0	0	0		3/31/2016 7:25	-2	1	-0.5	-0.25
	3/31/16 7:58	0	0	0		3/31/2016 7:40	-2	1	-0.5	-0.25
	3/31/16 8:13	0	0	0		3/31/2016 7:55	-1	0	-0.5	-0.25
	3/31/16 8:28	0	0	0		3/31/2016 8:10	-1.5	0	-0.75	-0.38
	3/31/16 8:43	0	0	0		3/31/2016 8:25	-1.5	0.5	-0.5	-0.25
	3/31/16 8:58	0	0	0		3/31/2016 8:40	-1.5	0.5	-0.5	-0.25
	3/31/16 9:13	0	0	0		3/31/2016 8:55	-2.5	1.5	-0.5	-0.25
	3/31/16 9:28	0	0	0		3/31/2016 9:10	-4	3	-0.5	-0.25
	3/31/16 9:43	0	0	0		3/31/2016 9:25	-2.5	3	0.25	0.13
	3/31/16 9:58	0	0	0		3/31/2016 9:40	-1.5	1.5	0	0.00
	3/31/16 10:13	0	0.5	0.25		3/31/2016 9:55	-2	3.5	0.75	0.50
	3/31/16 10:28	0	0.5	0.25		3/31/2016 10:10	-3	3.5	0.25	0.25
	3/31/16 10:43	0	0.5	0.25		3/31/2016 10:25	-3.5	4.5	0.5	0.38
	3/31/16 10:58	0	0.5	0.25		3/31/2016 10:40	-3	9	3	1.63
	3/31/16 11:13	0	0	0		3/31/2016 10:55	-2.5	7	2.25	1.13
	3/31/16 11:28	0	0	0		3/31/2016 11:10	-2.5	3	0.25	0.13
	3/31/16 11:43	0	0	0		3/31/2016 11:25	-2.5	2	-0.25	-0.13
	3/31/16 11:58	0	0	0		3/31/2016 11:40	-2	2.5	0.25	0.13
	3/31/16 12:13	0	0	0		3/31/2016 11:55	-1.5	1.5	0	0.00
	3/31/16 12:28	0	0	0		3/31/2016 12:10	-1.5	1	-0.25	-0.13
	3/31/16 12:43	0	0	0		3/31/2016 12:25	-2.5	1.5	-0.5	-0.25
3/31/16 12:58	0	0	0	3/31/2016 12:40	-1	1.5	0.25	0.13		
3/31/16 13:13	0	0	0	3/31/2016 12:55	-1.5	2	0.25	0.13		
3/31/16 13:28	-0.5	0.5	0	3/31/2016 13:10	-1.5	1.5	0	0.00		
3/31/16 13:43	-0.5	0.5	0	3/31/2016 13:25	-5.5	5	-0.25	-0.13		
3/31/16 13:58	-0.5	0.5	0	3/31/2016 13:40	-6.5	7	0.25	0.13		
3/31/16 14:13	-0.5	1	0.25	3/31/2016 13:55	-6.5	7	0.25	0.25		
3/31/16 14:28	-0.5	0.5	0	3/31/2016 14:10	-6.5	8	0.75	0.38		
3/31/16 14:43	0	0.5	0.25	3/31/2016 14:25	-8	-11.5	-9.75	-4.75		
3/31/16 14:58	0	0	0	3/31/2016 14:40	-7	7	0	0.00		
3/31/16 15:13	0	0.5	0.25	3/31/2016 14:55	-5.5	4	-0.75	-0.25		
3/31/16 15:28	0	0.5	0.25	3/31/2016 15:10	-6.5	5.5	-0.5	-0.13		
3/31/16 15:43	-0.5	0.5	0	3/31/2016 15:25	-7	4	-1.5	-0.75		
3/31/16 15:58	0	0	0	3/31/2016 15:40	-6	3	-1.5	-0.75		
3/31/16 16:13	0	0	0	3/31/2016 15:55	-3.5	3.5	0	0.00		

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	3/31/16 16:28	0	0	0		3/31/2016 16:10	-4.5	3.5	-0.5	-0.25
	3/31/16 16:43	0	0	0		3/31/2016 16:25	-2.5	2	-0.25	-0.13
	3/31/16 16:58	-0.5	0	-0.25		3/31/2016 16:40	-5	2.5	-1.25	-0.75
	3/31/16 17:13	0	0	0		3/31/2016 16:55	-4	2	-1	-0.50
	3/31/16 17:28	0	0	0		3/31/2016 17:10	-4.5	2.5	-1	-0.50
	3/31/16 17:43	0	0	0		3/31/2016 17:25	-3.5	2.5	-0.5	-0.25
	3/31/16 17:58	0	0	0		3/31/2016 17:40	-2.5	2	-0.25	-0.13
	3/31/16 18:13	0	0	0		3/31/2016 17:55	-1.5	0.5	-0.5	-0.25
	3/31/16 18:28	0	0	0		3/31/2016 18:10	-1	0.5	-0.25	-0.13
	3/31/16 18:43	0	0	0		3/31/2016 18:25	-1.5	0.5	-0.5	-0.25
	3/31/16 18:58	0	0	0		3/31/2016 18:40	-2.5	2	-0.25	-0.13
	3/31/16 19:13	0	0	0		3/31/2016 18:55	-2	1.5	-0.25	-0.13
	3/31/16 19:28	0	0	0		3/31/2016 19:10	-1.5	1	-0.25	-0.13
	3/31/16 19:43	0	0	0		3/31/2016 19:25	-2	1.5	-0.25	-0.13
	3/31/16 19:58	0	0	0		3/31/2016 19:40	-2	1.5	-0.25	-0.13
	3/31/16 20:13	0	0	0		3/31/2016 19:55	-1.5	1.5	0	0.00
	3/31/16 20:28	0	0	0		3/31/2016 20:10	-1.5	1	-0.25	-0.13
	3/31/16 20:43	0	0	0		3/31/2016 20:25	-4.5	1.5	-1.5	-0.75
	3/31/16 20:58	0	0	0		3/31/2016 20:40	-1.5	1	-0.25	-0.13
	3/31/16 21:13	0	0	0		3/31/2016 20:55	-1.5	2	0.25	0.13
	3/31/16 21:28	0	0	0		3/31/2016 21:10	-2	1.5	-0.25	-0.13
	3/31/16 21:43	0	0	0		3/31/2016 21:25	-2	1	-0.5	-0.25
	3/31/16 21:58	0	0	0		3/31/2016 21:40	-1	1	0	0.00
	3/31/16 22:13	0	0	0		3/31/2016 21:55	-2.5	1	-0.75	-0.38
	3/31/16 22:28	0	0.5	0.25		3/31/2016 22:10	-1.5	1	-0.25	0.00
	3/31/16 22:43	-0.5	0	-0.25		3/31/2016 22:25	-2	2	0	-0.13
	3/31/16 22:58	-0.5	0.5	0		3/31/2016 22:40	-5	4	-0.5	-0.25
	3/31/16 23:13	0	0.5	0.25		3/31/2016 22:55	-7	5	-1	-0.38
	3/31/16 23:28	0	0	0		3/31/2016 23:10	-6.5	5.5	-0.5	-0.25
	3/31/16 23:43	0	0	0		3/31/2016 23:25	-4	2.5	-0.75	-0.38
	3/31/16 23:58	0	0	0		3/31/2016 23:40	-2.5	1.5	-0.5	-0.25
	4/1/16 0:13	0	0	0		3/31/2016 23:55	-2.5	2	-0.25	-0.13
	4/1/16 0:28	0	0	0		4/1/2016 0:10	-2	1.5	-0.25	-0.13
	4/1/16 0:43	0	0	0		4/1/2016 0:25	-1.5	1	-0.25	-0.13
	4/1/16 0:58	0	0	0		4/1/2016 0:40	-1.5	1	-0.25	-0.13
	4/1/16 1:13	0	0	0		4/1/2016 0:55	-3.5	2.5	-0.5	-0.25
	4/1/16 1:28	-0.5	0	-0.25		4/1/2016 1:10	-2.5	2	-0.25	-0.25
	4/1/16 1:43	0	0	0		4/1/2016 1:25	-5.5	2.5	-1.5	-0.75
	4/1/16 1:58	0	0	0		4/1/2016 1:40	-2.5	1	-0.75	-0.38
	4/1/16 2:13	0	0	0		4/1/2016 1:55	-3	1.5	-0.75	-0.38
	4/1/16 2:28	0	0	0		4/1/2016 2:10	-2	0.5	-0.75	-0.38
	4/1/16 2:43	0	0	0		4/1/2016 2:25	-2	0	-1	-0.50
	4/1/16 2:58	0	0	0		4/1/2016 2:40	-2.5	1	-0.75	-0.38
	4/1/16 3:13	0	0	0		4/1/2016 2:55	-2	0.5	-0.75	-0.38
	4/1/16 3:28	0	0	0		4/1/2016 3:10	-1.5	0.5	-0.5	-0.25
	4/1/16 3:43	0	0	0		4/1/2016 3:25	-1.5	0.5	-0.5	-0.25
	4/1/16 3:58	0	0	0		4/1/2016 3:40	-1.5	0.5	-0.5	-0.25
	4/1/16 4:13	0	0	0		4/1/2016 3:55	-2	0.5	-0.75	-0.38
	4/1/16 4:28	0	0	0		4/1/2016 4:10	-1.5	0	-0.75	-0.38
	4/1/16 4:43	0	0	0		4/1/2016 4:25	-1	0	-0.5	-0.25
	4/1/16 4:58	0	0	0		4/1/2016 4:40	-1	0	-0.5	-0.25
	4/1/16 5:13	0	0	0		4/1/2016 4:55	-1	0.5	-0.25	-0.13
	4/1/16 5:28	0	0	0		4/1/2016 5:10	-1	0	-0.5	-0.25
	4/1/16 5:43	0	0	0		4/1/2016 5:25	-1.5	0.5	-0.5	-0.25
	4/1/16 5:58	0	0	0		4/1/2016 5:40	-1	0	-0.5	-0.25
	4/1/16 6:13	0	0	0		4/1/2016 5:55	-1.5	0	-0.75	-0.38
	4/1/16 6:28	0	0	0		4/1/2016 6:10	-1	0	-0.5	-0.25
	4/1/16 6:43	0	0	0		4/1/2016 6:25	-2	0	-1	-0.50
	4/1/16 6:58	0	0	0		4/1/2016 6:40	-1	0	-0.5	-0.25
	4/1/16 7:13	0	0	0		4/1/2016 6:55	-1	0.5	-0.25	-0.13
	4/1/16 7:28	0	0	0		4/1/2016 7:10	-1	0.5	-0.25	-0.13
	4/1/16 7:43	0	0	0		4/1/2016 7:25	-0.5	1.5	0.5	0.25
	4/1/16 7:58	0	0	0		4/1/2016 7:40	-1.5	2.5	0.5	0.25
	4/1/16 8:13	0	0	0		4/1/2016 7:55	-1	1.5	0.25	0.13
	4/1/16 8:28	0	0	0		4/1/2016 8:10	-1	2.5	0.75	0.38
	4/1/16 8:43	0	0	0		4/1/2016 8:25	-0.5	2.5	1	0.50
	4/1/16 8:58	0	0	0		4/1/2016 8:40	-1	2.5	0.75	0.38
	4/1/16 9:13	0	0	0		4/1/2016 8:55	-1.5	1.5	0	0.00
	4/1/16 9:28	0	0.5	0.25		4/1/2016 9:10	-1	1.5	0.25	0.25
	4/1/16 9:43	0	0.5	0.25		4/1/2016 9:25	-1	1	0	0.13
	4/1/16 9:58	0	0.5	0.25		4/1/2016 9:40	-2	4	1	0.63
	4/1/16 10:13	0	0.5	0.25		4/1/2016 9:55	-1	3.5	1.25	0.75
	4/1/16 10:28	0	0.5	0.25		4/1/2016 10:10	-2.5	7.5	2.5	1.38
	4/1/16 10:43	0	0.5	0.25		4/1/2016 10:25	-2	8	3	1.63
	4/1/16 10:58	0	0.5	0.25		4/1/2016 10:40	-2	7	2.5	1.38
	4/1/16 11:13	0	0.5	0.25		4/1/2016 10:55	-2	4.5	1.25	0.75
	4/1/16 11:28	0	0.5	0.25		4/1/2016 11:10	-1.5	6.5	2.5	1.38
	4/1/16 11:43	0	0.5	0.25		4/1/2016 11:25	-3	9	3	1.63
	4/1/16 11:58	0	0.5	0.25		4/1/2016 11:40	-1.5	5	1.75	1.00
	4/1/16 12:13	0	0.5	0.25		4/1/2016 11:55	-2.5	8.5	3	1.63
	4/1/16 12:28	0	0.5	0.25		4/1/2016 12:10	-2	6	2	1.13
	4/1/16 12:43	0	0.5	0.25		4/1/2016 12:25	-2.5	7.5	2.5	1.38
	4/1/16 12:58	0	0.5	0.25		4/1/2016 12:40	-2	6.5	2.25	1.25
	4/1/16 13:13	0	0.5	0.25		4/1/2016 12:55	-2.5	7.5	2.5	1.38
	4/1/16 13:28	0	0.5	0.25		4/1/2016 13:10	-2	-12.5	-7.25	-3.50
	4/1/16 13:43	0	1	0.5		4/1/2016 13:25	-3	6.5	1.75	1.13
	4/1/16 13:58	0	1	0.5		4/1/2016 13:40	-2.5	9.5	3.5	2.00
	4/1/16 14:13	0	0.5	0.25		4/1/2016 13:55	-1.5	-13	-7.25	-3.50
	4/1/16 14:28	0	0.5	0.25		4/1/2016 14:10	-3	9.5	3.25	1.75
	4/1/16 14:43	0	0.5	0.25		4/1/2016 14:25	-3.5	-10	-6.75	-3.25
	4/1/16 14:58	0	0	0		4/1/2016 14:40	-5	8.5	1.75	0.88
	4/1/16 15:13	0	0	0		4/1/2016 14:55	-4.5	0.5	-2	-1.00
	4/1/16 15:28	0	0	0		4/1/2016 15:10	-3.5	1.5	-1	-0.50
	4/1/16 15:43	0	0	0		4/1/2016 15:25	-5	1	-2	-1.00
	4/1/16 15:58	0	0	0		4/1/2016 15:40	-3	1	-1	-0.50
	4/1/16 16:13	0	0	0		4/1/2016 15:55	-3	0.5	-1.25	-0.63
	4/1/16 16:28	0	0	0		4/1/2016 16:10	-2.5	0.5	-1	-0.50
	4/1/16 16:43	0	0	0		4/1/2016 16:25	-3.5	0.5	-1.5	-0.75
	4/1/16 16:58	0	0	0		4/1/2016 16:40	-2.5	0.5	-1	-0.50
	4/1/16 17:13	0	0	0		4/1/2016 16:55	-3	1.5	-0.75	-0.38
	4/1/16 17:28	0	0	0		4/1/2016 17:10	-4	0.5	-1.75	-0.88
	4/1/16 17:43	0	0	0		4/1/2016 17:25	-3	0.5	-1.25	-0.63
	4/1/16 17:58	0	0	0		4/1/2016 17:40	-2	0.5	-0.75	-0.38
	4/1/16 18:13	0	0	0		4/1/2016 17:55	-3.5	0.5	-1.5	-0.75
	4/1/16 18:28	0	0	0		4/1/2016 18:10	-3.5	0.5	-1.5	-0.75
	4/1/16 18:43	0	0	0		4/1/2016 18:25	-3.5	0	-1.75	-0.88
	4/1/16 18:58	0	0	0		4/1/2016 18:40	-2.5	0	-1.25	-0.63
	4/1/16 19:13	0	0	0		4/1/2016 18:55	-1.5	0	-0.75	-0.38
	4/1/16 19:28	0	0	0		4/1/2016 19:10	-1.5	0	-0.75	-0.38
	4/1/16 19:43	0	0	0		4/1/2016 19:25	-1.5	0	-0.75	-0.38
	4/1/16 19:58	0	0	0		4/1/2016 19:40	-1.5	0	-0.75	-0.38
	4/1/16 20:13	0	0	0		4/1/2016 19:55	-1.5	-0.5	-1	-0.50
	4/1/16 20:28	0	0	0		4/1/2016 20:10	-1.5	0	-0.75	-0.38
	4/1/16 20:43	0	0	0		4/1/2016 20:25	-1.5	0	-0.75	-0.38
	4/1/16 20:58	0	0	0		4/1/2016 20:40	-1.5	0	-0.75	-0.38
	4/1/16 21:13	0	0	0		4/1/2016 20:55	-1	0	-0.5	-0.25
	4/1/16 21:28	0	0	0		4/1/2016 21:10	-1.5	-0.5	-1	-0.50
	4/1/16 21:43	0	0	0		4/1/2016 21:25	-1	-0.5	-0.75	-0.38
	4/1/16 21:58	0	0	0		4/1/2016 21:40	-1	-0.5	-0.75	-0.38
	4/1/16 22:13	0	0	0		4/1/2016 21:55	-1	-0.5	-0.75	-0.38
	4/1/16 22:28	0	0	0		4/1/2016 22:10				

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
 Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/1/16 23:28	0	0	0		4/1/2016 23:10	-1	-0.5	-0.75	-0.38
	4/1/16 23:43	0	0	0		4/1/2016 23:25	-1	-0.5	-0.75	-0.38
	4/1/16 23:58	0	0	0		4/1/2016 23:40	-1	0	-0.5	-0.25
	4/2/16 0:13	0	0	0		4/1/2016 23:55	-1	-0.5	-0.75	-0.38
	4/2/16 0:28	0	0	0		4/2/2016 0:10	-1	-0.5	-0.75	-0.38
	4/2/16 0:43	0	0	0		4/2/2016 0:25	-1.5	-0.5	-1	-0.50
	4/2/16 0:58	0	0	0		4/2/2016 0:40	-1.5	-0.5	-1	-0.50
	4/2/16 1:13	0	0	0		4/2/2016 0:55	-1	0	-0.5	-0.25
	4/2/16 1:28	0	0	0		4/2/2016 1:10	-1	-0.5	-0.75	-0.38
	4/2/16 1:43	0	0	0		4/2/2016 1:25	-1.5	0	-0.75	-0.38
	4/2/16 1:58	0	0	0		4/2/2016 1:40	-1.5	-0.5	-1	-0.50
	4/2/16 2:13	0	0	0		4/2/2016 1:55	-1.5	-0.5	-1	-0.50
	4/2/16 2:28	0	0	0		4/2/2016 2:10	-1.5	-0.5	-1	-0.50
	4/2/16 2:43	0	0	0		4/2/2016 2:25	-1	-0.5	-0.75	-0.38
	4/2/16 2:58	0	0	0		4/2/2016 2:40	-1.5	-0.5	-1	-0.50
	4/2/16 3:13	0	0	0		4/2/2016 2:55	-1.5	-0.5	-1	-0.50
	4/2/16 3:28	0	0	0		4/2/2016 3:10	-1	-0.5	-0.75	-0.38
	4/2/16 3:43	0	0	0		4/2/2016 3:25	-1.5	-0.5	-1	-0.50
	4/2/16 3:58	0	0	0		4/2/2016 3:40	-1.5	-0.5	-1	-0.50
	4/2/16 4:13	0	0	0		4/2/2016 3:55	-1	-0.5	-0.75	-0.38
	4/2/16 4:28	0	0	0		4/2/2016 4:10	-1	-0.5	-0.75	-0.38
	4/2/16 4:43	0	0	0		4/2/2016 4:25	-1	-0.5	-0.75	-0.38
	4/2/16 4:58	0	0	0		4/2/2016 4:40	-1	0	-0.5	-0.25
	4/2/16 5:13	0	0	0		4/2/2016 4:55	-1.5	0	-0.75	-0.38
	4/2/16 5:28	0	0	0		4/2/2016 5:10	-1	0	-0.5	-0.25
	4/2/16 5:43	0	0	0		4/2/2016 5:25	-1	-0.5	-0.75	-0.38
	4/2/16 5:58	0	0	0		4/2/2016 5:40	-1	0	-0.5	-0.25
	4/2/16 6:13	0	0	0		4/2/2016 5:55	-1	-0.5	-0.75	-0.38
	4/2/16 6:28	0	0	0		4/2/2016 6:10	-2	0	-1	-0.50
	4/2/16 6:43	0	0	0		4/2/2016 6:25	-1.5	0	-0.75	-0.38
	4/2/16 6:58	0	0	0		4/2/2016 6:40	-1	0	-0.5	-0.25
	4/2/16 7:13	0	0	0		4/2/2016 6:55	-1	0	-0.5	-0.25
	4/2/16 7:28	0	0	0		4/2/2016 7:10	-1.5	0	-0.75	-0.38
	4/2/16 7:43	0	0	0		4/2/2016 7:25	-1	0	-0.5	-0.25
	4/2/16 7:58	0	0	0		4/2/2016 7:40	-1.5	0.5	-0.5	-0.25
	4/2/16 8:13	0	0	0		4/2/2016 7:55	-2.5	0.5	-1	-0.50
	4/2/16 8:28	0	0	0		4/2/2016 8:10	-2.5	0.5	-1	-0.50
	4/2/16 8:43	0	0	0		4/2/2016 8:25	-3	0	-1.5	-0.75
	4/2/16 8:58	0	0	0		4/2/2016 8:40	-2	0	-1	-0.50
	4/2/16 9:13	0	0	0		4/2/2016 8:55	-2.5	0.5	-1	-0.50
	4/2/16 9:28	0	0	0		4/2/2016 9:10	-2.5	0	-1.25	-0.63
	4/2/16 9:43	0	0	0		4/2/2016 9:25	-2	-0.5	-1.25	-0.63
	4/2/16 9:58	0	0	0		4/2/2016 9:40	-3	0	-1.5	-0.75
	4/2/16 10:13	0	0	0		4/2/2016 9:55	-2	0	-1	-0.50
	4/2/16 10:28	0	0	0		4/2/2016 10:10	-2	0	-1	-0.50
	4/2/16 10:43	0	0.5	0.25		4/2/2016 10:25	-2	0	-1	-0.38
	4/2/16 10:58	0	0	0		4/2/2016 10:40	-2.5	5.5	1.5	0.75
	4/2/16 11:13	0	0	0		4/2/2016 10:55	-2	0	-1	-0.50
	4/2/16 11:28	0	0	0		4/2/2016 11:10	-1.5	2.5	0.5	0.25
	4/2/16 11:43	0	0.5	0.25		4/2/2016 11:25	-1.5	0	-0.75	-0.25
	4/2/16 11:58	0	0	0		4/2/2016 11:40	-1.5	5	1.75	0.88
	4/2/16 12:13	0	0	0		4/2/2016 11:55	-3.5	0.5	-1.5	-0.75
	4/2/16 12:28	0	0	0		4/2/2016 12:10	-3	1	-1	-0.50
	4/2/16 12:43	0	0	0		4/2/2016 12:25	-2	1	-0.5	-0.25
	4/2/16 12:58	0	0	0		4/2/2016 12:40	-2	0.5	-0.75	-0.38
	4/2/16 13:13	0	0	0		4/2/2016 12:55	-1.5	-0.5	-1	-0.50
	4/2/16 13:28	0	0	0		4/2/2016 13:10	-2	2.5	0.25	0.11
	4/2/16 13:43	0	0	0		4/2/2016 13:25	-2.5	0.5	-1	-0.50
	4/2/16 13:58	0	0	0		4/2/2016 13:40	-2	0.5	-0.75	-0.38
	4/2/16 14:13	0	0	0		4/2/2016 13:55	-5.5	1.5	-2	-1.00
	4/2/16 14:28	0	0	0		4/2/2016 14:10	-3	0	-1.5	-0.75
	4/2/16 14:43	0	0	0		4/2/2016 14:25	-3	0	-1.5	-0.75
	4/2/16 14:58	0	0	0		4/2/2016 14:40	-2	0	-1	-0.50
	4/2/16 15:13	0	0	0		4/2/2016 14:55	-2.5	-0.5	-1.5	-0.75
	4/2/16 15:28	0	0	0		4/2/2016 15:10	-1.5	0	-0.75	-0.38
	4/2/16 15:43	0	0	0		4/2/2016 15:25	-1	0	-0.5	-0.25
	4/2/16 15:58	0	0	0		4/2/2016 15:40	-2	0	-1	-0.50
	4/2/16 16:13	0	0	0		4/2/2016 15:55	-3	-0.5	-1.75	-0.88
	4/2/16 16:28	0	0	0		4/2/2016 16:10	-1.5	0	-0.75	-0.38
	4/2/16 16:43	0	0	0		4/2/2016 16:25	-3.5	0	-1.75	-0.88
	4/2/16 16:58	0	0	0		4/2/2016 16:40	-4	0.5	-1.75	-0.88
	4/2/16 17:13	0	0	0		4/2/2016 16:55	-3.5	0	-1.75	-0.88
	4/2/16 17:28	0	0	0		4/2/2016 17:10	-2	0	-1	-0.50
	4/2/16 17:43	0	0	0		4/2/2016 17:25	-2.5	-0.5	-1.5	-0.75
	4/2/16 17:58	0	0	0		4/2/2016 17:40	-1.5	-0.5	-1	-0.50
	4/2/16 18:13	0	0	0		4/2/2016 17:55	-1.5	-0.5	-1	-0.50
	4/2/16 18:28	0	0	0		4/2/2016 18:10	-1.5	-0.5	-1	-0.50
	4/2/16 18:43	0	0	0		4/2/2016 18:25	-1	-0.5	-0.75	-0.38
	4/2/16 18:58	0	0	0		4/2/2016 18:40	-1	-0.5	-0.75	-0.38
	4/2/16 19:13	0	0	0		4/2/2016 18:55	-1	-0.5	-0.75	-0.38
	4/2/16 19:28	0	0	0		4/2/2016 19:10	-1	-0.5	-0.75	-0.38
	4/2/16 19:43	0	0	0		4/2/2016 19:25	-1.5	-0.5	-1	-0.50
	4/2/16 19:58	0	0	0		4/2/2016 19:40	-1.5	-0.5	-1	-0.50
	4/2/16 20:13	0	0	0		4/2/2016 19:55	-1	-0.5	-0.75	-0.38
	4/2/16 20:28	0	0	0		4/2/2016 20:10	-1	-0.5	-0.75	-0.38
	4/2/16 20:43	0	0	0		4/2/2016 20:25	-1	-0.5	-0.75	-0.38
	4/2/16 20:58	0	0	0		4/2/2016 20:40	-1	-0.5	-0.75	-0.38
	4/2/16 21:13	0	0	0		4/2/2016 20:55	-1.5	-0.5	-1	-0.50
	4/2/16 21:28	0	0	0		4/2/2016 21:10	-1	-0.5	-0.75	-0.38
	4/2/16 21:43	0	0	0		4/2/2016 21:25	-1	-0.5	-0.75	-0.38
	4/2/16 21:58	0	0	0		4/2/2016 21:40	-1.5	-0.5	-1	-0.50
	4/2/16 22:13	0	0	0		4/2/2016 21:55	-2	0	-1	-0.50
	4/2/16 22:28	0	0	0		4/2/2016 22:10	-2	0	-1	-0.50
	4/2/16 22:43	0	0	0		4/2/2016 22:25	-2	-0.5	-1.25	-0.63
	4/2/16 22:58	0	0.5	0.25		4/2/2016 22:40	-2	0.5	-0.75	-0.25
	4/2/16 23:13	0	0	0		4/2/2016 22:55	-3	0.5	-1.25	-0.63
	4/2/16 23:28	0	0	0		4/2/2016 23:10	-2.5	0	-1.25	-0.63
	4/2/16 23:43	0	0	0		4/2/2016 23:25	-2.5	0	-1.25	-0.63
	4/2/16 23:58	0	0	0		4/2/2016 23:40	-4.5	1.5	-1.5	-0.75
	4/3/16 0:13	0	0	0		4/2/2016 23:55	-4	0	-2	-1.00
	4/3/16 0:28	0	0	0		4/3/2016 0:10	-3	0.5	-1.25	-0.63
	4/3/16 0:43	0	0	0		4/3/2016 0:25	-4.5	0.5	-2	-1.00
	4/3/16 0:58	0	0	0		4/3/2016 0:40	-5	1.5	-1.75	-0.88
	4/3/16 1:13	-0.5	0.5	0		4/3/2016 0:55	-2.5	0	-1.25	-0.63
	4/3/16 1:28	0	0	0		4/3/2016 1:10	-7.5	1.5	-3	-1.50
	4/3/16 1:43	0	0	0		4/3/2016 1:25	-4	1	-1.5	-0.75
	4/3/16 1:58	0	0	0		4/3/2016 1:40	-4	0.5	-1.75	-0.88
	4/3/16 2:13	-0.5	0	-0.25		4/3/2016 1:55	-6.5	1.5	-2.5	-1.38
	4/3/16 2:28	0	0	0		4/3/2016 2:10	-5	0.5	-2.25	-1.13
	4/3/16 2:43	0	0	0		4/3/2016 2:25	-5.5	1	-2.25	-1.13
	4/3/16 2:58	0	0	0		4/3/2016 2:40	-3	0	-1.5	-0.75
	4/3/16 3:13	0	0	0		4/3/2016 2:55	-6	0	-3	-1.50
	4/3/16 3:28	0	0.5	0.25		4/3/2016 3:10	-6	0	-3	-1.38
	4/3/16 3:43	-0.5	0.5	0		4/3/2016 3:25	-5.5	0.5	-2.5	-1.25
	4/3/16 3:58	-0.5	0.5	0		4/3/2016 3:40	-8	2	-3	-1.50
	4/3/16 4:13	-0.5	0	-0.25		4/3/2016 3:55	-6	2.5	-1.75	-1.00
	4/3/16 4:28	0	0	0		4/3/2016 4:10	-8	0.5	-3.75	-1.88
	4/3/16 4:43	0	0	0		4/3/2016 4:25	-4	2	-1	-0.50
	4/3/16 4:58	-0.5	0.5	0		4/3/2016 4:40	-4	0.5	-1.75	-0.88
	4/3/16 5:13	-0.5	0	-0.25		4/3/2016 4:55	-4.5	1	-1.75	-1.00
	4/3/16 5:28	0	0.5	0.25		4/3/2016 5:10	-8.5	1	-3.75	-1.75
	4/3/16 5:43	-0.5	0	-0.25		4/3/2016 5:25	-6	5	-0.5	-0.38
	4/3/16 5:58	0	0	0		4/3/2016 5:40	-3.5	0	-1.75	-0.88
	4/3/16 6:13	-0.5	0	-0.25						

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building

Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/3/16 6:28	0	0	0		4/3/2016 6:10	-5.5	0.5	-2.5	-1.25
	4/3/16 6:43	0	0	0		4/3/2016 6:25	-3.5	1	-1.25	-0.63
	4/3/16 6:58	0	0	0		4/3/2016 6:40	-4	0	-2	-1.00
	4/3/16 7:13	0	0	0		4/3/2016 6:55	-3.5	-0.5	-2	-1.00
	4/3/16 7:28	0	0	0		4/3/2016 7:10	-3	0	-1.5	-0.75
	4/3/16 7:43	0	0	0		4/3/2016 7:25	-2.5	0	-1.25	-0.63
	4/3/16 7:58	0	0	0		4/3/2016 7:40	-2.5	0	-1.25	-0.63
	4/3/16 8:13	0	0	0		4/3/2016 7:55	-2	-0.5	-1.25	-0.63
	4/3/16 8:28	0	0	0		4/3/2016 8:10	-2	0	-1	-0.50
	4/3/16 8:43	0	0	0		4/3/2016 8:25	-2.5	0	-1.25	-0.63
	4/3/16 8:58	0	0	0		4/3/2016 8:40	-2.5	0	-1.25	-0.63
	4/3/16 9:13	0	0	0		4/3/2016 8:55	-2	-0.5	-1.25	-0.63
	4/3/16 9:28	0	0	0		4/3/2016 9:10	-3.5	-0.5	-2	-1.00
	4/3/16 9:43	0	0	0		4/3/2016 9:25	-3.5	0	-1.75	-0.88
	4/3/16 9:58	0	0	0		4/3/2016 9:40	-4.5	0.5	-2	-1.00
	4/3/16 10:13	0	0	0		4/3/2016 9:55	-5	0.5	-2.25	-1.13
	4/3/16 10:28	0	0	0		4/3/2016 10:10	-4.5	0.5	-2	-1.00
	4/3/16 10:43	0	0	0		4/3/2016 10:25	-3.5	0	-1.75	-0.88
	4/3/16 10:58	0	0	0		4/3/2016 10:40	-4	0	-2	-1.00
	4/3/16 11:13	0	0	0		4/3/2016 10:55	-5	0	-2.5	-1.25
	4/3/16 11:28	0	0	0		4/3/2016 11:10	-3.5	0.5	-1.5	-0.75
	4/3/16 11:43	0	0	0		4/3/2016 11:25	-3.5	0.5	-1.5	-0.75
	4/3/16 11:58	0	0	0		4/3/2016 11:40	-3.5	0.5	-1.5	-0.75
	4/3/16 12:13	0	0	0		4/3/2016 11:55	-4.5	1	-1.75	-0.88
	4/3/16 12:28	0	0	0		4/3/2016 12:10	-4	0	-2	-1.00
	4/3/16 12:43	0	0	0		4/3/2016 12:25	-4	0	-2	-1.00
	4/3/16 12:58	0	0	0		4/3/2016 12:40	-3.5	0	-1.75	-0.88
	4/3/16 13:13	0	0	0		4/3/2016 12:55	-3.5	0	-1.75	-0.88
	4/3/16 13:28	0	0	0		4/3/2016 13:10	-4.5	1	-1.75	-0.88
	4/3/16 13:43	0	0	0		4/3/2016 13:25	-3	0	-1.5	-0.75
	4/3/16 13:58	0	0	0		4/3/2016 13:40	-3.5	0	-1.75	-0.88
	4/3/16 14:13	0	0	0		4/3/2016 13:55	-4	0	-2	-1.00
	4/3/16 14:28	0	0	0		4/3/2016 14:10	-3.5	0	-1.75	-0.88
	4/3/16 14:43	0	0	0		4/3/2016 14:25	-5	0.5	-2.25	-1.13
	4/3/16 14:58	0	0	0		4/3/2016 14:40	-3	0	-1.5	-0.75
	4/3/16 15:13	0	0	0		4/3/2016 14:55	-3.5	1.5	-1	-0.50
	4/3/16 15:28	0	0	0		4/3/2016 15:10	-3	0	-1.5	-0.75
	4/3/16 15:43	0	0	0		4/3/2016 15:25	-2	0	-1	-0.50
	4/3/16 15:58	0	0	0		4/3/2016 15:40	-2.5	0	-1.25	-0.63
	4/3/16 16:13	0	0	0		4/3/2016 15:55	-2.5	-0.5	-1.5	-0.75
	4/3/16 16:28	0	0	0		4/3/2016 16:10	-2	0	-1	-0.50
	4/3/16 16:43	0	0	0		4/3/2016 16:25	-2	-0.5	-1.25	-0.63
	4/3/16 16:58	0	0	0		4/3/2016 16:40	-2	0	-1	-0.50
	4/3/16 17:13	0	0	0		4/3/2016 16:55	-2	-0.5	-1.25	-0.63
	4/3/16 17:28	0	0	0		4/3/2016 17:10	-1.5	-0.5	-1	-0.50
	4/3/16 17:43	0	0	0		4/3/2016 17:25	-1.5	-0.5	-1	-0.50
	4/3/16 17:58	0	0	0		4/3/2016 17:40	-1.5	-0.5	-1	-0.50
	4/3/16 18:13	0	0	0		4/3/2016 17:55	-1	-0.5	-0.75	-0.38
	4/3/16 18:28	0	0	0		4/3/2016 18:10	-1	-0.5	-0.75	-0.38
	4/3/16 18:43	0	0	0		4/3/2016 18:25	-1	-0.5	-0.75	-0.38
	4/3/16 18:58	0	0	0		4/3/2016 18:40	-1.5	-0.5	-1	-0.50
	4/3/16 19:13	0	0	0		4/3/2016 18:55	-1.5	-0.5	-1	-0.50
	4/3/16 19:28	0	0	0		4/3/2016 19:10	-1.5	-0.5	-1	-0.50
	4/3/16 19:43	0	0	0		4/3/2016 19:25	-1.5	-0.5	-1	-0.50
	4/3/16 19:58	0	0	0		4/3/2016 19:40	-1.5	-0.5	-1	-0.50
	4/3/16 20:13	0	0	0		4/3/2016 19:55	-1	-0.5	-0.75	-0.38
	4/3/16 20:28	0	0	0		4/3/2016 20:10	-1.5	-0.5	-1	-0.50
	4/3/16 20:43	0	0	0		4/3/2016 20:25	-1.5	-0.5	-1	-0.50
	4/3/16 20:58	0	0	0		4/3/2016 20:40	-1.5	-0.5	-1	-0.50
	4/3/16 21:13	0	0	0		4/3/2016 20:55	-1.5	-0.5	-1	-0.50
	4/3/16 21:28	0	0	0		4/3/2016 21:10	-1.5	-0.5	-1	-0.50
	4/3/16 21:43	0	0	0		4/3/2016 21:25	-1	-0.5	-0.75	-0.38
	4/3/16 21:58	0	0	0		4/3/2016 21:40	-1.5	-0.5	-1	-0.50
	4/3/16 22:13	0	0	0		4/3/2016 21:55	-1.5	-0.5	-1	-0.50
	4/3/16 22:28	0	0	0		4/3/2016 22:10	-1.5	-0.5	-1	-0.50
	4/3/16 22:43	0	0	0		4/3/2016 22:25	-1.5	-0.5	-1	-0.50
	4/3/16 22:58	0	0	0		4/3/2016 22:40	-1.5	-0.5	-1	-0.50
	4/3/16 23:13	0	0	0		4/3/2016 22:55	-1.5	-0.5	-1	-0.50
	4/3/16 23:28	0	0	0		4/3/2016 23:10	-1.5	-1	-1.25	-0.63
	4/3/16 23:43	0	0	0		4/3/2016 23:25	-1.5	-0.5	-1	-0.50
	4/3/16 23:58	0	0	0		4/3/2016 23:40	-1.5	-0.5	-1	-0.50
	4/4/16 0:13	0	0	0		4/3/2016 23:55	-1.5	0	-0.75	-0.38
	4/4/16 0:28	0	0	0		4/4/2016 0:10	-1.5	-0.5	-1	-0.50
	4/4/16 0:43	0	0	0		4/4/2016 0:25	-1.5	-0.5	-1	-0.50
	4/4/16 0:58	0	0	0		4/4/2016 0:40	-1.5	0	-0.75	-0.38
	4/4/16 1:13	0	0	0		4/4/2016 0:55	-2	0.5	-0.75	-0.38
	4/4/16 1:28	0	0	0		4/4/2016 1:10	-2	0	-1	-0.50
	4/4/16 1:43	0	0	0		4/4/2016 1:25	-2	0	-1	-0.50
	4/4/16 1:58	0	0	0		4/4/2016 1:40	-1.5	0	-0.75	-0.38
	4/4/16 2:13	0	0	0		4/4/2016 1:55	-1.5	-0.5	-1	-0.50
	4/4/16 2:28	0	0	0		4/4/2016 2:10	-2	0	-1	-0.50
	4/4/16 2:43	0	0	0		4/4/2016 2:25	-1.5	0	-0.75	-0.38
	4/4/16 2:58	0	0	0		4/4/2016 2:40	-1.5	0	-0.75	-0.38
	4/4/16 3:13	0	0	0		4/4/2016 2:55	-1	0	-0.5	-0.25
	4/4/16 3:28	0	0	0		4/4/2016 3:10	-1	0	-0.5	-0.25
	4/4/16 3:43	0	0	0		4/4/2016 3:25	-1	0	-0.5	-0.25
	4/4/16 3:58	0	0	0		4/4/2016 3:40	-1	0	-0.5	-0.25
	4/4/16 4:13	0	0	0		4/4/2016 3:55	-1	0	-0.5	-0.25
	4/4/16 4:28	0	0	0		4/4/2016 4:10	-1	0	-0.5	-0.25
	4/4/16 4:43	0	0	0		4/4/2016 4:25	-1	0	-0.5	-0.25
	4/4/16 4:58	0	0	0		4/4/2016 4:40	-1	0	-0.5	-0.25
	4/4/16 5:13	0	0	0		4/4/2016 4:55	-1	0	-0.5	-0.25
	4/4/16 5:28	0	0	0		4/4/2016 5:10	-1	-0.5	-0.75	-0.38
	4/4/16 5:43	0	0	0		4/4/2016 5:25	-1	0	-0.5	-0.25
	4/4/16 5:58	0	0	0		4/4/2016 5:40	-1	-0.5	-0.75	-0.38
	4/4/16 6:13	0	0	0		4/4/2016 5:55	-0.5	0	-0.25	-0.13
	4/4/16 6:28	0	0	0		4/4/2016 6:10	-1	0	-0.5	-0.25
	4/4/16 6:43	0	0	0		4/4/2016 6:25	-1	0	-0.5	-0.25
	4/4/16 6:58	0	0	0		4/4/2016 6:40	-1	0	-0.5	-0.25
	4/4/16 7:13	0	0	0		4/4/2016 6:55	-1	-0.5	-0.75	-0.38
	4/4/16 7:28	0	0	0		4/4/2016 7:10	-1	-0.5	-0.75	-0.38
	4/4/16 7:43	0	0	0		4/4/2016 7:25	-1	0	-0.5	-0.25
	4/4/16 7:58	0	0	0		4/4/2016 7:40	-1	0	-0.5	-0.25
	4/4/16 8:13	0	0	0		4/4/2016 7:55	-1	-0.5	-0.75	-0.38
	4/4/16 8:28	0	0	0		4/4/2016 8:10	-1	-0.5	-0.75	-0.38
	4/4/16 8:43	0	0	0		4/4/2016 8:25	-1.5	-0.5	-1	-0.50
	4/4/16 8:58	0	0	0		4/4/2016 8:40	-1	-0.5	-0.75	-0.38
	4/4/16 9:13	0	0	0		4/4/2016 8:55	-1	-0.5	-0.75	-0.38
	4/4/16 9:28	0	0							

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/4/16 13:28	0	0	0		4/4/2016 13:10	-2	-0.5	-1.25	-0.63
	4/4/16 13:43	0	0	0		4/4/2016 13:25	-2	-0.5	-1.25	-0.63
	4/4/16 13:58	0	0	0		4/4/2016 13:40	-2	-0.5	-1.25	-0.63
	4/4/16 14:13	0	0	0		4/4/2016 13:55	-2	-0.5	-1.25	-0.63
	4/4/16 14:28	0	0	0		4/4/2016 14:10	-2	-0.5	-1.25	-0.63
	4/4/16 14:43	0	0	0		4/4/2016 14:25	-2.5	0	-1.25	-0.63
	4/4/16 14:58	0	0	0		4/4/2016 14:40	-2	-0.5	-1.25	-0.63
	4/4/16 15:13	0	0	0		4/4/2016 14:55	-2	-1	-1.5	-0.75
	4/4/16 15:28	0	0	0		4/4/2016 15:10	-1.5	-0.5	-1	-0.50
	4/4/16 15:43	0	0	0		4/4/2016 15:25	-2	-1	-1.5	-0.75
	4/4/16 15:58	0	0	0		4/4/2016 15:40	-2	-1	-1.5	-0.75
	4/4/16 16:13	0	0	0		4/4/2016 15:55	-2	-0.5	-1.25	-0.63
	4/4/16 16:28	0	0	0		4/4/2016 16:10	-1.5	-1	-1.25	-0.63
	4/4/16 16:43	0	0	0		4/4/2016 16:25	-1.5	-1	-1.25	-0.63
	4/4/16 16:58	0	0	0		4/4/2016 16:40	-1.5	-1	-1.25	-0.63
	4/4/16 17:13	0	0	0		4/4/2016 16:55	-1.5	-1	-1.25	-0.63
	4/4/16 17:28	0	0	0		4/4/2016 17:10	-1.5	-1	-1.25	-0.63
	4/4/16 17:43	0	0	0		4/4/2016 17:25	-1.5	-0.5	-1	-0.50
	4/4/16 17:58	0	0	0		4/4/2016 17:40	-2	-1	-1.5	-0.75
	4/4/16 18:13	0	0	0		4/4/2016 17:55	-1.5	-1	-1.25	-0.63
	4/4/16 18:28	0	0	0		4/4/2016 18:10	-2	-1	-1.5	-0.75
	4/4/16 18:43	0	0	0		4/4/2016 18:25	-2	-0.5	-1.25	-0.63
	4/4/16 18:58	0	0	0		4/4/2016 18:40	-2	-0.5	-1.25	-0.63
	4/4/16 19:13	0	0	0		4/4/2016 18:55	-2	-1	-1.5	-0.75
	4/4/16 19:28	0	0	0		4/4/2016 19:10	-1.5	-1	-1.25	-0.63
	4/4/16 19:43	0	0	0		4/4/2016 19:25	-1.5	-0.5	-1	-0.50
	4/4/16 19:58	0	0	0		4/4/2016 19:40	-1.5	-1	-1.25	-0.63
	4/4/16 20:13	0	0	0		4/4/2016 19:55	-1.5	-1	-1.25	-0.63
	4/4/16 20:28	0	0	0		4/4/2016 20:10	-1.5	-1	-1.25	-0.63
	4/4/16 20:43	0	0	0		4/4/2016 20:25	-1.5	-1	-1.25	-0.63
	4/4/16 20:58	0	0	0		4/4/2016 20:40	-1.5	-1	-1.25	-0.63
	4/4/16 21:13	0	0	0		4/4/2016 20:55	-1.5	-1	-1.25	-0.63
	4/4/16 21:28	0	0	0		4/4/2016 21:10	-1.5	-1	-1.25	-0.63
	4/4/16 21:43	0	0	0		4/4/2016 21:25	-1.5	-1	-1.25	-0.63
	4/4/16 21:58	0	0	0		4/4/2016 21:40	-1	-1	-1	-0.50
	4/4/16 22:13	0	0	0		4/4/2016 21:55	-1.5	-1	-1.25	-0.63
	4/4/16 22:28	0	0	0		4/4/2016 22:10	-1.5	-1	-1.25	-0.63
	4/4/16 22:43	0	0	0		4/4/2016 22:25	-1	-1	-1	-0.50
	4/4/16 22:58	0	0	0		4/4/2016 22:40	-1.5	-1	-1.25	-0.63
	4/4/16 23:13	0	0	0		4/4/2016 22:55	-1.5	-1	-1.25	-0.63
	4/4/16 23:28	0	0	0		4/4/2016 23:10	-1	-1	-1	-0.50
	4/4/16 23:43	0	0	0		4/4/2016 23:25	-1.5	-1	-1.25	-0.63
	4/4/16 23:58	0	0	0		4/4/2016 23:40	-1.5	-1	-1.25	-0.63
	4/5/16 0:13	0	0	0		4/4/2016 23:55	-1	-1	-1	-0.50
	4/5/16 0:28	0	0	0		4/5/2016 0:10	-1.5	-1	-1.25	-0.63
	4/5/16 0:43	0	0	0		4/5/2016 0:25	-1.5	-1	-1.25	-0.63
	4/5/16 0:58	0	0	0		4/5/2016 0:40	-1.5	-1	-1.25	-0.63
	4/5/16 1:13	0	0	0		4/5/2016 0:55	-1.5	-1	-1.25	-0.63
	4/5/16 1:28	0	0	0		4/5/2016 1:10	-1.5	-1	-1.25	-0.63
	4/5/16 1:43	0	0	0		4/5/2016 1:25	-1.5	-1	-1.25	-0.63
	4/5/16 1:58	0	0	0		4/5/2016 1:40	-2	-1	-1.5	-0.75
	4/5/16 2:13	0	0	0		4/5/2016 1:55	-2	-1	-1.5	-0.75
	4/5/16 2:28	0	0	0		4/5/2016 2:10	-1.5	-1	-1.25	-0.63
	4/5/16 2:43	0	0	0		4/5/2016 2:25	-1.5	-1	-1.25	-0.63
	4/5/16 2:58	0	0	0		4/5/2016 2:40	-1.5	-1	-1.25	-0.63
	4/5/16 3:13	0	0	0		4/5/2016 2:55	-1.5	-1	-1.25	-0.63
	4/5/16 3:28	0	0	0		4/5/2016 3:10	-1.5	-1	-1.25	-0.63
	4/5/16 3:43	0	0	0		4/5/2016 3:25	-1.5	-1	-1.25	-0.63
	4/5/16 3:58	0	0	0		4/5/2016 3:40	-1.5	-1	-1.25	-0.63
	4/5/16 4:13	0	0	0		4/5/2016 3:55	-1.5	-1	-1.25	-0.63
	4/5/16 4:28	0	0	0		4/5/2016 4:10	-1.5	-1	-1.25	-0.63
	4/5/16 4:43	0	0	0		4/5/2016 4:25	-1.5	-1	-1.25	-0.63
	4/5/16 4:58	0	0	0		4/5/2016 4:40	-1.5	-1	-1.25	-0.63
	4/5/16 5:13	0	0	0		4/5/2016 4:55	-1.5	-1	-1.25	-0.63
	4/5/16 5:28	0	0	0		4/5/2016 5:10	-1.5	-1	-1.25	-0.63
	4/5/16 5:43	0	0	0		4/5/2016 5:25	-1.5	-1	-1.25	-0.63
	4/5/16 5:58	0	0	0		4/5/2016 5:40	-1.5	-1	-1.25	-0.63
	4/5/16 6:13	0	0	0		4/5/2016 5:55	-1.5	-1	-1.25	-0.63
	4/5/16 6:28	0	0	0		4/5/2016 6:10	-1.5	-1	-1.25	-0.63
	4/5/16 6:43	0	0	0		4/5/2016 6:25	-1.5	-1	-1.25	-0.63
	4/5/16 6:58	0	0	0		4/5/2016 6:40	-1.5	-1	-1.25	-0.63
	4/5/16 7:13	0	0	0		4/5/2016 6:55	-1.5	-1	-1.25	-0.63
	4/5/16 7:28	0	0	0		4/5/2016 7:10	-1.5	-0.5	-1	-0.50
	4/5/16 7:43	0	0	0		4/5/2016 7:25	-1.5	-1	-1.25	-0.63
	4/5/16 7:58	0	0	0		4/5/2016 7:41	-2	-1	-1.5	-0.75
	4/5/16 8:13	0	0	0		4/5/2016 7:56	-1.5	-1	-1.25	-0.63
	4/5/16 8:28	0	0	0		4/5/2016 8:11	-2	-1	-1.5	-0.75
	4/5/16 8:43	0	0	0		4/5/2016 8:26	-1.5	-1	-1.25	-0.63
	4/5/16 8:58	0	0	0		4/5/2016 8:41	-1.5	-1	-1.25	-0.63
	4/5/16 9:13	0	0	0		4/5/2016 8:56	-2	-1	-1.5	-0.75
	4/5/16 9:28	0	0	0		4/5/2016 9:11	-2	-1	-1.5	-0.75
	4/5/16 9:43	0	0	0		4/5/2016 9:26	-2	-1	-1.5	-0.75
	4/5/16 9:58	0	0	0		4/5/2016 9:41	-1.5	-0.5	-1	-0.50
	4/5/16 10:13	0	0	0		4/5/2016 9:56	-2	-1	-1.5	-0.75
	4/5/16 10:28	0	0	0		4/5/2016 10:11	-1.5	-1	-1.25	-0.63
	4/5/16 10:43	0	0	0		4/5/2016 10:26	-1.5	-1	-1.25	-0.63
	4/5/16 10:58	0	0	0		4/5/2016 10:41	-1.5	-0.5	-1	-0.50
	4/5/16 11:13	0	0	0		4/5/2016 10:56	-4	-0.5	-2.25	-1.13
	4/5/16 11:28	0	0	0		4/5/2016 11:11	-2.5	0.5	-1	-0.50
	4/5/16 11:43	0	0	0		4/5/2016 11:26	-2	-0.5	-1.25	-0.63
	4/5/16 11:58	0	0	0		4/5/2016 11:41	-1.5	-0.5	-1	-0.50
	4/5/16 12:13	0	0	0		4/5/2016 11:56	-2	-1	-1.5	-0.75
	4/5/16 12:28	0	0	0		4/5/2016 12:11	-2	-0.5	-1.25	-0.63
	4/5/16 12:43	0	0	0		4/5/2016 12:26	-2.5	0	-1.25	-0.63
	4/5/16 12:58	0	0	0		4/5/2016 12:41	-2	-0.5	-1.25	-0.63
	4/5/16 13:13	0	0	0		4/5/2016 12:56	-2.5	-0.5	-1.5	-0.75
	4/5/16 13:28	0	0	0		4/5/2016 13:11	-2.5	-1	-1.75	-0.88
	4/5/16 13:43	0	0	0		4/5/2016 13:26	-2	-0.5	-1.25	-0.63
	4/5/16 13:58	0	0	0		4/5/2016 13:41	-1.5	-0.5	-1	-0.50
	4/5/16 14:13	0	0	0		4/5/2016 13:56	-2	-0.5	-1.25	-0.63
	4/5/16 14:28	0	0	0		4/5/2016 14:11	-2.5	-0.5	-1.5	-0.75
	4/5/16 14:43	0	0	0		4/5/2016 14:26	-1.5	-0.5	-1	-0.50
	4/5/16 14:58	0	0	0		4/5/2016 14:41	-1.5	-0.5	-1	-0.50
	4/5/16 15:13	0	0	0		4/5/2016 14:56	-1.5	-0.5	-1	-0.50
	4/5/16 15:28	0	0	0		4/5/2016 15:11	-2	-0.5	-1.25	-0.63
	4/5/16 15:43	0	0	0		4/5/2016 15:26	-2.5	0	-1.25	-0.63
	4/5/16 15:58	0	0	0		4/5/2016 15:41	-2	-0.5	-1.25	-0.63
	4/5/16 16:13	0	0	0		4/5/2016 15:56	-2	-0.5	-1.25	-0.63
	4/5/16 16:28	0	0	0		4/5/2016 16:11	-2	-0.5	-1.25	-0.63
	4/5/16 16:43	0	0	0		4/5/2016 16:26	-1.5	-0.5	-1	-0.50
	4/5/16 16:58	0	0	0		4/5/2016 16:41	-1.5	-0.5	-1	-0.50
	4/5/16 17:13	0	0	0		4/5/2016 16:56	-1.5	-0.5	-1	-0.50
	4/5/16 17:28	0	0	0		4/5/2016 17:11	-2	-0.5	-1.25	-0.63
	4/5/16 17:43	0	0	0		4/5/2016 17:26	-1.5	-0.5	-1	-0.50
	4/5/16 17:58	0	0	0		4/5/2016 17:41	-1.5	-0.5	-1	-0.50
	4/5/16 18:13	0	0	0		4/5/2016 17:56	-1.5	-1	-1.25	-0.63
	4/5/16 18:28	0	0	0		4/5/2016 18:11	-1.5	-0.5	-1	-0.50
	4/5/16 18:43	0	0	0		4/5/2016 18:26	-2	-1	-1.5	-0.75
	4/5/16 18:58	0	0	0		4/5/2016 18:41	-1.5	-0.5	-1	-0.50
	4/5/16 19:13	0	0	0		4/5/2016 18:56	-1.5	-1	-1.25	-0.63
	4/5/16 19:28	0	0	0		4/5/2016 19:11	-1.5	-1	-1.25	-0.63
	4/5/16 19:43	0	0	0		4/5/2016 19:26	-1.5	-1	-1.25	-0.63
	4/5/16 19:58	0	0	0		4/5/2016 19:41				

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/5/16 20:28	0	0	0		4/5/16 20:11	-1.5	-1	-1.25	-0.63
	4/5/16 20:43	0	0	0		4/5/16 20:26	-1.5	-1	-1.25	-0.63
	4/5/16 20:58	0	0	0		4/5/16 20:41	-1	-1	-1	-0.50
	4/5/16 21:13	0	0	0		4/5/16 20:56	-1.5	-1	-1.25	-0.63
	4/5/16 21:28	0	0	0		4/5/16 21:11	-1	-1	-1	-0.50
	4/5/16 21:43	0	0	0		4/5/16 21:26	-1	-1	-1	-0.50
	4/5/16 21:58	0	0	0		4/5/16 21:41	-1	-1	-1	-0.50
	4/5/16 22:13	0	0	0		4/5/16 21:56	-1	-1	-1	-0.50
	4/5/16 22:28	0	0	0		4/5/16 22:11	-1.5	-1	-1.25	-0.63
	4/5/16 22:43	0	0	0		4/5/16 22:26	-1.5	-1	-1.25	-0.63
	4/5/16 22:58	0	0	0		4/5/16 22:41	-1.5	-1	-1.25	-0.63
	4/5/16 23:13	0	0	0		4/5/16 22:56	-1.5	-1	-1.25	-0.63
	4/5/16 23:28	0	0	0		4/5/16 23:11	-1.5	-1	-1.25	-0.63
	4/5/16 23:43	0	0	0		4/5/16 23:26	-1.5	-1	-1.25	-0.63
	4/5/16 23:58	0	0	0		4/5/16 23:41	-1.5	-1	-1.25	-0.63
	4/6/16 0:13	0	0	0		4/5/16 23:56	-1.5	-1	-1.25	-0.63
	4/6/16 0:28	0	0	0		4/6/16 0:11	-1.5	-1	-1.25	-0.63
	4/6/16 0:43	0	0	0		4/6/16 0:26	-1.5	-1	-1.25	-0.63
	4/6/16 0:58	0	0	0		4/6/16 0:41	-1.5	-1	-1.25	-0.63
	4/6/16 1:13	0	0	0		4/6/16 0:56	-1.5	-1	-1.25	-0.63
	4/6/16 1:28	0	0	0		4/6/16 1:11	-1.5	-1	-1.25	-0.63
	4/6/16 1:43	0	0	0		4/6/16 1:26	-1.5	-1	-1.25	-0.63
	4/6/16 1:58	0	0	0		4/6/16 1:41	-1.5	-1	-1.25	-0.63
	4/6/16 2:13	0	0	0		4/6/16 1:56	-1.5	-1	-1.25	-0.63
	4/6/16 2:28	0	0	0		4/6/16 2:11	-1.5	-1	-1.25	-0.63
	4/6/16 2:43	0	0	0		4/6/16 2:26	-1.5	-1	-1.25	-0.63
	4/6/16 2:58	0	0	0		4/6/16 2:41	-1.5	-1	-1.25	-0.63
	4/6/16 3:13	0	0	0		4/6/16 2:56	-1.5	-1	-1.25	-0.63
	4/6/16 3:28	0	0	0		4/6/16 3:11	-1.5	-1	-1.25	-0.63
	4/6/16 3:43	0	0	0		4/6/16 3:26	-1.5	-1	-1.25	-0.63
	4/6/16 3:58	0	0	0		4/6/16 3:41	-1.5	-1	-1.25	-0.63
	4/6/16 4:13	0	0	0		4/6/16 3:56	-1.5	-1	-1.25	-0.63
	4/6/16 4:28	0	0	0		4/6/16 4:11	-1.5	-1	-1.25	-0.63
	4/6/16 4:43	0	0	0		4/6/16 4:26	-1.5	-1	-1.25	-0.63
	4/6/16 4:58	0	0	0		4/6/16 4:41	-1.5	-1	-1.25	-0.63
	4/6/16 5:13	0	0	0		4/6/16 4:56	-1.5	-1	-1.25	-0.63
	4/6/16 5:28	0	0	0		4/6/16 5:11	-1.5	-1	-1.25	-0.63
	4/6/16 5:43	0	0	0		4/6/16 5:26	-1.5	-1	-1.25	-0.63
	4/6/16 5:58	0	0	0		4/6/16 5:41	-1.5	-1	-1.25	-0.63
	4/6/16 6:13	0	0	0		4/6/16 5:56	-1.5	-1	-1.25	-0.63
	4/6/16 6:28	0	0	0		4/6/16 6:11	-1.5	-1	-1.25	-0.63
	4/6/16 6:43	0	0	0		4/6/16 6:26	-1.5	-1	-1.25	-0.63
	4/6/16 6:58	0	0	0		4/6/16 6:41	-1.5	-0.5	-1	-0.50
	4/6/16 7:13	0	0	0		4/6/16 6:56	-1.5	-0.5	-1	-0.50
	4/6/16 7:28	0	0	0		4/6/16 7:11	-1.5	-0.5	-1	-0.50
	4/6/16 7:43	0	0	0		4/6/16 7:26	-1.5	-0.5	-1	-0.50
	4/6/16 7:58	0	0	0		4/6/16 7:41	-1.5	-0.5	-1	-0.50
	4/6/16 8:13	0	0	0		4/6/16 7:56	-1.5	-0.5	-1	-0.50
	4/6/16 8:28	0	0	0		4/6/16 8:11	-1.5	-0.5	-1	-0.50
	4/6/16 8:43	0	0	0		4/6/16 8:26	-2	0	-1	-0.50
	4/6/16 8:58	0	0	0		4/6/16 8:41	-2.5	0	-1.25	-0.63
	4/6/16 9:13	0	0	0		4/6/16 8:56	-2	0	-1	-0.50
	4/6/16 9:28	0	0	0		4/6/16 9:11	-2.5	0	-1.25	-0.63
	4/6/16 9:43	0	0	0		4/6/16 9:26	-2	0.5	-0.75	-0.38
	4/6/16 9:58	0	0	0		4/6/16 9:41	-3	0.5	-1.25	-0.63
	4/6/16 10:13	0	0	0		4/6/16 9:56	-2	0	-1	-0.50
	4/6/16 10:28	0	0	0		4/6/16 10:11	-2.5	0.5	-1	-0.50
	4/6/16 10:43	0	0	0		4/6/16 10:26	-3	0.5	-1.25	-0.63
	4/6/16 10:58	0	0	0		4/6/16 10:41	-3	1.5	-0.75	-0.38
	4/6/16 11:13	0	0	0		4/6/16 10:56	-3	2	-0.5	-0.25
	4/6/16 11:28	0	0	0		4/6/16 11:11	-2.5	0.5	-1	-0.50
	4/6/16 11:43	0	0	0		4/6/16 11:26	-2.5	0.5	-1	-0.50
	4/6/16 11:58	0	0	0		4/6/16 11:41	-3	1.5	-0.75	-0.38
	4/6/16 12:13	0	0	0		4/6/16 11:56	-3	0.5	-1.25	-0.63
	4/6/16 12:28	0	0	0		4/6/16 12:11	-3	1	-1	-0.50
	4/6/16 12:43	0	0	0		4/6/16 12:26	-2	0.5	-0.75	-0.38
	4/6/16 12:58	0	0	0		4/6/16 12:41	-2	1	-0.5	-0.25
	4/6/16 13:13	0	0	0		4/6/16 12:56	-1.5	0	-0.75	-0.38
	4/6/16 13:28	0	0	0		4/6/16 13:11	-2	0.5	-0.75	-0.38
	4/6/16 13:43	0	0	0		4/6/16 13:26	-2	0.5	-0.75	-0.38
	4/6/16 13:58	0	0	0		4/6/16 13:41	-1.5	0	-0.75	-0.38
	4/6/16 14:13	0	0	0		4/6/16 13:56	-2.5	1.5	-0.5	-0.25
	4/6/16 14:28	0	0	0		4/6/16 14:11	-1.5	0	-0.75	-0.38
	4/6/16 14:43	0	0	0		4/6/16 14:26	-2	2.5	0.25	0.13
	4/6/16 14:58	0	0	0		4/6/16 14:41	-2.5	1	-0.75	-0.38
	4/6/16 15:13	0	0	0		4/6/16 14:56	-3	2	-0.5	-0.25
	4/6/16 15:28	0	0	0		4/6/16 15:11	-2.5	1.5	-0.5	-0.25
	4/6/16 15:43	0	0	0		4/6/16 15:26	-2	1.5	-0.25	-0.13
	4/6/16 15:58	0	0	0		4/6/16 15:41	-3	2	-0.5	-0.25
	4/6/16 16:13	0	0	0		4/6/16 15:56	-2.5	2.5	0	0.00
	4/6/16 16:28	0	0	0		4/6/16 16:11	-4.5	2	-1.25	-0.63
	4/6/16 16:43	0	0	0		4/6/16 16:26	-2	1.5	-0.25	-0.13
	4/6/16 16:58	-0.25	0	-0.25		4/6/16 16:41	-3	2.5	-0.25	-0.25
	4/6/16 17:13	0	0	0		4/6/16 16:56	-2.5	2.5	0	0.00
	4/6/16 17:28	0	0	0		4/6/16 17:11	-2	1	-0.5	-0.25
	4/6/16 17:43	0	0	0		4/6/16 17:26	-2	2	0	0.00
	4/6/16 17:58	0	0	0		4/6/16 17:41	-1	0	-0.5	-0.25
	4/6/16 18:13	0	0	0		4/6/16 17:56	-1	0	-0.5	-0.25
	4/6/16 18:28	0	0	0		4/6/16 18:11	-1	0.5	-0.25	-0.13
	4/6/16 18:43	0	0	0		4/6/16 18:26	-2	0.5	-0.75	-0.38
	4/6/16 18:58	0	0.5	0.25		4/6/16 18:41	-5	4	-0.5	-0.13
	4/6/16 19:13	-2	1	-0.5		4/6/16 18:56	-2	1	-0.5	-0.50
	4/6/16 19:28	-0.5	0.5	0		4/6/16 19:11	-16.5	-11	-13.75	-6.88
	4/6/16 19:43	0	0	0		4/6/16 19:26	-9	4.5	-2.25	-1.13
	4/6/16 19:58	0	0	0		4/6/16 19:41	-5.5	5.5	0	0.00
	4/6/16 20:13	0	0	0		4/6/16 19:56	-2	1.5	-0.25	-0.13
	4/6/16 20:28	-0.5	0	-0.25		4/6/16 20:11	-7	2.5	-2.25	-1.25
	4/6/16 20:43	0	0	0		4/6/16 20:26	-8.5	3	-2.75	-1.38
	4/6/16 20:58	-0.5	0.5	0		4/6/16 20:41	-3.5	1.5	-1	-0.50
	4/6/16 21:13	0	0	0		4/6/16 20:56	-10.5	5	-2.75	-1.38
	4/6/16 21:28	0	0.5	0.25		4/6/16 21:11	-5	2	-1.5	-0.63
	4/6/16 21:43	0	0	0		4/6/16 21:26	-3	3	0	0.00
	4/6/16 21:58	0	0	0		4/6/16 21:41	-2	2	0	0.00
	4/6/16 22:13	0	0	0		4/6/16 21:56	-2.5	1	-0.75	-0.38
	4/6/16 22:28	0	0	0		4/6/16 22:11	-1.5	0.5	-0.5	-0.25
	4/6/16 22:43	0	0	0		4/6/16 22:26	-1	0.5	-0.25	-0.13
	4/6/16 22:58	0	0	0		4/6/16 22:41	-1	0	-0.5	-0.25
	4/6/16 23:13	0	0	0		4/6/16 22:56	-1	0.5	-0.25	-0.13
	4/6/16 23:28	0	0	0		4/6/16 23:11	-1.5	0.5	-0.5	-0.25
	4/6/16 23:43	0	0	0		4/6/16 23:26	-1	0.5	-0.25	-0.13
	4/6/16 23:58	0	0	0		4/6/16 23:41				

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building

Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/7/16 3:28	0	0	0		4/7/2016 3:11	-2	0.5	-0.75	-0.38
	4/7/16 3:43	0	0	0		4/7/2016 3:26	-2	1.5	-0.25	-0.13
	4/7/16 3:58	0	0	0		4/7/2016 3:41	-3.5	1.5	-1	-0.50
	4/7/16 4:13	0	0	0		4/7/2016 3:56	-2	1.5	-0.25	-0.13
	4/7/16 4:28	0	0	0		4/7/2016 4:11	-2	1.5	-0.25	-0.13
	4/7/16 4:43	0	0	0		4/7/2016 4:26	-1.5	1.5	0	0.00
	4/7/16 4:58	0	0	0		4/7/2016 4:41	-2.5	3	0.25	0.13
	4/7/16 5:13	0	0	0		4/7/2016 4:56	-2	1.5	-0.25	-0.13
	4/7/16 5:28	0	0	0		4/7/2016 5:11	-1.5	1	-0.25	-0.13
	4/7/16 5:43	-0.5	0	-0.25		4/7/2016 5:26	-4.5	3	-0.75	-0.50
	4/7/16 5:58	0.5	0.5	0		4/7/2016 5:41	-12.5	5	-3.75	-1.88
	4/7/16 6:13	-0.5	0	-0.25		4/7/2016 5:56	-6.5	4.5	-1	-0.63
	4/7/16 6:28	0	0	0		4/7/2016 6:11	-5.5	4	-0.75	-0.38
	4/7/16 6:43	-0.5	0	-0.25		4/7/2016 6:26	-2.5	2	-0.25	-0.25
	4/7/16 6:58	0	0	0		4/7/2016 6:41	-7	3.5	-1.75	-0.88
	4/7/16 7:13	0	0	0		4/7/2016 6:56	-3.5	2	-0.75	-0.38
	4/7/16 7:28	0	0	0		4/7/2016 7:11	-2.5	1.5	-0.5	-0.25
	4/7/16 7:43	0	0	0		4/7/2016 7:26	-1.5	1	-0.25	-0.13
	4/7/16 7:58	0	0	0		4/7/2016 7:41	-2.5	2	-0.25	-0.13
	4/7/16 8:13	0	0	0		4/7/2016 7:56	-2	0.5	-0.75	-0.38
	4/7/16 8:28	0	0	0		4/7/2016 8:11	-3	1.5	-0.75	-0.38
	4/7/16 8:43	0	0	0		4/7/2016 8:26	-4.5	0	-2.25	-1.13
	4/7/16 8:58	0	0	0		4/7/2016 8:41	-2.5	0.5	-1	-0.50
	4/7/16 9:13	0	0	0		4/7/2016 8:56	-2	0	-1	-0.50
	4/7/16 9:28	0	0	0		4/7/2016 9:11	-1	0	-0.5	-0.25
	4/7/16 9:43	0	0	0		4/7/2016 9:26	-1.5	0	-0.75	-0.38
	4/7/16 9:58	0	0	0		4/7/2016 9:41	-2	0	-1	-0.50
	4/7/16 10:13	0	0	0		4/7/2016 9:56	-2	0	-1	-0.50
	4/7/16 10:28	0	0	0		4/7/2016 10:11	-1.5	0	-0.75	-0.38
	4/7/16 10:43	0	0	0		4/7/2016 10:26	-2	0.5	-0.75	-0.38
	4/7/16 10:58	0	0	0		4/7/2016 10:41	-1.5	0	-0.75	-0.38
	4/7/16 11:13	0	0	0		4/7/2016 10:56	-2	0	-1	-0.50
	4/7/16 11:28	0	0	0		4/7/2016 11:11	-1.5	0	-0.75	-0.38
	4/7/16 11:43	0	0	0		4/7/2016 11:26	-1.5	0	-0.75	-0.38
	4/7/16 11:58	0	0	0		4/7/2016 11:41	-1.5	0	-0.75	-0.38
	4/7/16 12:13	0	0	0		4/7/2016 11:56	-1.5	0	-0.75	-0.38
	4/7/16 12:28	0	0	0		4/7/2016 12:11	-1.5	0	-0.75	-0.38
	4/7/16 12:43	0	0	0		4/7/2016 12:26	-2	0	-1	-0.50
	4/7/16 12:58	0	0	0		4/7/2016 12:41	-1.5	0	-0.75	-0.38
	4/7/16 13:13	0	0	0		4/7/2016 12:56	-1.5	0	-0.75	-0.38
	4/7/16 13:28	0	0	0		4/7/2016 13:11	-2	0	-1	-0.50
	4/7/16 13:43	0	0	0		4/7/2016 13:26	-1.5	-0.5	-1	-0.50
	4/7/16 13:58	0	0	0		4/7/2016 13:41	-1.5	-0.5	-1	-0.50
	4/7/16 14:13	0	0	0		4/7/2016 13:56	-1	0	-0.5	-0.25
	4/7/16 14:28	0	0	0		4/7/2016 14:11	-1	-0.5	-0.75	-0.38
	4/7/16 14:43	0	0	0		4/7/2016 14:26	-1	0	-0.5	-0.25
	4/7/16 14:58	0	0	0		4/7/2016 14:41	-1.5	0	-0.75	-0.38
	4/7/16 15:13	0	0	0		4/7/2016 14:56	-1	0	-0.5	-0.25
	4/7/16 15:28	0	0	0		4/7/2016 15:11	-1	-0.5	-0.75	-0.38
	4/7/16 15:43	0	0	0		4/7/2016 15:26	-1	0	-0.5	-0.25
	4/7/16 15:58	0	0	0		4/7/2016 15:41	-1	-0.5	-0.75	-0.38
	4/7/16 16:13	0	0	0		4/7/2016 15:56	-1	-0.5	-0.75	-0.38
	4/7/16 16:28	0	0	0		4/7/2016 16:11	-1.5	-0.5	-1	-0.50
	4/7/16 16:43	0	0	0		4/7/2016 16:26	-1	0	-0.5	-0.25
	4/7/16 16:58	0	0	0		4/7/2016 16:41	-1	0	-0.5	-0.25
	4/7/16 17:13	0	0	0		4/7/2016 16:56	-1.5	0	-0.75	-0.38
	4/7/16 17:28	0	0	0		4/7/2016 17:11	-1.5	0	-0.75	-0.38
	4/7/16 17:43	0	0	0		4/7/2016 17:26	-1.5	0	-0.75	-0.38
	4/7/16 17:58	0	0	0		4/7/2016 17:41	-1	0	-0.5	-0.25
	4/7/16 18:13	0	0	0		4/7/2016 17:56	-2.5	0	-1.25	-0.63
	4/7/16 18:28	0	0	0		4/7/2016 18:11	-1	0	-0.5	-0.25
	4/7/16 18:43	0	0	0		4/7/2016 18:26	-1	0	-0.5	-0.25
	4/7/16 18:58	0	0	0		4/7/2016 18:41	-1	0	-0.5	-0.25
	4/7/16 19:13	0	0	0		4/7/2016 18:56	-1	0	-0.5	-0.25
	4/7/16 19:28	0	0	0		4/7/2016 19:11	-1	0	-0.5	-0.25
	4/7/16 19:43	0	0	0		4/7/2016 19:26	-2	0	-1	-0.50
	4/7/16 19:58	0	0	0		4/7/2016 19:41	-1.5	0	-0.75	-0.38
	4/7/16 20:13	0	0	0		4/7/2016 19:56	-1.5	0	-0.75	-0.38
	4/7/16 20:28	0	0	0		4/7/2016 20:11	-1	0	-0.5	-0.25
	4/7/16 20:43	0	0	0		4/7/2016 20:26	-1	-0.5	-0.75	-0.38
	4/7/16 20:58	0	0	0		4/7/2016 20:41	-1	-0.5	-0.75	-0.38
	4/7/16 21:13	0	0	0		4/7/2016 20:56	-1.5	0	-0.75	-0.38
	4/7/16 21:28	0	0	0		4/7/2016 21:11	-1	-0.5	-0.75	-0.38
	4/7/16 21:43	0	0	0		4/7/2016 21:26	-2	0	-1	-0.50
	4/7/16 21:58	0	0	0		4/7/2016 21:41	-2	0	-1	-0.50
	4/7/16 22:13	0	0	0		4/7/2016 21:56	-2	0	-1	-0.50
	4/7/16 22:28	0	0	0		4/7/2016 22:11	-1.5	0	-0.75	-0.38
	4/7/16 22:43	0	0	0		4/7/2016 22:26	-2.5	0	-1.25	-0.63
	4/7/16 22:58	0	0	0		4/7/2016 22:41	-2	0	-1	-0.50
	4/7/16 23:13	0	0	0		4/7/2016 22:56	-2	0	-1	-0.50
	4/7/16 23:28	0	0	0		4/7/2016 23:11	-2.5	0	-1.25	-0.63
	4/7/16 23:43	0	0	0		4/7/2016 23:26	-2.5	-0.5	-1.5	-0.75
	4/7/16 23:58	0	0	0		4/7/2016 23:41	-2	0	-1	-0.50
	4/8/16 0:13	0	0	0		4/7/2016 23:56	-2.5	0	-1.25	-0.63
	4/8/16 0:28	0	0	0		4/8/2016 0:11	-2	0	-1	-0.50
	4/8/16 0:43	0	0	0		4/8/2016 0:26	-1.5	0	-0.75	-0.38
	4/8/16 0:58	0	0	0		4/8/2016 0:41	-2	0	-1	-0.50
	4/8/16 1:13	0	0	0		4/8/2016 0:56	-2.5	0	-1.25	-0.63
	4/8/16 1:28	0	0	0		4/8/2016 1:11	-2.5	0	-1.25	-0.63
	4/8/16 1:43	0	0	0		4/8/2016 1:26	-3.5	0	-1.75	-0.88
	4/8/16 1:58	0	0	0		4/8/2016 1:41	-3	0	-1.5	-0.75
	4/8/16 2:13	0	0	0		4/8/2016 1:56	-3	0	-1.5	-0.75
	4/8/16 2:28	0	0	0		4/8/2016 2:11	-2	0	-1	-0.50
	4/8/16 2:43	0	0	0		4/8/2016 2:26	-1.5	0	-0.75	-0.38
	4/8/16 2:58	0	0	0		4/8/2016 2:41	-2.5	-0.5	-1.5	-0.75
	4/8/16 3:13	0	0	0		4/8/2016 2:56	-2	0	-1	-0.50
	4/8/16 3:28	0	0	0		4/8/2016 3:11	-2.5	-0.5	-1.5	-0.75
	4/8/16 3:43	0	0	0		4/8/2016 3:26	-1.5	-0.5	-1	-0.50
	4/8/16 3:58	0	0	0		4/8/2016 3:41	-2.5	-0.5	-1.5	-0.75
	4/8/16 4:13	0	0	0		4/8/2016 3:56	-3.5	0	-1.75	-0.88
	4/8/16 4:28	0	0	0		4/8/2016 4:11	-1.5	0	-0.75	-0.38
	4/8/16 4:43	0	0	0		4/8/2016 4:26	-2	-0.5	-1.25	-0.63
	4/8/16 4:58	0	0	0		4/8/2016 4:41	-2.5	0	-1.25	-0.63
	4/8/16 5:13	0	0	0		4/8/2016 4:56	-2.5	0	-1.25	-0.63
	4/8/16 5:28	0	0	0		4/8/2016 5:11	-2.5	0	-1.25	-0.63
	4/8/16 5:43	0	0	0		4/8/2016 5:26	-3.5	0.5	-1.5	-0.75
	4/8/16 5:58	0	0	0		4/8/2016 5:41	-2.5	1	-0.75	-0.38
	4/8/16 6:13	0	0	0		4/8/2016 5:56	-2.5	0.5	-1	-0.50

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/8/16 10:28	0	0	0		4/8/2016 10:11	-2.5	0	-1.25	-0.63
	4/8/16 10:43	0	0.5	0.25		4/8/2016 10:26	-2	0	-1	-0.38
	4/8/16 10:58	0	0	0		4/8/2016 10:41	-2	0	-1	-0.50
	4/8/16 11:13	0	0	0		4/8/2016 10:56	-3.5	3.5	0	0.00
	4/8/16 11:28	0	0	0		4/8/2016 11:11	-3.5	0	-1.75	-0.88
	4/8/16 11:43	0	0	0		4/8/2016 11:26	-3	1	-1	-0.50
	4/8/16 11:58	0	0	0		4/8/2016 11:41	-3	0	-1.5	-0.75
	4/8/16 12:13	0	0	0		4/8/2016 11:56	-3	0	-1.5	-0.75
	4/8/16 12:28	0	0	0		4/8/2016 12:11	-3.5	0.5	-1.5	-0.75
	4/8/16 12:43	0	0	0		4/8/2016 12:26	-3	1.5	-0.75	-0.38
	4/8/16 12:58	0	0	0		4/8/2016 12:41	-3	0.5	-1.25	-0.63
	4/8/16 13:13	0	0	0		4/8/2016 12:56	-2	0	-1	-0.50
	4/8/16 13:28	0	0	0		4/8/2016 13:11	-3.5	0.5	-1.5	-0.75
	4/8/16 13:43	0	0	0		4/8/2016 13:26	-2.5	0	-1.25	-0.63
	4/8/16 13:58	0	0	0		4/8/2016 13:41	-2.5	0	-1.25	-0.63
	4/8/16 14:13	0	0	0		4/8/2016 13:56	-2	0	-1	-0.50
	4/8/16 14:28	0	0	0		4/8/2016 14:11	-2.5	0.5	-1	-0.50
	4/8/16 14:43	0	0	0		4/8/2016 14:26	-3	0	-1.5	-0.75
	4/8/16 14:58	0	0	0		4/8/2016 14:41	-3	0.5	-1.25	-0.63
	4/8/16 15:13	0	0	0		4/8/2016 14:56	-2.5	0	-1.25	-0.63
	4/8/16 15:28	0	0	0		4/8/2016 15:11	-3	0	-1.5	-0.75
	4/8/16 15:43	0	0	0		4/8/2016 15:26	-2.5	0.5	-1	-0.50
	4/8/16 15:58	0	0	0		4/8/2016 15:41	-2.5	0.5	-1	-0.50
	4/8/16 16:13	0	0	0		4/8/2016 15:56	-4.5	0.5	-2	-1.00
	4/8/16 16:28	0	0	0		4/8/2016 16:11	-2.5	0.5	-1	-0.50
	4/8/16 16:43	0	0	0		4/8/2016 16:26	-2.5	0	-1.25	-0.63
	4/8/16 16:58	0	0	0		4/8/2016 16:41	-2	0	-1	-0.50
	4/8/16 17:13	0	0	0		4/8/2016 16:56	-1.5	0	-0.75	-0.38
	4/8/16 17:28	0	0	0		4/8/2016 17:11	-2	0.5	-0.75	-0.38
	4/8/16 17:43	0	0	0		4/8/2016 17:26	-2.5	1	-0.75	-0.38
	4/8/16 17:58	0	0	0		4/8/2016 17:41	-2	0.5	-0.75	-0.38
	4/8/16 18:13	0	0	0		4/8/2016 17:56	-2.5	0	-1.25	-0.63
	4/8/16 18:28	0	0	0		4/8/2016 18:11	-1.5	0.5	-0.5	-0.25
	4/8/16 18:43	0	0	0		4/8/2016 18:26	-2	0	-1	-0.50
	4/8/16 18:58	0	0	0		4/8/2016 18:41	-1.5	0	-0.75	-0.38
	4/8/16 19:13	0	0	0		4/8/2016 18:56	-2	0	-1	-0.50
	4/8/16 19:28	0	0	0		4/8/2016 19:11	-1.5	-0.5	-1	-0.50
	4/8/16 19:43	0	0	0		4/8/2016 19:26	-1	-0.5	-0.75	-0.38
	4/8/16 19:58	0	0	0		4/8/2016 19:41	-1	-0.5	-0.75	-0.38
	4/8/16 20:13	0	0	0		4/8/2016 19:56	-1	-0.5	-0.75	-0.38
	4/8/16 20:28	0	0	0		4/8/2016 20:11	-1	-0.5	-0.75	-0.38
	4/8/16 20:43	0	0	0		4/8/2016 20:26	-1	-0.5	-0.75	-0.38
	4/8/16 20:58	0	0	0		4/8/2016 20:41	-1	-0.5	-0.75	-0.38
	4/8/16 21:13	0	0	0		4/8/2016 20:56	-1.5	-0.5	-1	-0.50
	4/8/16 21:28	0	0	0		4/8/2016 21:11	-1	-0.5	-0.75	-0.38
	4/8/16 21:43	0	0	0		4/8/2016 21:26	-1	-0.5	-0.75	-0.38
	4/8/16 21:58	0	0	0		4/8/2016 21:41	-1	-0.5	-0.75	-0.38
	4/8/16 22:13	0	0	0		4/8/2016 21:56	-1	-0.5	-0.75	-0.38
	4/8/16 22:28	0	0	0		4/8/2016 22:11	-1	-1	-1	-0.50
	4/8/16 22:43	0	0	0		4/8/2016 22:26	-1	-0.5	-0.75	-0.38
	4/8/16 22:58	0	0	0		4/8/2016 22:41	-1	-0.5	-0.75	-0.38
	4/8/16 23:13	0	0	0		4/8/2016 22:56	-1	-1	-1	-0.50
	4/8/16 23:28	0	0	0		4/8/2016 23:11	-1	-0.5	-0.75	-0.38
	4/8/16 23:43	0	0	0		4/8/2016 23:26	-1	-1	-1	-0.50
	4/8/16 23:58	0	0	0		4/8/2016 23:41	-1	-1	-1	-0.50
	4/9/16 0:13	0	0	0		4/8/2016 23:56	-1	-1	-1	-0.50
	4/9/16 0:28	0	0	0		4/9/2016 0:11	-1	-1	-1	-0.50
	4/9/16 0:43	0	0	0		4/9/2016 0:26	-1	-1	-1	-0.50
	4/9/16 0:58	0	0	0		4/9/2016 0:41	-1	-0.5	-0.75	-0.38
	4/9/16 1:13	0	0	0		4/9/2016 0:56	-1	-0.5	-0.75	-0.38
	4/9/16 1:28	0	0	0		4/9/2016 1:11	-1.5	-0.5	-1	-0.50
	4/9/16 1:43	0	0	0		4/9/2016 1:26	-1.5	-0.5	-1	-0.50
	4/9/16 1:58	0	0	0		4/9/2016 1:41	-1	-0.5	-0.75	-0.38
	4/9/16 2:13	0	0	0		4/9/2016 1:56	-1	-0.5	-0.75	-0.38
	4/9/16 2:28	0	0	0		4/9/2016 2:11	-1.5	-0.5	-1	-0.50
	4/9/16 2:43	0	0	0		4/9/2016 2:26	-1.5	-0.5	-1	-0.50
	4/9/16 2:58	0	0	0		4/9/2016 2:41	-1	-1	-1	-0.50
	4/9/16 3:13	0	0	0		4/9/2016 2:56	-1.5	-1	-1.25	-0.63
	4/9/16 3:28	0	0	0		4/9/2016 3:11	-1.5	-0.5	-1	-0.50
	4/9/16 3:43	0	0	0		4/9/2016 3:26	-1.5	-0.5	-1	-0.50
	4/9/16 3:58	0	0	0		4/9/2016 3:41	-1	-1	-1	-0.50
	4/9/16 4:13	0	0	0		4/9/2016 3:56	-1.5	-1	-1.25	-0.63
	4/9/16 4:28	0	0	0		4/9/2016 4:11	-1.5	-1	-1.25	-0.63
	4/9/16 4:43	0	0	0		4/9/2016 4:26	-1.5	-1	-1.25	-0.63
	4/9/16 4:58	0	0	0		4/9/2016 4:41	-1.5	-1	-1.25	-0.63
	4/9/16 5:13	0	0	0		4/9/2016 4:56	-1.5	-1	-1.25	-0.63
	4/9/16 5:28	0	0	0		4/9/2016 5:11	-1.5	-1	-1.25	-0.63
	4/9/16 5:43	0	0	0		4/9/2016 5:26	-1.5	-1	-1.25	-0.63
	4/9/16 5:58	0	0	0		4/9/2016 5:41	-1.5	-1	-1.25	-0.63
	4/9/16 6:13	0	0	0		4/9/2016 5:56	-1.5	-1	-1.25	-0.63
	4/9/16 6:28	0	0	0		4/9/2016 6:11	-1.5	-1	-1.25	-0.63
	4/9/16 6:43	0	0	0		4/9/2016 6:26	-1.5	-1	-1.25	-0.63
	4/9/16 6:58	0	0	0		4/9/2016 6:41	-2	-1	-1.5	-0.75
	4/9/16 7:13	0	0	0		4/9/2016 6:56	-1.5	-0.5	-1	-0.50
	4/9/16 7:28	0	0	0		4/9/2016 7:11	-2.5	-1	-1.75	-0.88
	4/9/16 7:43	0	0	0		4/9/2016 7:26	-2	-0.5	-1.25	-0.63
	4/9/16 7:58	0	0	0		4/9/2016 7:41	-2	-1	-1.5	-0.75
	4/9/16 8:13	0	0	0		4/9/2016 7:56	-2	-0.5	-1.25	-0.63
	4/9/16 8:28	0	0	0		4/9/2016 8:11	-2	-0.5	-1.25	-0.63
	4/9/16 8:43	0	0	0		4/9/2016 8:26	-2	-1	-1.5	-0.75
	4/9/16 8:58	0	0	0		4/9/2016 8:41	-1.5	-0.5	-1	-0.50
	4/9/16 9:13	0	0	0		4/9/2016 8:56	-1	-1	-1	-0.50
	4/9/16 9:28	0	0	0		4/9/2016 9:11	-1.5	-1	-1.25	-0.63
	4/9/16 9:43	0	0	0		4/9/2016 9:26	-1.5	-0.5	-1	-0.50
	4/9/16 9:58	0	0	0		4/9/2016 9:41	-1.5	-0.5	-1	-0.50
	4/9/16 10:13	0	0	0		4/9/2016 9:56	-1.5	-0.5	-1	-0.50
	4/9/16 10:28	0	0	0		4/9/2016 10:11	-2	-0.5	-1.25	-0.63
	4/9/16 10:43	0	0	0		4/9/2016 10:26	-1.5	-0.5	-1	-0.50
	4/9/16 10:58	0	0	0		4/9/2016 10:41	-2.5	-0.5	-1.5	-0.75
	4/9/16 11:13	0	0	0		4/9/2016 10:56	-2.5	-0.5	-1.5	-0.75
	4/9/16 11:28	0	0	0		4/9/2016 11:11	-3	-1	-2	-1.00
	4/9/16 11:43	0	0	0		4/9/2016 11:26	-2.5	-0.5	-1.5	-0.75
	4/9/16 11:58	0	0	0		4/9/2016 11:41	-3	-0.5	-1.75	-0.88
	4/9/16 12:13	0	0	0		4/9/2016 11:56	-2.5	0	-1.25	-0.63
	4/9/16 12:28	0	0	0		4/9/2016 12:11	-2.5	-0.5	-1.5	-0.75
	4/9/16 12:43	0	0	0		4/9/2016 12:26	-2.5	-0.5	-1.5	-0.75
	4/9/16 12:58	0	0	0		4/9/2016 12:41	-2.5	-0.5	-1.5	-0.75
	4/9/16 13:13	0	0	0		4/9/2016 12:56	-2.5	-0.5	-1.5	-0.75
	4/9/16 13:28	0	0	0		4/9/2016 13:11	-3.5	-0.5	-2	-1.00
	4/9/16 13:43	0	0	0		4/9/2016 13:26	-3	0.5	-1.25	-0.63
	4/9/16 13:58	0	0	0		4/9/2016 13:41	-3	0	-1.5	-0.75
	4/9/16 14:13	0	0	0		4/9/2016 13:56	-3	0	-1.5	-0.75
	4/9/16 14:28	0	0	0		4/9/2016 14:11	-3	-0.5	-1.75	-0.88
	4/9/16 14:43	0	0	0		4/9/2016 14:26	-2.5	-0.5	-1.5	-0.75
	4/9/16 14:58	0	0	0		4/9/2016 14:41	-3	0	-1.5	-0.75
	4/9/16 15:13	0	0	0		4/9/2016 14:56	-2.5	0	-1.25	-0.63
	4/9/16 15:28	0	0	0		4/9/2016 15:11	-2.5	-0.5	-1.5	-0.75
	4/9/16 15:43	0	0	0		4/9/2016 15:26	-3	0.5	-1.75	-0.88
	4/9/16 15:58	0	0	0		4/9/2016 15:41	-2.5	-0.5	-1.5	-0.75
	4/9/16 16:13	0	0	0		4/9/2016 15:56	-3.5	-0.5	-2	-1.00
	4/9/16 16:28	0	0	0		4/9/2016 16:11	-2.5	0	-1.25	-0.63
	4/9/16 16:43	0	0	0		4/9/2016 16:26	-2.5	-0.5	-1.5	-0.75
	4/9/16 16:58	0	0	0		4/9/2016 16:41	-2	0	-1	-0.50
	4/9/									

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/9/16 17:28	0	0	0		4/9/2016 17:11	-2	0	-1	-0.50
	4/9/16 17:43	0	0	0		4/9/2016 17:26	-2	-0.5	-1.25	-0.63
	4/9/16 17:58	0	0	0		4/9/2016 17:41	-2	0	-1	-0.50
	4/9/16 18:13	0	0	0		4/9/2016 17:56	-2	-0.5	-1.25	-0.63
	4/9/16 18:28	0	0	0		4/9/2016 18:11	-2	0	-1	-0.50
	4/9/16 18:43	0	0	0		4/9/2016 18:26	-2	-0.5	-1.25	-0.63
	4/9/16 18:58	0	0	0		4/9/2016 18:41	-2	-0.5	-1.25	-0.63
	4/9/16 19:13	0	0	0		4/9/2016 18:56	-2.5	-0.5	-1.5	-0.75
	4/9/16 19:28	0	0	0		4/9/2016 19:11	-2	-0.5	-1.25	-0.63
	4/9/16 19:43	0	0	0		4/9/2016 19:26	-2	0	-1	-0.50
	4/9/16 19:58	0	0	0		4/9/2016 19:41	-2	-0.5	-1.25	-0.63
	4/9/16 20:13	0	0	0		4/9/2016 19:56	-1.5	-0.5	-1	-0.50
	4/9/16 20:28	0	0	0		4/9/2016 20:11	-1.5	-0.5	-1	-0.50
	4/9/16 20:43	0	0	0		4/9/2016 20:26	-2	-0.5	-1.25	-0.63
	4/9/16 20:58	0	0	0		4/9/2016 20:41	-2	-0.5	-1.25	-0.63
	4/9/16 21:13	0	0	0		4/9/2016 20:56	-2	0	-1	-0.50
	4/9/16 21:28	0	0	0		4/9/2016 21:11	-2	-0.5	-1.25	-0.63
	4/9/16 21:43	0	0	0		4/9/2016 21:26	-3	-0.5	-1.75	-0.88
	4/9/16 21:58	0	0	0		4/9/2016 21:41	-2	-0.5	-1.25	-0.63
	4/9/16 22:13	0	0	0		4/9/2016 21:56	-2	-0.5	-1.25	-0.63
	4/9/16 22:28	0	0	0		4/9/2016 22:11	-1.5	-0.5	-1	-0.50
	4/9/16 22:43	0	0	0		4/9/2016 22:26	-2	-0.5	-1.25	-0.63
	4/9/16 22:58	0	0	0		4/9/2016 22:41	-1.5	-0.5	-1	-0.50
	4/9/16 23:13	0	0	0		4/9/2016 22:56	-1.5	-0.5	-1	-0.50
	4/9/16 23:28	0	0	0		4/9/2016 23:11	-1.5	-1	-1.25	-0.63
	4/9/16 23:43	0	0	0		4/9/2016 23:26	-2	-1	-1.5	-0.75
	4/9/16 23:58	0	0	0		4/9/2016 23:41	-1	-0.5	-0.75	-0.38
	4/10/16 0:13	0	0	0		4/9/2016 23:56	-1.5	-0.5	-1	-0.50
	4/10/16 0:28	0	0	0		4/10/2016 0:11	-1.5	-0.5	-1	-0.50
	4/10/16 0:43	0	0	0		4/10/2016 0:26	-1.5	-0.5	-1	-0.50
	4/10/16 0:58	0	0	0		4/10/2016 0:41	-2	-0.5	-1.25	-0.63
	4/10/16 1:13	0	0	0		4/10/2016 0:56	-1.5	-0.5	-1	-0.50
	4/10/16 1:28	0	0	0		4/10/2016 1:11	-1.5	-1	-1.25	-0.63
	4/10/16 1:43	0	0	0		4/10/2016 1:26	-1.5	-0.5	-1	-0.50
	4/10/16 1:58	0	0	0		4/10/2016 1:41	-1.5	-1	-1.25	-0.63
	4/10/16 2:13	0	0	0		4/10/2016 1:56	-1.5	-0.5	-1	-0.50
	4/10/16 2:28	0	0	0		4/10/2016 2:11	-1.5	-0.5	-1	-0.50
	4/10/16 2:43	0	0	0		4/10/2016 2:26	-1.5	-0.5	-1	-0.50
	4/10/16 2:58	0	0	0		4/10/2016 2:41	-1.5	-0.5	-1	-0.50
	4/10/16 3:13	0	0	0		4/10/2016 2:56	-1	-0.5	-0.75	-0.38
	4/10/16 3:28	0	0	0		4/10/2016 3:11	-1.5	-0.5	-1	-0.50
	4/10/16 3:43	0	0	0		4/10/2016 3:26	-1.5	-1	-1.25	-0.63
	4/10/16 3:58	0	0	0		4/10/2016 3:41	-1.5	-0.5	-1	-0.50
	4/10/16 4:13	0	0	0		4/10/2016 3:56	-1.5	-0.5	-1	-0.50
	4/10/16 4:28	0	0	0		4/10/2016 4:11	-1.5	-0.5	-1	-0.50
	4/10/16 4:43	0	0	0		4/10/2016 4:26	-1	-0.5	-0.75	-0.38
	4/10/16 4:58	0	0	0		4/10/2016 4:41	-1.5	-1	-1.25	-0.63
	4/10/16 5:13	0	0	0		4/10/2016 4:56	-1.5	-1	-1.25	-0.63
	4/10/16 5:28	0	0	0		4/10/2016 5:11	-1.5	-1	-1.25	-0.63
	4/10/16 5:43	0	0	0		4/10/2016 5:26	-1.5	-1	-1.25	-0.63
	4/10/16 5:58	0	0	0		4/10/2016 5:41	-1	-1	-1	-0.50
	4/10/16 6:13	0	0	0		4/10/2016 5:56	-1.5	-1	-1.25	-0.63
	4/10/16 6:28	0	0	0		4/10/2016 6:11	-1.5	-1	-1.25	-0.63
	4/10/16 6:43	0	0	0		4/10/2016 6:26	-1.5	-1	-1.25	-0.63
	4/10/16 6:58	0	0	0		4/10/2016 6:41	-1.5	-1	-1.25	-0.63
	4/10/16 7:13	0	0	0		4/10/2016 6:56	-1.5	-1	-1.25	-0.63
	4/10/16 7:28	0	0	0		4/10/2016 7:11	-1.5	-1	-1.25	-0.63
	4/10/16 7:43	0	0	0		4/10/2016 7:26	-1	-1	-1	-0.50
	4/10/16 7:58	0	0	0		4/10/2016 7:41	-1.5	-1	-1.25	-0.63
	4/10/16 8:13	0	0	0		4/10/2016 7:56	-1.5	-1	-1.25	-0.63
	4/10/16 8:28	0	0	0		4/10/2016 8:11	-1.5	-0.5	-1	-0.50
	4/10/16 8:43	0	0	0		4/10/2016 8:26	-1.5	-0.5	-1	-0.50
	4/10/16 8:58	0	0	0		4/10/2016 8:41	-1.5	-0.5	-1	-0.50
	4/10/16 9:13	0	0	0		4/10/2016 8:56	-1.5	-0.5	-1	-0.50
	4/10/16 9:28	0	0	0		4/10/2016 9:11	-1.5	-0.5	-1	-0.50
	4/10/16 9:43	0	0	0		4/10/2016 9:26	-1.5	-0.5	-1	-0.50
	4/10/16 9:58	0	0	0		4/10/2016 9:41	-1.5	-0.5	-1	-0.50
	4/10/16 10:13	0	0	0		4/10/2016 9:56	-1.5	-0.5	-1	-0.50
	4/10/16 10:28	0	0	0		4/10/2016 10:11	-1.5	-0.5	-1	-0.50
	4/10/16 10:43	0	0	0		4/10/2016 10:26	-1.5	0	-0.75	-0.38
	4/10/16 10:58	0	0	0		4/10/2016 10:41	-1	-0.5	-0.75	-0.38
	4/10/16 11:13	0	0	0		4/10/2016 10:56	-1	0	-0.5	-0.25
	4/10/16 11:28	0	0	0		4/10/2016 11:11	-1.5	0	-0.75	-0.38
	4/10/16 11:43	0	0	0		4/10/2016 11:26	-1.5	0	-0.75	-0.38
	4/10/16 11:58	0	0	0		4/10/2016 11:41	-1.5	0	-0.75	-0.38
	4/10/16 12:13	0	0	0		4/10/2016 11:56	-1.5	0	-0.75	-0.38
	4/10/16 12:28	0	0	0		4/10/2016 12:11	-1.5	0	-0.75	-0.38
	4/10/16 12:43	0	0	0		4/10/2016 12:26	-1.5	0	-0.75	-0.38
	4/10/16 12:58	0	0	0		4/10/2016 12:41	-1	0	-0.5	-0.25
	4/10/16 13:13	0	0	0		4/10/2016 12:56	-1.5	0	-0.75	-0.38
	4/10/16 13:28	0	0	0		4/10/2016 13:11	-1	0	-0.5	-0.25
	4/10/16 13:43	0	0	0		4/10/2016 13:26	-1	0	-0.5	-0.25
	4/10/16 13:58	0	0	0		4/10/2016 13:41	-1.5	0	-0.75	-0.38
	4/10/16 14:13	0	0	0		4/10/2016 13:56	-2	0	-1	-0.50
	4/10/16 14:28	0	0	0		4/10/2016 14:11	-1.5	0	-0.75	-0.38
	4/10/16 14:43	0	0	0		4/10/2016 14:26	-1.5	0	-0.75	-0.38
	4/10/16 14:58	0	0	0		4/10/2016 14:41	-1.5	0	-0.75	-0.38
	4/10/16 15:13	0	0	0		4/10/2016 14:56	-1.5	0	-0.75	-0.38
	4/10/16 15:28	0	0	0		4/10/2016 15:11	-1.5	0	-0.75	-0.38
	4/10/16 15:43	0	0	0		4/10/2016 15:26	-2	0.5	-0.75	-0.38
	4/10/16 15:58	0	0	0		4/10/2016 15:41	-2	0.5	-0.75	-0.38
	4/10/16 16:13	0	0	0		4/10/2016 15:56	-1.5	0	-0.75	-0.38
	4/10/16 16:28	0	0	0		4/10/2016 16:11	-2.5	0.5	-1	-0.50
	4/10/16 16:43	0	0	0		4/10/2016 16:26	-2	0.5	-0.75	-0.38
	4/10/16 16:58	0	0	0		4/10/2016 16:41	-2	0	-1	-0.50
	4/10/16 17:13	0	0	0		4/10/2016 16:56	-2	0	-1	-0.50
	4/10/16 17:28	0	0	0		4/10/2016 17:11	-2	0	-1	-0.50
	4/10/16 17:43	0	0	0		4/10/2016 17:26	-2	0	-1	-0.50
	4/10/16 17:58	0	0	0		4/10/2016 17:41	-2	-0.5	-1.25	-0.63
	4/10/16 18:13	0	0	0		4/10/2016 17:56	-1.5	0	-0.75	-0.38
	4/10/16 18:28	0	0	0		4/10/2016 18:11	-1.5	0	-0.75	-0.38
	4/10/16 18:43	0	0	0		4/10/2016 18:26	-2	0	-1	-0.50
	4/10/16 18:58	0	0	0		4/10/2016 18:41	-1.5	0	-0.75	-0.38
	4/10/16 19:13	0	0	0		4/10/2016 18:56	-1.5	0	-0.75	-0.38
	4/10/16 19:28	0	0	0		4/10/2016 19:11	-1.5	0	-0.75	-0.38
	4/10/16 19:43	0	0	0		4/10/2016 19:26	-1.5	-0.5	-1	-0.50
	4/10/16 19:58	0	0	0		4/10/2016 19:41	-1.5	-0.5	-1	-0.50
	4/10/16 20:13	0	0	0		4/10/2016 19:56	-1.5	-0.5	-1	-0.50
	4/10/16 20:28	0	0	0		4/10/2016 20:11	-1.5	-0.5	-1	-0.50
	4/10/16 20:43	0	0	0		4/10/2016 20:26	-1.5	-0.5	-1	-0.50
	4/10/16 20:58	0	0	0		4/10/2016 20:41	-1.5	0	-0.75	-0.38
	4/10/16 21:13	0	0	0		4/10/2016 20:56	-2	0	-1	-0.50
	4/10/16 21:28	0	0	0		4/10/2016 21:11	-1.5	-0.5	-1	-0.50
	4/10/16 21:43	0	0	0		4/10/2016 21:26	-1.5	-0.5	-1	-0.50
	4/10/16 21:58	0	0	0		4/10/2016 21:41	-1.5	0	-0.75	-0.38
	4/10/16 22:13	0	0	0		4/10/2016 21:56	-1	0	-0.5	-0.25
	4/10/16 22:28	0	0	0		4/10/2016 22:11	-1	-0.5	-0.75	-0.38
	4/10/16 22:43	0	0	0		4/10/2016 22:26	-1.5	0	-0.75	-0.38
	4/10/16 22:58	0	0	0		4/10/2016 22:41	-1.5	0	-0.75	-0.38
	4/10/16 23:13	0	0	0		4/10/2016 22:56	-1.5	-0.5	-1	-0.50
	4/10/16 23:28	0	0	0		4/10/2016 23:11	-1.5	-0.5	-1	-0.50
	4/10/1									

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/11/16 0:28	0	0	0		4/11/2016 0:11	-2.5	1	-0.75	-0.38
	4/11/16 0:43	0	0	0		4/11/2016 0:26	-1.5	0	-0.75	-0.38
	4/11/16 0:58	0	0	0		4/11/2016 0:41	-1.5	0	-0.75	-0.38
	4/11/16 1:13	0	0	0		4/11/2016 0:56	-1	0	-0.5	-0.25
	4/11/16 1:28	0	0	0		4/11/2016 1:11	-1.5	0	-0.75	-0.38
	4/11/16 1:43	0	0	0		4/11/2016 1:26	-1	0	-0.5	-0.25
	4/11/16 1:58	0	0	0		4/11/2016 1:41	-1	0	-0.5	-0.25
	4/11/16 2:13	0	0	0		4/11/2016 1:56	-1.5	0	-0.75	-0.38
	4/11/16 2:28	0	0	0		4/11/2016 2:11	-2	0.5	-0.75	-0.38
	4/11/16 2:43	0	0	0		4/11/2016 2:26	-1.5	0	-0.75	-0.38
	4/11/16 2:58	0	0	0		4/11/2016 2:41	-1.5	0	-0.75	-0.38
	4/11/16 3:13	0	0	0		4/11/2016 2:56	-2.5	0.5	-1	-0.50
	4/11/16 3:28	0	0	0		4/11/2016 3:11	-2	0	-1	-0.50
	4/11/16 3:43	-0.5	0	-0.25		4/11/2016 3:26	-3	1	-1	-0.63
	4/11/16 3:58	0	0	0		4/11/2016 3:41	-2.5	1	-0.75	-0.38
	4/11/16 4:13	0	0	0		4/11/2016 3:56	-2	0.5	-0.75	-0.38
	4/11/16 4:28	0	0	0		4/11/2016 4:11	-1.5	0	-0.75	-0.38
	4/11/16 4:43	0	0	0		4/11/2016 4:26	-1.5	0.5	-0.5	-0.25
	4/11/16 4:58	0	0	0		4/11/2016 4:41	-2	1	-0.5	-0.25
	4/11/16 5:13	0	0	0		4/11/2016 4:56	-1.5	0.5	-0.5	-0.25
	4/11/16 5:28	0	0	0		4/11/2016 5:11	-1.5	0.5	-0.5	-0.25
	4/11/16 5:43	0	0	0		4/11/2016 5:26	-1.5	0.5	-0.5	-0.25
	4/11/16 5:58	0	0	0		4/11/2016 5:41	-2	0	-1	-0.50
	4/11/16 6:13	0	0	0		4/11/2016 5:56	-1.5	0.5	-0.5	-0.25
	4/11/16 6:28	0	0	0		4/11/2016 6:11	-1.5	0.5	-0.5	-0.25
	4/11/16 6:43	0	0	0		4/11/2016 6:26	-1.5	0.5	-0.5	-0.25
	4/11/16 6:58	0	0	0		4/11/2016 6:41	-1.5	0.5	-0.5	-0.25
	4/11/16 7:13	0	0	0		4/11/2016 6:56	-2	0.5	-0.75	-0.38
	4/11/16 7:28	0	0	0		4/11/2016 7:11	-1.5	0.5	-0.5	-0.25
	4/11/16 7:43	0	0	0		4/11/2016 7:26	-1	0.5	-0.25	-0.13
	4/11/16 7:58	0	0	0		4/11/2016 7:41	-2	0.5	-0.75	-0.38
	4/11/16 8:13	0	0	0		4/11/2016 7:56	-1.5	0	-0.75	-0.38
	4/11/16 8:28	0	0	0		4/11/2016 8:11	-1	0	-0.5	-0.25
	4/11/16 8:43	0	0	0		4/11/2016 8:26	-1.5	0.5	-0.5	-0.25
	4/11/16 8:58	0	0	0		4/11/2016 8:41	-1	0	-0.5	-0.25
	4/11/16 9:13	0	0	0		4/11/2016 8:56	-1	0	-0.5	-0.25
	4/11/16 9:28	0	0	0		4/11/2016 9:11	-1	0	-0.5	-0.25
	4/11/16 9:43	0	0	0		4/11/2016 9:26	-1.5	0.5	-0.5	-0.25
	4/11/16 9:58	0	0	0		4/11/2016 9:41	-1	0	-0.5	-0.25
	4/11/16 10:13	0	0	0		4/11/2016 9:56	-1.5	0.5	-0.5	-0.25
	4/11/16 10:28	0	0	0		4/11/2016 10:11	-2.5	0.5	-1	-0.50
	4/11/16 10:43	0	0	0		4/11/2016 10:26	-1	0	-0.5	-0.25
	4/11/16 10:58	0	0	0		4/11/2016 10:41	-1.5	1	-0.25	-0.13
	4/11/16 11:13	0	0	0		4/11/2016 10:56	-1.5	0.5	-0.5	-0.25
	4/11/16 11:28	0	0	0		4/11/2016 11:11	-2	0.5	-0.75	-0.38
	4/11/16 11:43	0	0	0		4/11/2016 11:26	-1.5	0.5	-0.5	-0.25
	4/11/16 11:58	0	0	0		4/11/2016 11:41	-1.5	0.5	-0.5	-0.25
	4/11/16 12:13	0	0	0		4/11/2016 11:56	-2	0.5	-0.75	-0.38
	4/11/16 12:28	0	0	0		4/11/2016 12:11	-2.5	0.5	-1	-0.50
	4/11/16 12:43	0	0	0		4/11/2016 12:26	-2.5	1.5	-0.5	-0.25
	4/11/16 12:58	0	0	0		4/11/2016 12:41	-2	1	-0.5	-0.25
	4/11/16 13:13	0	0	0		4/11/2016 12:56	-1.5	1	-0.25	-0.13
	4/11/16 13:28	0	0	0		4/11/2016 13:11	-2	1	-0.5	-0.25
	4/11/16 13:43	0	0	0		4/11/2016 13:26	-2	0.5	-0.75	-0.38
	4/11/16 13:58	0	0	0		4/11/2016 13:41	-2.5	1.5	-0.5	-0.25
	4/11/16 14:13	0	0	0		4/11/2016 13:56	-2	1.5	-0.25	-0.13
	4/11/16 14:28	0	0	0		4/11/2016 14:11	-1.5	1	-0.25	-0.13
	4/11/16 14:43	0	0	0		4/11/2016 14:26	-2	1.5	-0.25	-0.13
	4/11/16 14:58	0	0	0		4/11/2016 14:41	-1.5	0.5	-0.5	-0.25
	4/11/16 15:13	0	0	0		4/11/2016 14:56	-3	1	-1	-0.50
	4/11/16 15:28	0	0	0		4/11/2016 15:11	-2	1.5	-0.25	-0.13
	4/11/16 15:43	0	0	0		4/11/2016 15:26	-2.5	1	-0.75	-0.38
	4/11/16 15:58	0	0	0		4/11/2016 15:41	-1.5	0.5	-0.5	-0.25
	4/11/16 16:13	0	0	0		4/11/2016 15:56	-1	0	-0.5	-0.25
	4/11/16 16:28	0	0	0		4/11/2016 16:11	-2	1	-0.5	-0.25
	4/11/16 16:43	0	0	0		4/11/2016 16:26	-2.5	1	-0.75	-0.38
	4/11/16 16:58	0	0	0		4/11/2016 16:41	-1.5	0	-0.75	-0.38
	4/11/16 17:13	0	0	0		4/11/2016 16:56	-1	0.5	-0.25	-0.13
	4/11/16 17:28	0	0	0		4/11/2016 17:11	-1	0.5	-0.25	-0.13
	4/11/16 17:43	0	0	0		4/11/2016 17:26	-1.5	1	-0.25	-0.13
	4/11/16 17:58	0	0	0		4/11/2016 17:41	-2	0	-1	-0.50
	4/11/16 18:13	0	0	0		4/11/2016 17:56	-1	0	-0.5	-0.25
	4/11/16 18:28	0	0	0		4/11/2016 18:11	-1.5	0.5	-0.5	-0.25
	4/11/16 18:43	0	0	0		4/11/2016 18:26	-1	0	-0.5	-0.25
	4/11/16 18:58	0	0	0		4/11/2016 18:41	-0.5	0	-0.25	-0.13
	4/11/16 19:13	0	0	0		4/11/2016 18:56	-0.5	0	-0.25	-0.13
	4/11/16 19:28	0	0	0		4/11/2016 19:11	-0.5	0	-0.25	-0.13
	4/11/16 19:43	0	0	0		4/11/2016 19:26	-0.5	0	-0.25	-0.13
	4/11/16 19:58	0	0	0		4/11/2016 19:41	-0.5	0	-0.25	-0.13
	4/11/16 20:13	0	0	0		4/11/2016 19:56	-0.5	0	-0.25	-0.13
	4/11/16 20:28	0	0	0		4/11/2016 20:11	-0.5	0	-0.25	-0.13
	4/11/16 20:43	0	0	0		4/11/2016 20:26	-0.5	0	-0.25	-0.13
	4/11/16 20:58	0	0	0		4/11/2016 20:41	-0.5	0	-0.25	-0.13
	4/11/16 21:13	0	0	0		4/11/2016 20:56	-0.5	0	-0.25	-0.13
	4/11/16 21:28	0	0	0		4/11/2016 21:11	-0.5	0	-0.25	-0.13
	4/11/16 21:43	0	0	0		4/11/2016 21:26	-1.5	0.5	-0.5	-0.25
	4/11/16 21:58	0	0	0		4/11/2016 21:41	-1	0	-0.5	-0.25
	4/11/16 22:13	0	0	0		4/11/2016 21:56	-1	0.5	-0.25	-0.13
	4/11/16 22:28	0	0	0		4/11/2016 22:11	-0.5	0	-0.25	-0.13
	4/11/16 22:43	0	0	0		4/11/2016 22:26	-0.5	0	-0.25	-0.13
	4/11/16 22:58	0	0	0		4/11/2016 22:41	-0.5	0	-0.25	-0.13
	4/11/16 23:13	0	0	0		4/11/2016 22:56	-0.5	0	-0.25	-0.13
	4/11/16 23:28	0	0	0		4/11/2016 23:11	-0.5	0	-0.25	-0.13
	4/11/16 23:43	0	0	0		4/11/2016 23:26	-0.5	0	-0.25	-0.13
	4/11/16 23:58	0	0	0		4/11/2016 23:41	-1	0	-0.5	-0.25
	4/12/16 0:13	0	0	0		4/11/2016 23:56	-1	0	-0.5	-0.25
	4/12/16 0:28	0	0	0		4/12/2016 0:11	-1	0	-0.5	-0.25
	4/12/16 0:43	0	0	0		4/12/2016 0:26	-2	0	-1	-0.50
	4/12/16 0:58	0	0	0		4/12/2016 0:41	-1.5	0	-0.75	-0.38
	4/12/16 1:13	0	0	0		4/12/2016 0:56	-1.5	0	-0.75	-0.38
	4/12/16 1:28	0	0	0		4/12/2016 1:11	-1	0	-0.5	-0.25
	4/12/16 1:43	0	0	0		4/12/2016 1:26	-1	0	-0.5	-0.25
	4/12/16 1:58	0	0	0		4/12/2016 1:41	-1	0	-0.5	-0.25
	4/12/16 2:13	0	0	0		4/12/2016 1:56	-1.5	0	-0.75	-0.38
	4/12/16 2:28	0	0	0		4/12/2016 2:11	-1.5	0	-0.75	-0.38
	4/12/16 2:43	0	0	0		4/12/2016 2:26	-1	0	-0.5	-0.25
	4/12/16 2:58	0	0	0		4/12/2016 2:41	-1	0	-0.5	-0.25
	4/12/16 3:13	0	0	0		4/12/2016 2:56	-1	0	-0.5	-0.25
	4/12/16 3:28	0	0	0		4/12/2016 3:11	-1	-0.5	-0.75	-0.38
	4/12/16 3:43	0	0	0		4/12/2016 3:26	-1	0	-0.5	-0.25
	4/12/16 3:58	0	0	0		4/12/2016 3:41	-1	-0.5	-0.75	-0.38
	4/12/16 4:13	0	0	0		4/12/2016 3:56	-1	-0.5	-0.75	-0.38
	4/12/16 4:28	0	0	0		4/12/2016 4:11	-1	-0.5	-0.75	-0.38
	4/12/16 4:43	0	0	0		4/12/2016 4:26	-1	-0.5	-0.75	-0.38
	4/12/16 4:58	0	0	0		4/12/2016 4:41	-1	-0.5	-0.75	-0.38
	4/12/16 5:13	0	0	0		4/12/2016 4:56	-1	-0.5	-0.75	-0.38
	4/12/16 5:28	0	0	0		4/12/2016 5:11	-1	-0.5	-0.75	-0.38
	4/12/16 5:43	0	0	0		4/12/2016 5:26	-1	-0.5	-0.75	-0.38
	4/12/16 5:58	0	0	0		4/12/2016 5:41	-1	-0.5	-0.75	-0.38
	4/12/16 6:13	0	0	0		4/12/2016 5:56	-1	-0.5	-0.75	-0.38
	4/12/16 6:28	0	0	0		4/12/2016 6:11	-1			

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/12/16 7:28	0	0	0		4/12/2016 7:11	-1	-0.5	-0.75	-0.38
	4/12/16 7:43	0	0	0		4/12/2016 7:26	-1	-0.5	-0.75	-0.38
	4/12/16 7:58	0	0	0		4/12/2016 7:41	-1	-0.5	-0.75	-0.38
	4/12/16 8:13	0	0	0		4/12/2016 7:56	-1	-0.5	-0.75	-0.38
	4/12/16 8:28	0	0	0		4/12/2016 8:11	-1	-0.5	-0.75	-0.38
	4/12/16 8:43	0	0	0		4/12/2016 8:26	-1	-0.5	-0.75	-0.38
	4/12/16 8:58	0	0	0		4/12/2016 8:41	-1.5	-0.5	-1	-0.50
	4/12/16 9:13	0	0	0		4/12/2016 8:56	-1.5	-0.5	-1	-0.50
	4/12/16 9:28	0	0	0		4/12/2016 9:11	-1	-0.5	-0.75	-0.38
	4/12/16 9:43	0	0	0		4/12/2016 9:26	-1.5	0	-0.75	-0.38
	4/12/16 9:58	0	0	0		4/12/2016 9:41	-2	0	-1	-0.50
	4/12/16 10:13	0	0	0		4/12/2016 9:56	-2.5	0	-1.25	-0.63
	4/12/16 10:28	0	0	0		4/12/2016 10:11	-2.5	0	-1.25	-0.63
	4/12/16 10:43	0	0	0		4/12/2016 10:26	-3	0	-1.5	-0.75
	4/12/16 10:58	0	0	0		4/12/2016 10:41	-2	0	-1	-0.50
	4/12/16 11:13	0	0	0		4/12/2016 10:56	-1.5	0	-0.75	-0.38
	4/12/16 11:28	0	0	0		4/12/2016 11:11	-3	0.5	-1.25	-0.63
	4/12/16 11:43	0	0	0		4/12/2016 11:26	-2	0	-1	-0.50
	4/12/16 11:58	0	0	0		4/12/2016 11:41	-2	0	-1	-0.50
	4/12/16 12:13	0	0	0		4/12/2016 11:56	-2.5	0.5	-1	-0.50
	4/12/16 12:28	0	0	0		4/12/2016 12:11	-3	0.5	-1.25	-0.63
	4/12/16 12:43	0	0	0		4/12/2016 12:26	-3.5	0	-1.75	-0.88
	4/12/16 12:58	0	0	0		4/12/2016 12:41	-3	0.5	-1.25	-0.63
	4/12/16 13:13	0	0	0		4/12/2016 12:56	-3	0	-1.5	-0.75
	4/12/16 13:28	0	0	0		4/12/2016 13:11	-4	1	-1.5	-0.75
	4/12/16 13:43	0	0	0		4/12/2016 13:26	-3	0	-1.5	-0.75
	4/12/16 13:58	0	0	0		4/12/2016 13:41	-2.5	0.5	-1	-0.50
	4/12/16 14:13	0	0	0		4/12/2016 13:56	-2.5	0	-1.25	-0.63
	4/12/16 14:28	0	0	0		4/12/2016 14:11	-2	0	-1	-0.50
	4/12/16 14:43	0	0	0		4/12/2016 14:26	-2	0.5	-0.75	-0.38
	4/12/16 14:58	0	0	0		4/12/2016 14:41	-2.5	0	-1.25	-0.63
	4/12/16 15:13	0	0	0		4/12/2016 14:56	-2	0	-1	-0.50
	4/12/16 15:28	0	0	0		4/12/2016 15:11	-2	0	-1	-0.50
	4/12/16 15:43	0	0	0		4/12/2016 15:26	-3	0	-1.5	-0.75
	4/12/16 15:58	0	0	0		4/12/2016 15:41	-2	0	-1	-0.50
	4/12/16 16:13	0	0	0		4/12/2016 15:56	-2	0	-1	-0.50
	4/12/16 16:28	0	0	0		4/12/2016 16:11	-2.5	-0.5	-1.5	-0.75
	4/12/16 16:43	0	0	0		4/12/2016 16:26	-2	0	-1	-0.50
	4/12/16 16:58	0	0	0		4/12/2016 16:41	-2	0	-1	-0.50
	4/12/16 17:13	0	0	0		4/12/2016 16:56	-2.5	0	-1.25	-0.63
	4/12/16 17:28	0	0	0		4/12/2016 17:11	-2.5	0.5	-1	-0.50
	4/12/16 17:43	0	0	0		4/12/2016 17:26	-2.5	0	-1.25	-0.63
	4/12/16 17:58	0	0	0		4/12/2016 17:41	-2	0	-1	-0.50
	4/12/16 18:13	0	0	0		4/12/2016 17:56	-2	0	-1	-0.50
	4/12/16 18:28	0	0	0		4/12/2016 18:11	-2	0	-1	-0.50
	4/12/16 18:43	0	0	0		4/12/2016 18:26	-1.5	0	-0.75	-0.38
	4/12/16 18:58	0	0	0		4/12/2016 18:41	-2	-0.5	-1.25	-0.63
	4/12/16 19:13	0	0	0		4/12/2016 18:56	-1.5	-0.5	-1	-0.50
	4/12/16 19:28	0	0	0		4/12/2016 19:11	-1.5	-0.5	-1	-0.50
	4/12/16 19:43	0	0	0		4/12/2016 19:26	-1.5	0	-0.75	-0.38
	4/12/16 19:58	0	0	0		4/12/2016 19:41	-1	-0.5	-0.75	-0.38
	4/12/16 20:13	0	0	0		4/12/2016 19:56	-1.5	-0.5	-1	-0.50
	4/12/16 20:28	0	0	0		4/12/2016 20:11	-1	-0.5	-0.75	-0.38
	4/12/16 20:43	0	0	0		4/12/2016 20:26	-1	-0.5	-0.75	-0.38
	4/12/16 20:58	0	0	0		4/12/2016 20:41	-1	-0.5	-0.75	-0.38
	4/12/16 21:13	0	0	0		4/12/2016 20:56	-1	-0.5	-0.75	-0.38
	4/12/16 21:28	0	0	0		4/12/2016 21:11	-1	-0.5	-0.75	-0.38
	4/12/16 21:43	0	0	0		4/12/2016 21:26	-1	-0.5	-0.75	-0.38
	4/12/16 21:58	0	0	0		4/12/2016 21:41	-1	-0.5	-0.75	-0.38
	4/12/16 22:13	0	0	0		4/12/2016 21:56	-1	-0.5	-0.75	-0.38
	4/12/16 22:28	0	0	0		4/12/2016 22:11	-1	-0.5	-0.75	-0.38
	4/12/16 22:43	0	0	0		4/12/2016 22:26	-1	-0.5	-0.75	-0.38
	4/12/16 22:58	0	0	0		4/12/2016 22:41	-1	-1	-1	-0.50
	4/12/16 23:13	0	0	0		4/12/2016 22:56	-1	-1	-1	-0.50
	4/12/16 23:28	0	0	0		4/12/2016 23:11	-1	-0.5	-0.75	-0.38
	4/12/16 23:43	0	0	0		4/12/2016 23:26	-1	-1	-1	-0.50
	4/12/16 23:58	0	0	0		4/12/2016 23:41	-1	-1	-1	-0.50
	4/13/16 0:13	0	0	0		4/12/2016 23:56	-1	-1	-1	-0.50
	4/13/16 0:28	0	0	0		4/13/2016 0:11	-1	-1	-1	-0.50
	4/13/16 0:43	0	0	0		4/13/2016 0:26	-1	-0.5	-0.75	-0.38
	4/13/16 0:58	0	0	0		4/13/2016 0:41	-1	-1	-1	-0.50
	4/13/16 1:13	0	0	0		4/13/2016 0:56	-1	-1	-1	-0.50
	4/13/16 1:28	0	0	0		4/13/2016 1:11	-1	-1	-1	-0.50
	4/13/16 1:43	0	0	0		4/13/2016 1:26	-1	-1	-1	-0.50
	4/13/16 1:58	0	0	0		4/13/2016 1:41	-1	-1	-1	-0.50
	4/13/16 2:13	0	0	0		4/13/2016 1:56	-1	-1	-1	-0.50
	4/13/16 2:28	0	0	0		4/13/2016 2:11	-1	-1	-1	-0.50
	4/13/16 2:43	0	0	0		4/13/2016 2:26	-1.5	-1	-1.25	-0.63
	4/13/16 2:58	0	0	0		4/13/2016 2:41	-1.5	-1	-1.25	-0.63
	4/13/16 3:13	0	0	0		4/13/2016 2:56	-1	-1	-1	-0.50
	4/13/16 3:28	0	0	0		4/13/2016 3:11	-1.5	-1	-1.25	-0.63
	4/13/16 3:43	0	0	0		4/13/2016 3:26	-1	-1	-1	-0.50
	4/13/16 3:58	0	0	0		4/13/2016 3:41	-1.5	-1	-1.25	-0.63
	4/13/16 4:13	0	0	0		4/13/2016 3:56	-1	-1	-1	-0.50
	4/13/16 4:28	0	0	0		4/13/2016 4:11	-1	-1	-1	-0.50
	4/13/16 4:43	0	0	0		4/13/2016 4:26	-1	-1	-1	-0.50
	4/13/16 4:58	0	0	0		4/13/2016 4:41	-1.5	-1	-1.25	-0.63
	4/13/16 5:13	0	0	0		4/13/2016 4:56	-1	-1	-1	-0.50
	4/13/16 5:28	0	0	0		4/13/2016 5:11	-1.5	-1	-1.25	-0.63
	4/13/16 5:43	0	0	0		4/13/2016 5:26	-1	-1	-1	-0.50
	4/13/16 5:58	0	0	0		4/13/2016 5:41	-1	-1	-1	-0.50
	4/13/16 6:13	0	0	0		4/13/2016 5:56	-1	-1	-1	-0.50
	4/13/16 6:28	0	0	0		4/13/2016 6:11	-1.5	-1	-1.25	-0.63
	4/13/16 6:43	0	0	0		4/13/2016 6:26	-1.5	-1	-1.25	-0.63
	4/13/16 6:58	0	0	0		4/13/2016 6:41	-1.5	-1	-1.25	-0.63
	4/13/16 7:13	0	0	0		4/13/2016 6:56	-1.5	-1	-1.25	-0.63
	4/13/16 7:28	0	0	0		4/13/2016 7:11	-1	-1	-1	-0.50
	4/13/16 7:43	0	0	0		4/13/2016 7:26	-1.5	-1	-1.25	-0.63
	4/13/16 7:58	0	0	0		4/13/2016 7:41	-1	-1	-1	-0.50
	4/13/16 8:13	0	0	0		4/13/2016 7:56	-1	-1	-1	-0.50
	4/13/16 8:28	0	0	0		4/13/2016 8:11	-1	-1	-1	-0.50
	4/13/16 8:43	0	0	0		4/13/2016 8:26	-1	-0.5	-0.75	-0.38
	4/13/16 8:58	0	0	0		4/13/2016 8:41	-1	-0.5	-0.75	-0.38
	4/13/16 9:13	0	0	0		4/13/2016 8:56	-1	-0.5	-0.75	-0.38
	4/13/16 9:28	0	0	0		4/13/2016 9:11	-1	-0.5	-0.75	-0.38
	4/13/16 9:43	0	0	0		4/13/2016 9:26	-1	-0.5	-0.75	-0.38
	4/13/16 9:58	0	0	0		4/13/2016 9:41	-1	-0.5	-0.75	-0.38
	4/13/16 10:13	0	0	0		4/13/2016 9:56	-1.5	-0.5	-1	-0.50
	4/13/16 10:28	0	0	0		4/13/2016 10:11	-1.5	0	-0.75	-0.38
	4/13/16 10:43	0	0	0		4/13/2016 10:26	-1.5	0	-0.75	-0.38
	4/13/16 10:58	0	0	0		4/13/2016 10:41	-1.5	-0.5	-1	-0.50
	4/13/16 11:13	0	0	0		4/13/2016 10:56	-1.5	-0.5	-1	-0.50
	4/13/16 11:28	0	0	0		4/13/2016 11:11	-1	-0.5	-0.75	-0.38
	4/13/16 11:43	0	0	0		4/13/2016 11:26	-1	0	-0.5	-0.25
	4/13/16 11:58	0	0	0		4/13/2016 11:41	-1.5	-0.5	-1	-0.50
	4/13/16 12:13	0	0	0		4/13/2016 11:56	-1	-0.5	-0.75	-0.38
	4/13/16 12:28	0	0	0		4/13/2016 12:11	-1	0	-0.5	-0.25
	4/13/16 12:43	0	0	0		4/13/2016 12:26	-1	0	-0.5	-0.25
	4/13/16 12:58	0	0	0		4/13/2016 12:41	-1.5	0	-0.75	-0.38
	4/13/16 13:13	0	0	0		4/13/2016 12:56	-1.5	0	-0.75	-0.38
	4/13/16 13:28	0	0	0		4/13/2016 13:11	-1	0	-0.5	-0.25
	4/13/16 13:43	0	0	0		4/13/2016 13:26	-1.5	-0.5	-1	-0.50</

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building

Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/13/16 14:28	0	0	0		4/13/2016 14:11	-1.5	-0.5	-1	-0.50
	4/13/16 14:43	0	0	0		4/13/2016 14:26	-1.5	-0.5	-1	-0.50
	4/13/16 14:58	0	0	0		4/13/2016 14:41	-1.5	-0.5	-1	-0.50
	4/13/16 15:13	0	0	0		4/13/2016 14:56	-1	-0.5	-0.75	-0.38
	4/13/16 15:28	0	0	0		4/13/2016 15:11	-1	-0.5	-0.75	-0.38
	4/13/16 15:43	0	0	0		4/13/2016 15:26	-1	-0.5	-0.75	-0.38
	4/13/16 15:58	0	0	0		4/13/2016 15:41	-1	-0.5	-0.75	-0.38
	4/13/16 16:13	0	0	0		4/13/2016 15:56	-1	0	-0.5	-0.25
	4/13/16 16:28	0	0	0		4/13/2016 16:11	-1.5	0	-0.75	-0.38
	4/13/16 16:43	0	0	0		4/13/2016 16:26	-1	-0.5	-0.75	-0.38
	4/13/16 16:58	0	0	0		4/13/2016 16:41	-1	0	-0.5	-0.25
	4/13/16 17:13	0	0	0		4/13/2016 16:56	-1	0	-0.5	-0.25
	4/13/16 17:28	0	0	0		4/13/2016 17:11	-1	0	-0.5	-0.25
	4/13/16 17:43	0	0	0		4/13/2016 17:26	-1	0	-0.5	-0.25
	4/13/16 17:58	0	0	0		4/13/2016 17:41	-1	-0.5	-0.75	-0.38
	4/13/16 18:13	0	0	0		4/13/2016 17:56	-1	-0.5	-0.75	-0.38
	4/13/16 18:28	0	0	0		4/13/2016 18:11	-1	-0.5	-0.75	-0.38
	4/13/16 18:43	0	0	0		4/13/2016 18:26	-1	-0.5	-0.75	-0.38
	4/13/16 18:58	0	0	0		4/13/2016 18:41	-1	-0.5	-0.75	-0.38
	4/13/16 19:13	0	0	0		4/13/2016 18:56	-1.5	0	-0.75	-0.38
	4/13/16 19:28	0	0	0		4/13/2016 19:11	-1	-0.5	-0.75	-0.38
	4/13/16 19:43	0	0	0		4/13/2016 19:26	-1	-0.5	-0.75	-0.38
	4/13/16 19:58	0	0	0		4/13/2016 19:41	-0.5	-0.5	-0.5	-0.25
	4/13/16 20:13	0	0	0		4/13/2016 19:56	-0.5	-0.5	-0.5	-0.25
	4/13/16 20:28	0	0	0		4/13/2016 20:11	-1	-0.5	-0.75	-0.38
	4/13/16 20:43	0	0	0		4/13/2016 20:26	-0.5	-0.5	-0.5	-0.25
	4/13/16 20:58	0	0	0		4/13/2016 20:41	-1	-0.5	-0.75	-0.38
	4/13/16 21:13	0	0	0		4/13/2016 20:56	-1	-0.5	-0.75	-0.38
	4/13/16 21:28	0	0	0		4/13/2016 21:11	-1	-0.5	-0.75	-0.38
	4/13/16 21:43	0	0	0		4/13/2016 21:26	-1	-0.5	-0.75	-0.38
	4/13/16 21:58	0	0	0		4/13/2016 21:41	-1	-0.5	-0.75	-0.38
	4/13/16 22:13	0	0	0		4/13/2016 21:56	-1	-0.5	-0.75	-0.38
	4/13/16 22:28	0	0	0		4/13/2016 22:11	-1	-0.5	-0.75	-0.38
	4/13/16 22:43	0	0	0		4/13/2016 22:26	-1	-0.5	-0.75	-0.38
	4/13/16 22:58	0	0	0		4/13/2016 22:41	-1	-0.5	-0.75	-0.38
	4/13/16 23:13	0	0	0		4/13/2016 22:56	-1	-0.5	-0.75	-0.38
	4/13/16 23:28	0	0	0		4/13/2016 23:11	-1	-0.5	-0.75	-0.38
	4/13/16 23:43	0	0	0		4/13/2016 23:26	-1	-0.5	-0.75	-0.38
	4/13/16 23:58	0	0	0		4/13/2016 23:41	-1	-0.5	-0.75	-0.38
	4/14/16 0:13	0	0	0		4/13/2016 23:56	-1	-0.5	-0.75	-0.38
	4/14/16 0:28	0	0	0		4/14/2016 0:11	-1	-0.5	-0.75	-0.38
	4/14/16 0:43	0	0	0		4/14/2016 0:26	-1	-0.5	-0.75	-0.38
	4/14/16 0:58	0	0	0		4/14/2016 0:41	-1	-0.5	-0.75	-0.38
	4/14/16 1:13	0	0	0		4/14/2016 0:56	-1	-0.5	-0.75	-0.38
	4/14/16 1:28	0	0	0		4/14/2016 1:11	-1	-0.5	-0.75	-0.38
	4/14/16 1:43	0	0	0		4/14/2016 1:26	-1	-0.5	-0.75	-0.38
	4/14/16 1:58	0	0	0		4/14/2016 1:41	-1	-0.5	-0.75	-0.38
	4/14/16 2:13	0	0	0		4/14/2016 1:56	-1	-0.5	-0.75	-0.38
	4/14/16 2:28	0	0	0		4/14/2016 2:11	-1	-1	-1	-0.50
	4/14/16 2:43	0	0	0		4/14/2016 2:26	-1	-1	-1	-0.50
	4/14/16 2:58	0	0	0		4/14/2016 2:41	-1	-1	-1	-0.50
	4/14/16 3:13	0	0	0		4/14/2016 2:56	-1	-1	-1	-0.50
	4/14/16 3:28	0	0	0		4/14/2016 3:11	-1	-0.5	-0.75	-0.38
	4/14/16 3:43	0	0	0		4/14/2016 3:26	-1	-1	-1	-0.50
	4/14/16 3:58	0	0	0		4/14/2016 3:41	-1	-1	-1	-0.50
	4/14/16 4:13	0	0	0		4/14/2016 3:56	-1	-1	-1	-0.50
	4/14/16 4:28	0	0	0		4/14/2016 4:11	-1	-1	-1	-0.50
	4/14/16 4:43	0	0	0		4/14/2016 4:26	-1	-0.5	-0.75	-0.38
	4/14/16 4:58	0	0	0		4/14/2016 4:41	-1	-1	-1	-0.50
	4/14/16 5:13	0	0	0		4/14/2016 4:56	-1	-1	-1	-0.50
	4/14/16 5:28	0	0	0		4/14/2016 5:11	-1	-0.5	-0.75	-0.38
	4/14/16 5:43	0	0	0		4/14/2016 5:26	-1	-1	-1	-0.50
	4/14/16 5:58	0	0	0		4/14/2016 5:41	-1	-1	-1	-0.50
	4/14/16 6:13	0	0	0		4/14/2016 5:56	-1	-1	-1	-0.50
	4/14/16 6:28	0	0	0		4/14/2016 6:11	-1	-0.5	-0.75	-0.38
	4/14/16 6:43	0	0	0		4/14/2016 6:26	-1	-0.5	-0.75	-0.38
	4/14/16 6:58	0	0	0		4/14/2016 6:41	-1	-1	-1	-0.50
	4/14/16 7:13	0	0	0		4/14/2016 6:56	-1	-0.5	-0.75	-0.38
	4/14/16 7:28	0	0	0		4/14/2016 7:11	-1	-1	-1	-0.50
	4/14/16 7:43	0	0	0		4/14/2016 7:26	-1	-1	-1	-0.50
	4/14/16 7:58	0	0	0		4/14/2016 7:41	-1	-1	-1	-0.50
	4/14/16 8:13	0	0	0		4/14/2016 7:56	-1	-0.5	-0.75	-0.38
	4/14/16 8:28	0	0	0		4/14/2016 8:11	-1	-0.5	-0.75	-0.38
	4/14/16 8:43	0	0	0		4/14/2016 8:26	-1	-0.5	-0.75	-0.38
	4/14/16 8:58	0	0	0		4/14/2016 8:41	-1	-0.5	-0.75	-0.38
	4/14/16 9:13	0	0	0		4/14/2016 8:56	-1	-0.5	-0.75	-0.38
	4/14/16 9:28	0	0	0		4/14/2016 9:11	-1	-0.5	-0.75	-0.38
	4/14/16 9:43	0	0	0		4/14/2016 9:26	-1	-0.5	-0.75	-0.38
	4/14/16 9:58	0	0	0		4/14/2016 9:41	-1	-0.5	-0.75	-0.38
	4/14/16 10:13	0	0	0		4/14/2016 9:56	-1	-0.5	-0.75	-0.38
	4/14/16 10:28	0	0	0		4/14/2016 10:11	-1	0	-0.5	-0.25
	4/14/16 10:43	0	0	0		4/14/2016 10:26	-1	0	-0.5	-0.25
	4/14/16 10:58	0	0	0		4/14/2016 10:41	-1	0	-0.5	-0.25
Moved to ITS	4/14/16 11:17	-1	0.5	-0.25		4/14/2016 10:56	-0.5	0	-0.25	-0.25
	4/14/16 11:32	-1	0.5	-0.25		4/14/2016 11:11	-1	0	-0.5	-0.38
	4/14/16 11:47	-1	0	-0.5		4/14/2016 11:26	-1	0	-0.5	-0.50
	4/14/16 12:02	-0.5	0	-0.25		4/14/2016 11:41	-1	0	-0.5	-0.38
	4/14/16 12:17	-0.5	0	-0.25		4/14/2016 11:56	-1.5	0	-0.75	-0.50
	4/14/16 12:32	-0.5	0	-0.25		4/14/2016 12:11	-1	0	-0.5	-0.38
	4/14/16 12:47	-0.5	0	-0.25		4/14/2016 12:26	-1	0	-0.5	-0.38
	4/14/16 13:02	-1	0.5	-0.25		4/14/2016 12:41	-1.5	0	-0.75	-0.50
	4/14/16 13:17	-0.5	0	-0.25		4/14/2016 12:56	-1.5	1.5	0	-0.13
	4/14/16 13:32	-0.5	0	-0.25		4/14/2016 13:11	-2	1.5	-0.25	-0.25
	4/14/16 13:47	-0.5	0.5	0		4/14/2016 13:26	-1.5	0	-0.75	-0.38
	4/14/16 14:02	-0.5	0	-0.25		4/14/2016 13:41	-2	1	-0.5	-0.38
	4/14/16 14:17	-0.5	0	-0.25		4/14/2016 13:56	-1.5	0.5	-0.5	-0.38
	4/14/16 14:32	-1.5	2	0.25		4/14/2016 14:11	-1.5	0.5	-0.5	-0.13
	4/14/16 14:47	-0.5	0	-0.25		4/14/2016 14:26	-1.5	0.5	-0.5	-0.38
	4/14/16 15:02	-0.5	0	-0.25		4/14/2016 14:41	-1.5	0.5	-0.5	-0.38
	4/14/16 15:17	-0.25	0	-0.125		4/14/2016 14:56	-1.5	0	-0.75	-0.50
	4/14/16 15:32	0	0	0		4/14/2016 15:11	-0.5	0	-0.25	-0.13
	4/14/16 15:47	-0.5	0	-0.25		4/14/2016 15:26	-1.5	0	-0.75	-0.50
	4/14/16 16:02	-0.5	0	-0.25		4/14/2016 15:41	-1	0	-0.5	-0.38
	4/14/16 16:17	-0.5	0	-0.25		4/14/2016 15:56	-0.5	0	-0.25	-0.25
	4/14/16 16:32	-0.25	0	-0.125		4/14/2016 16:11				

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/14/16 21:32	0	0	0		4/14/2016 21:11	-0.5	0	-0.25	-0.13
	4/14/16 21:47	0	0	0		4/14/2016 21:26	-0.5	0	-0.25	-0.13
	4/14/16 22:02	0	0	0		4/14/2016 21:41	-0.5	0	-0.25	-0.13
	4/14/16 22:17	-0.5	0	-0.25		4/14/2016 21:56	-0.5	0	-0.25	-0.25
	4/14/16 22:32	-0.5	0	-0.25		4/14/2016 22:11	-0.5	0	-0.25	-0.25
	4/14/16 22:47	-0.5	0	-0.25		4/14/2016 22:26	-0.5	-0.5	-0.5	-0.38
	4/14/16 23:02	-0.5	0	-0.25		4/14/2016 22:41	-0.5	-0.5	-0.5	-0.38
	4/14/16 23:17	-0.5	0	-0.25		4/14/2016 22:56	-0.5	-0.5	-0.5	-0.38
	4/14/16 23:32	-0.5	0	-0.25		4/14/2016 23:11	-0.5	-0.5	-0.5	-0.38
	4/14/16 23:47	-0.5	0	-0.25		4/14/2016 23:26	-0.5	-0.5	-0.5	-0.38
	4/15/16 0:02	-0.5	0	-0.25		4/14/2016 23:41	-0.5	-0.5	-0.5	-0.38
	4/15/16 0:17	-0.5	0	-0.25		4/14/2016 23:56	-1	-0.5	-0.75	-0.50
	4/15/16 0:32	-0.5	0	-0.25		4/15/2016 0:11	-0.5	-0.5	-0.5	-0.38
	4/15/16 0:47	-0.5	0	-0.25		4/15/2016 0:26	-0.5	0	-0.25	-0.25
	4/15/16 1:02	-0.5	0	-0.25		4/15/2016 0:41	-1	-0.5	-0.75	-0.50
	4/15/16 1:17	-0.5	0	-0.25		4/15/2016 0:56	-0.5	-0.5	-0.5	-0.38
	4/15/16 1:32	-0.5	0	-0.25		4/15/2016 1:11	-1	-0.5	-0.75	-0.50
	4/15/16 1:47	-0.5	0	-0.25		4/15/2016 1:26	-1	-0.5	-0.75	-0.50
	4/15/16 2:02	-0.5	0	-0.25		4/15/2016 1:41	-1	-0.5	-0.75	-0.50
	4/15/16 2:17	-0.5	0	-0.25		4/15/2016 1:56	-1	-0.5	-0.75	-0.50
	4/15/16 2:32	-0.5	0	-0.25		4/15/2016 2:11	-1	-0.5	-0.75	-0.50
	4/15/16 2:47	-0.5	0	-0.25		4/15/2016 2:26	-1	-0.5	-0.75	-0.50
	4/15/16 3:02	-0.5	0	-0.25		4/15/2016 2:41	-1	-0.5	-0.75	-0.50
	4/15/16 3:17	-0.5	0	-0.25		4/15/2016 2:56	-1	-0.5	-0.75	-0.50
	4/15/16 3:32	-0.5	0	-0.25		4/15/2016 3:11	-1	-0.5	-0.75	-0.50
	4/15/16 3:47	-0.5	0	-0.25		4/15/2016 3:26	-1	-0.5	-0.75	-0.50
	4/15/16 4:02	-0.5	0	-0.25		4/15/2016 3:41	-1	-0.5	-0.75	-0.50
	4/15/16 4:17	-0.5	0	-0.25		4/15/2016 3:56	-1	-0.5	-0.75	-0.50
	4/15/16 4:32	-0.5	0	-0.25		4/15/2016 4:11	-1	-0.5	-0.75	-0.50
	4/15/16 4:47	-0.5	0	-0.25		4/15/2016 4:26	-1	-0.5	-0.75	-0.50
	4/15/16 5:02	-0.5	-0.5	-0.5		4/15/2016 4:41	-1	-0.5	-0.75	-0.63
	4/15/16 5:17	-0.5	0	-0.25		4/15/2016 4:56	-1	-0.5	-0.75	-0.50
	4/15/16 5:32	-0.5	0	-0.25		4/15/2016 5:11	-1	-0.5	-0.75	-0.50
	4/15/16 5:47	-0.5	-0.5	-0.5		4/15/2016 5:26	-1	-0.5	-0.75	-0.63
	4/15/16 6:02	-0.5	-0.5	-0.5		4/15/2016 5:41	-1	-0.5	-0.75	-0.63
	4/15/16 6:17	-0.5	0	-0.25		4/15/2016 5:56	-1	-0.5	-0.75	-0.50
	4/15/16 6:32	-0.5	-0.5	-0.5		4/15/2016 6:11	-1	-0.5	-0.75	-0.63
	4/15/16 6:47	-0.5	-0.5	-0.5		4/15/2016 6:26	-1	-1	-1	-0.75
	4/15/16 7:02	-0.5	0	-0.25		4/15/2016 6:41	-1	-1	-1	-0.63
	4/15/16 7:17	-0.5	-0.5	-0.5		4/15/2016 6:56	-1	-0.5	-0.75	-0.63
	4/15/16 7:32	-0.5	-0.5	-0.5		4/15/2016 7:11	-1	-0.5	-0.75	-0.63
	4/15/16 7:47	-0.5	0	-0.25		4/15/2016 7:26	-1	-0.5	-0.75	-0.50
	4/15/16 8:02	-0.5	0	-0.25		4/15/2016 7:41	-1	-0.5	-0.75	-0.50
	4/15/16 8:17	-0.5	0	-0.25		4/15/2016 7:56	-1	-0.5	-0.75	-0.50
	4/15/16 8:32	-0.5	0	-0.25		4/15/2016 8:11	-1	-0.5	-0.75	-0.50
	4/15/16 8:47	-0.5	0	-0.25		4/15/2016 8:26	-1	-0.5	-0.75	-0.50
	4/15/16 9:02	-0.5	0	-0.25		4/15/2016 8:41	-0.5	-0.5	-0.5	-0.38
	4/15/16 9:17	-0.5	0	-0.25		4/15/2016 8:56	-0.5	-0.5	-0.5	-0.38
	4/15/16 9:32	-0.5	0	-0.25		4/15/2016 9:11	-1	0	-0.5	-0.38
	4/15/16 9:47	-0.5	0	-0.25		4/15/2016 9:26	-0.5	0	-0.25	-0.25
	4/15/16 10:02	-0.5	0	-0.25		4/15/2016 9:41	-0.5	0	-0.25	-0.25
	4/15/16 10:17	-0.5	0.5	0		4/15/2016 9:56	-0.5	0	-0.25	-0.13
	4/15/16 10:32	0	0.5	0.25		4/15/2016 10:11	-1	0.5	-0.25	0.00
	4/15/16 10:47	-1	0.5	-0.25		4/15/2016 10:26	-0.5	0	-0.25	-0.25
	4/15/16 11:02	-0.5	1	0.25		4/15/2016 10:41	-0.5	0.5	0	0.13
	4/15/16 11:17	-0.5	0.5	0		4/15/2016 10:56	-2	2.5	0.25	0.13
	4/15/16 11:32	-0.5	0.5	0		4/15/2016 11:11	-1	0.5	-0.25	-0.25
	4/15/16 11:47	-0.5	0.5	0		4/15/2016 11:26	-1.5	1	-0.25	-0.13
	4/15/16 12:02	-0.5	0	-0.25		4/15/2016 11:41	-1.5	1.5	0	-0.13
	4/15/16 12:17	-0.5	0	-0.25		4/15/2016 11:56	-1	1.5	0.25	0.00
	4/15/16 12:32	0	0	0		4/15/2016 12:11	-1.5	0	-0.75	-0.38
	4/15/16 12:47	-0.5	0	-0.25		4/15/2016 12:26	-1.5	0	-0.75	-0.50
	4/15/16 13:02	-0.5	0	-0.25		4/15/2016 12:41	-1.5	0	-0.75	-0.50
	4/15/16 13:17	-0.5	0	-0.25		4/15/2016 12:56	-1	0.5	-0.25	-0.25
	4/15/16 13:32	-0.5	0	-0.25		4/15/2016 13:11	-2	0.5	-0.75	-0.50
	4/15/16 13:47	0	0	0		4/15/2016 13:26	-1.5	0.5	-0.5	-0.25
	4/15/16 14:02	-0.5	0	-0.25		4/15/2016 13:41	-1	0	-0.5	-0.38
	4/15/16 14:17	-0.5	0.5	0		4/15/2016 13:56	-0.5	0	-0.25	-0.13
	4/15/16 14:32	-0.5	0	-0.25		4/15/2016 14:11	-1.5	0	-0.75	-0.50
	4/15/16 14:47	-1	1	0		4/15/2016 14:26	-0.5	0.5	0	0.00
	4/15/16 15:02	-0.5	0.5	0		4/15/2016 14:41	-1	0	-0.5	-0.25
	4/15/16 15:17	-0.5	0	-0.25		4/15/2016 14:56	-2	1	-0.5	-0.38
	4/15/16 15:32	-0.5	0.5	0		4/15/2016 15:11	-1	0.5	-0.25	-0.13
	4/15/16 15:47	0	0	0		4/15/2016 15:26	-0.5	0.5	0	0.00
	4/15/16 16:02	0	0	0		4/15/2016 15:41	-1	0	-0.5	-0.25
	4/15/16 16:17	0	0	0		4/15/2016 15:56	-0.5	0.5	0	0.00
	4/15/16 16:32	0	0	0		4/15/2016 16:11	-0.5	0	-0.25	-0.13
	4/15/16 16:47	0	0	0		4/15/2016 16:26	-1	0	-0.5	-0.25
	4/15/16 17:02	0	0.5	0.25		4/15/2016 16:41	-1	0	-0.5	-0.13
	4/15/16 17:17	0	0.5	0.25		4/15/2016 16:56	-0.5	0	-0.25	0.00
	4/15/16 17:32	0	0	0		4/15/2016 17:11	-0.5	0.5	0	0.00
	4/15/16 17:47	0	0	0		4/15/2016 17:26	-0.5	0	-0.25	-0.13
	4/15/16 18:02	-0.5	0	-0.25		4/15/2016 17:41	-0.5	0.5	0	-0.13
	4/15/16 18:17	0	0	0		4/15/2016 17:56	-1	0	-0.5	-0.25
	4/15/16 18:32	0	0	0		4/15/2016 18:11	-1	0	-0.5	-0.25
	4/15/16 18:47	0	0.5	0.25		4/15/2016 18:26	-0.5	0	-0.25	0.00
	4/15/16 19:02	0	0	0		4/15/2016 18:41	-0.5	0	-0.25	-0.13
	4/15/16 19:17	0	0	0		4/15/2016 18:56	-0.5	0	-0.25	-0.13
	4/15/16 19:32	0	0	0		4/15/2016 19:11	-1	0	-0.5	-0.25
	4/15/16 19:47	0	0	0		4/15/2016 19:26	-0.5	0	-0.25	-0.13
	4/15/16 20:02	0	0	0		4/15/2016 19:41	-0.5	0	-0.25	-0.13
	4/15/16 20:17	0	0	0		4/15/2016 19:56	-1	0	-0.5	-0.25
	4/15/16 20:32	0	0	0		4/15/2016 20:11	-0.5	0	-0.25	-0.13
	4/15/16 20:47	0	0	0		4/15/2016 20:26	-0.5	0	-0.25	-0.13
	4/15/16 21:02	0	0	0		4/15/2016 20:41	-0.5	0	-0.25	-0.13
	4/15/16 21:17	0	0	0		4/15/2016 20:56	-0.5	0	-0.25	-0.13
	4/15/16 21:32	0	0	0		4/15/2016 21:11	-0.5	0	-0.25	-0.13
	4/15/16 21:47	0	0	0		4/15/2016 21:26	-0.5	0	-0.25	-0.13
	4/15/16 22:02	0	0	0		4/15/2016 21:41	-0.5	0	-0.25	-0.13
	4/15/16 22:17	0	0	0		4/15/2016 21:56	-0.5	0	-0.25	-0.13
	4/15/16 22:32	0	0	0		4/15/2016 22:11	-0.5	0	-0.25	-0.13
	4/15/16 22:47	-0.5	0	-0.25		4/15/2016 22:26	-0.5	0	-0.25	-0.25
	4/15/16 23:02	0	0	0		4/15/2016 22:41	-0.5	0	-0.25	-0.13
	4/15/16 23:17	-0.5	0	-0.25		4/15/2016 22:56	-0.5	0	-0.25	-0.25
	4/15/16 23:32	-0.5	0	-0.25		4/15/2016 23:11	-0.5	0	-0.25	-0.25
	4/15/16 23:47	-0.5	0	-0.25		4/15/2016 23:26	-0.5	0	-0.25	-0.25
	4/16/16 0:02	-0.5	0	-0.25		4/15/2016 23:41	-0.5	-0.5	-0.5	-0.38
	4/16/16 0:17	-0.5	0	-0.25		4/15/2016 23:56	-0.5	-0.5	-0.5	-0.38
	4/16/16 0:32	-0.5	0	-0.25		4/16/2016 0:11	-0.5	-0.5	-0.5	-0.38
	4/16/16 0:47	-0.5	0	-0.25		4/16/2016 0:26	-0.5	-0.5	-0.5	-0.38
	4/16/16 1:02	-0.5	0	-0.25		4/16/2016 0:41	-0.5	-0.5	-0.5	-0.38
	4/16/16 1:17	-0.5	0	-0.25		4/16/2016 0:56	-0.5	-0.5	-0.5	-0.38
	4/16/16 1:32	-0.5	0	-0.25		4/16/2016 1:11	-0.5	0	-0.25	-0.25
	4/16/16 1:47	-0.5	0	-0.25		4/16/2016 1:26	-0.5	-0.5	-0.5	-0.38
	4/16/16 2:02	-0.5	0	-0.25		4/16/2016 1:41	-0.5	-0.5	-0.5	-0.38
	4/16/16 2:17	-0.5	0	-0.25		4/16/2016 1:56</				

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/16/16 4:32	-0.5	0	-0.25		4/16/2016 4:11	-1	-0.5	-0.75	-0.50
	4/16/16 4:47	-0.5	0	-0.25		4/16/2016 4:26	-1	-0.5	-0.75	-0.50
	4/16/16 5:02	-0.5	0	-0.25		4/16/2016 4:41	-1	-0.5	-0.75	-0.50
	4/16/16 5:17	-0.5	0	-0.25		4/16/2016 4:56	-1	-0.5	-0.75	-0.50
	4/16/16 5:32	-0.5	0	-0.25		4/16/2016 5:11	-1	-0.5	-0.75	-0.50
	4/16/16 5:47	-0.5	0	-0.25		4/16/2016 5:26	-1	-0.5	-0.75	-0.50
	4/16/16 6:02	-0.5	0	-0.25		4/16/2016 5:41	-1	-0.5	-0.75	-0.50
	4/16/16 6:17	-0.5	0	-0.25		4/16/2016 5:56	-1	-0.5	-0.75	-0.50
	4/16/16 6:32	-0.5	0	-0.25		4/16/2016 6:11	-1	-0.5	-0.75	-0.50
	4/16/16 6:47	-0.5	0	-0.25		4/16/2016 6:26	-1	-0.5	-0.75	-0.50
	4/16/16 7:02	-0.5	0	-0.25		4/16/2016 6:41	-1	-0.5	-0.75	-0.50
	4/16/16 7:17	-0.5	0	-0.25		4/16/2016 6:56	-1	-0.5	-0.75	-0.50
	4/16/16 7:32	0	0	0		4/16/2016 7:11	-1	0	-0.5	-0.25
	4/16/16 7:47	0	0	0		4/16/2016 7:26	-0.5	0	-0.25	-0.13
	4/16/16 8:02	0	0	0		4/16/2016 7:41	-0.5	0	-0.25	-0.13
	4/16/16 8:17	0	0	0		4/16/2016 7:56	-0.5	0	-0.25	-0.13
	4/16/16 8:32	0	0	0		4/16/2016 8:11	-0.5	0	-0.25	-0.13
	4/16/16 8:47	0	0	0		4/16/2016 8:26	-0.5	0	-0.25	-0.13
	4/16/16 9:02	0	0	0		4/16/2016 8:41	-0.5	0	-0.25	-0.13
	4/16/16 9:17	0	0	0		4/16/2016 8:56	-0.5	0	-0.25	-0.13
	4/16/16 9:32	0	0	0		4/16/2016 9:11	-0.5	0	-0.25	-0.13
	4/16/16 9:47	0	0	0		4/16/2016 9:26	-0.5	0	-0.25	-0.13
	4/16/16 10:02	0	0	0		4/16/2016 9:41	-0.5	0	-0.25	-0.13
	4/16/16 10:17	0	0	0		4/16/2016 9:56	-0.5	0	-0.25	-0.13
	4/16/16 10:32	0	0	0		4/16/2016 10:11	0	0	0	0.00
	4/16/16 10:47	0	0	0		4/16/2016 10:26	-0.5	0	-0.25	-0.13
	4/16/16 11:02	0	0.5	0.25		4/16/2016 10:41	-0.5	0	-0.25	0.00
	4/16/16 11:17	0	0	0		4/16/2016 10:56	0	0	0	0.00
	4/16/16 11:32	0	0	0		4/16/2016 11:11	0	0.5	0.25	0.13
	4/16/16 11:47	0	0	0		4/16/2016 11:26	0	1	0.5	0.25
	4/16/16 12:02	-0.5	0	-0.25		4/16/2016 11:41	-0.5	0.5	0	-0.13
	4/16/16 12:17	-0.5	0	-0.25		4/16/2016 11:56	-1	0	-0.5	-0.38
	4/16/16 12:32	0	0.5	0.25		4/16/2016 12:11	-1.5	0.5	-0.5	-0.13
	4/16/16 12:47	0	0	0		4/16/2016 12:26	-0.5	1	0.25	0.13
	4/16/16 13:02	0	0	0		4/16/2016 12:41	-1	0.5	-0.25	-0.13
	4/16/16 13:17	-0.5	0.5	0		4/16/2016 12:56	-0.5	0	-0.25	-0.13
	4/16/16 13:32	-0.5	0.5	0		4/16/2016 13:11	-1.5	0.5	-0.5	-0.25
	4/16/16 13:47	0	0.5	0.25		4/16/2016 13:26	-1	1	0	0.13
	4/16/16 14:02	-0.5	0	-0.25		4/16/2016 13:41	-1.5	0.5	-0.5	-0.38
	4/16/16 14:17	-0.5	0	-0.25		4/16/2016 13:56	-1	1	0	-0.13
	4/16/16 14:32	0	0	0		4/16/2016 14:11	-1	0.5	-0.25	-0.13
	4/16/16 14:47	0	0	0		4/16/2016 14:26	-1	0	-0.5	-0.25
	4/16/16 15:02	0	0	0		4/16/2016 14:41	-0.5	0.5	0	0.00
	4/16/16 15:17	0	0.5	0.25		4/16/2016 14:56	-0.5	0.5	0	0.13
	4/16/16 15:32	-0.5	0	-0.25		4/16/2016 15:11	0	1	0.5	0.13
	4/16/16 15:47	0	0	0		4/16/2016 15:26	-1	0	-0.5	-0.25
	4/16/16 16:02	0	0.5	0.25		4/16/2016 15:41	-0.5	0	-0.25	0.00
	4/16/16 16:17	0	0	0		4/16/2016 15:56	0	0	0	0.00
	4/16/16 16:32	0	0	0		4/16/2016 16:11	-0.5	0	-0.25	-0.13
	4/16/16 16:47	0	0	0		4/16/2016 16:26	0	0.5	0.25	0.13
	4/16/16 17:02	0	0.5	0.25		4/16/2016 16:41	0	0.5	0.25	0.25
	4/16/16 17:17	0	0.5	0.25		4/16/2016 16:56	-0.5	0.5	0	0.13
	4/16/16 17:32	0	0.5	0.25		4/16/2016 17:11	-0.5	0	-0.25	0.00
	4/16/16 17:47	0	0.5	0.25		4/16/2016 17:26	-1	0	-0.5	-0.13
	4/16/16 18:02	0	0.5	0.25		4/16/2016 17:41	-0.5	0.5	0	0.13
	4/16/16 18:17	0	0	0		4/16/2016 17:56	-0.5	0	-0.25	-0.13
	4/16/16 18:32	0	0.5	0.25		4/16/2016 18:11	-0.5	0	-0.25	0.00
	4/16/16 18:47	0	0.5	0.25		4/16/2016 18:26	-1	0	-0.5	-0.13
	4/16/16 19:02	-0.5	0	-0.25		4/16/2016 18:41	-0.5	0	-0.25	-0.25
	4/16/16 19:17	0	0	0		4/16/2016 18:56	-1	0	-0.5	-0.25
	4/16/16 19:32	0	0	0		4/16/2016 19:11	-0.5	0	-0.25	-0.13
	4/16/16 19:47	0	0	0		4/16/2016 19:26	-0.5	0	-0.25	-0.13
	4/16/16 20:02	0	0	0		4/16/2016 19:41	-0.5	0	-0.25	-0.13
	4/16/16 20:17	0	0	0		4/16/2016 19:56	-0.5	0	-0.25	-0.13
	4/16/16 20:32	0	0	0		4/16/2016 20:11	0	0	0	0.00
	4/16/16 20:47	0	0	0		4/16/2016 20:26	-0.5	0	-0.25	-0.13
	4/16/16 21:02	0	0	0		4/16/2016 20:41	-0.5	0	-0.25	-0.13
	4/16/16 21:17	0	0	0		4/16/2016 20:56	-0.5	0	-0.25	-0.13
	4/16/16 21:32	0	0	0		4/16/2016 21:11	-0.5	0	-0.25	-0.13
	4/16/16 21:47	0	0	0		4/16/2016 21:26	-0.5	0	-0.25	-0.13
	4/16/16 22:02	0	0	0		4/16/2016 21:41	-0.5	0	-0.25	-0.13
	4/16/16 22:17	0	0	0		4/16/2016 21:56	-0.5	0	-0.25	-0.13
	4/16/16 22:32	-0.5	0	-0.25		4/16/2016 22:11	-0.5	0	-0.25	-0.25
	4/16/16 22:47	-0.5	0	-0.25		4/16/2016 22:26	-0.5	0	-0.25	-0.25
	4/16/16 23:02	0	0	0		4/16/2016 22:41	-0.5	0	-0.25	-0.13
	4/16/16 23:17	0	0	0		4/16/2016 22:56	-0.5	-0.5	-0.5	-0.25
	4/16/16 23:32	0	0	0		4/16/2016 23:11	-0.5	-0.5	-0.5	-0.25
	4/16/16 23:47	-0.5	0	-0.25		4/16/2016 23:26	-0.5	-0.5	-0.5	-0.38
	4/17/16 0:02	-0.5	0	-0.25		4/16/2016 23:41	-0.5	-0.5	-0.5	-0.38
	4/17/16 0:17	-0.5	0	-0.25		4/16/2016 23:56	-0.5	-0.5	-0.5	-0.38
	4/17/16 0:32	-0.5	0	-0.25		4/17/2016 0:11	-0.5	-0.5	-0.5	-0.38
	4/17/16 0:47	-0.5	0	-0.25		4/17/2016 0:26	-1	-0.5	-0.75	-0.50
	4/17/16 1:02	-0.5	0	-0.25		4/17/2016 0:41	-0.5	-0.5	-0.5	-0.38
	4/17/16 1:17	-0.5	0	-0.25		4/17/2016 0:56	-1	-0.5	-0.75	-0.50
	4/17/16 1:32	-0.5	0	-0.25		4/17/2016 1:11	-0.5	-0.5	-0.5	-0.38
	4/17/16 1:47	-0.5	0	-0.25		4/17/2016 1:26	-1	-0.5	-0.75	-0.50
	4/17/16 2:02	-0.5	0	-0.25		4/17/2016 1:41	-1	-0.5	-0.75	-0.50
	4/17/16 2:17	-0.5	0	-0.25		4/17/2016 1:56	-1	-0.5	-0.75	-0.50
	4/17/16 2:32	-0.5	0	-0.25		4/17/2016 2:11	-1	-0.5	-0.75	-0.50
	4/17/16 2:47	-0.5	0	-0.25		4/17/2016 2:26	-1	-0.5	-0.75	-0.50
	4/17/16 3:02	-0.5	0	-0.25		4/17/2016 2:41	-1	-0.5	-0.75	-0.50
	4/17/16 3:17	-0.5	0	-0.25		4/17/2016 2:56	-1	-0.5	-0.75	-0.50
	4/17/16 3:32	-0.5	0	-0.25		4/17/2016 3:11	-1	-0.5	-0.75	-0.50
	4/17/16 3:47	-0.5	0	-0.25		4/17/2016 3:26	-1	-0.5	-0.75	-0.50
	4/17/16 4:02	-0.5	0	-0.25		4/17/2016 3:41	-1	-0.5	-0.75	-0.50
	4/17/16 4:17	-0.5	0	-0.25		4/17/2016 3:56	-1	-0.5	-0.75	-0.50
	4/17/16 4:32	-0.5	0	-0.25		4/17/2016 4:11	-1	-0.5	-0.75	-0.50
	4/17/16 4:47	-0.5	0	-0.25		4/17/2016 4:26	-1	-0.5	-0.75	-0.50
	4/17/16 5:02	-0.5	0	-0.25		4/17/2016 4:41	-1	-0.5	-0.75	-0.50
	4/17/16 5:17	-0.5	0	-0.25		4/17/2016 4:56	-1	-0.5	-0.75	-0.50
	4/17/16 5:32	-0.5	0	-0.25		4/17/2016 5:11	-1	-0.5	-0.75	-0.50
	4/17/16 5:47	-0.5	0	-0.25		4/17/2016 5:26	-1	-0.5	-0.75	-0.50
	4/17/16 6:02	-0.5	0	-0.25		4/17/2016 5:41	-1	-0.5	-0.75	-0.50
	4/17/16 6:17	-0.5	0	-0.25		4/17/2016 5:56	-1	-0.5	-0.75	-0.50
	4/17/16 6:32	-0.5	0	-0.25		4/17/2016 6:11	-1	-0.5	-0.75	-0.50
	4/17/16 6:47	-0.5	0	-0.25		4/17/2016 6:26	-1	-0.5	-0.75	-0.50
	4/17/16 7:02	-0.5	0	-0.25		4/17/2016 6:41	-1	-0.5	-0.75	-0.50
	4/17/16 7:17	-0.5	0	-0.25		4/17/2016 6:56	-1	-0.5	-0.75	-0.50
	4/17/16 7:32	-0.5	0	-0.25		4/17/2016 7:11	-1	-0.5	-0.75	-0.50
	4/17/16 7:47	-0.5	0	-0.25		4/17/2016 7:26	-1	-0.5	-0.75	-0.50
	4/17/16 8:02	-0.5	0	-0.25		4/17/2016 7:41	-1	-0.5	-0.75	-0.50
	4/17/16 8:17	-0.5	0	-0.25		4/17/2016 7:56	-1	-0.5	-0.75	-0.50
	4/17/16 8:32	-0.5	0	-0.25		4/17/2016 8:11	-0.5	-0.5	-0.5	-0.38
	4/17/16 8:47	0	0	0		4/17/2016 8:26	-0.5	-0.5	-0.5	-0.25
	4/17/16 9:02	0	0	0		4/17/2016 8:41	-0.5	-0.5	-0.5	-0.25
	4/17/16 9:17	0	0	0		4/17/2016 8:56	-0.5	0	-0.25	-0.13
	4/17/16 9:32	0	0	0		4/17/2016 9:11	-0.5	0	-0.25	

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
 Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/17/16 11:32	0	0.5	0.25		4/17/2016 11:11	0	0	0	0.13
	4/17/16 11:47	0	0	0		4/17/2016 11:26	0	0.5	0.25	0.13
	4/17/16 12:02	0	0	0		4/17/2016 11:41	0	0.5	0.25	0.13
	4/17/16 12:17	0	0.5	0.25		4/17/2016 11:56	-0.5	0.5	0	0.13
	4/17/16 12:32	0	0	0		4/17/2016 12:11	0	0.5	0.25	0.13
	4/17/16 12:47	0	0.5	0.25		4/17/2016 12:26	-0.5	0.5	0	0.13
	4/17/16 13:02	0	0.5	0.25		4/17/2016 12:41	-0.5	0.5	0	0.13
	4/17/16 13:17	0	0.5	0.25		4/17/2016 12:56	0	0.5	0.25	0.25
	4/17/16 13:32	0	0.5	0.25		4/17/2016 13:11	-0.5	0.5	0	0.13
	4/17/16 13:47	0	0.5	0.25		4/17/2016 13:26	-0.5	1	0.25	0.25
	4/17/16 14:02	0	0.5	0.25		4/17/2016 13:41	0	1	0.5	0.38
	4/17/16 14:17	0	0.5	0.25		4/17/2016 13:56	0	0.5	0.25	0.25
	4/17/16 14:32	-0.5	0.5	0		4/17/2016 14:11	0	0.5	0.25	0.13
	4/17/16 14:47	-0.5	0	-0.25		4/17/2016 14:26	-0.5	0.5	0	-0.13
	4/17/16 15:02	-0.5	0	-0.25		4/17/2016 14:41	-0.5	0.5	0	-0.13
	4/17/16 15:17	0	0	0		4/17/2016 14:56	-0.5	0.5	0	0.00
	4/17/16 15:32	-0.5	0	-0.25		4/17/2016 15:11	-1	0.5	-0.25	-0.25
	4/17/16 15:47	-0.5	0	-0.25		4/17/2016 15:26	-0.5	0.5	0	0.00
	4/17/16 16:02	-0.5	0	-0.25		4/17/2016 15:41	-0.5	0.5	0	-0.13
	4/17/16 16:17	-1	0	-0.5		4/17/2016 15:56	-0.5	1	0.25	-0.13
	4/17/16 16:32	-0.5	0	-0.25		4/17/2016 16:11	-1	0.5	-0.25	-0.25
	4/17/16 16:47	-0.5	0.5	0		4/17/2016 16:26	-1	0.5	-0.25	-0.13
	4/17/16 17:02	0	0	0		4/17/2016 16:41	-1	0	-0.5	-0.25
	4/17/16 17:17	-0.5	0	-0.25		4/17/2016 16:56	-1	0.5	-0.25	-0.25
	4/17/16 17:32	-0.5	0	-0.25		4/17/2016 17:11	-1	0	-0.5	-0.38
	4/17/16 17:47	-0.5	0	-0.25		4/17/2016 17:26	-1	0.5	-0.25	-0.25
	4/17/16 18:02	-0.5	0	-0.25		4/17/2016 17:41	-0.5	0	-0.25	-0.25
	4/17/16 18:17	-0.5	0	-0.25		4/17/2016 17:56	-1	0	-0.5	-0.38
	4/17/16 18:32	-0.5	0	-0.25		4/17/2016 18:11	-1	0	-0.5	-0.38
	4/17/16 18:47	-0.5	0	-0.25		4/17/2016 18:26	-1	0	-0.5	-0.38
	4/17/16 19:02	-0.5	0	-0.25		4/17/2016 18:41	-1	0	-0.5	-0.38
	4/17/16 19:17	-0.5	0	-0.25		4/17/2016 18:56	-1	0	-0.5	-0.38
	4/17/16 19:32	-0.5	0	-0.25		4/17/2016 19:11	-0.5	0	-0.25	-0.25
	4/17/16 19:47	0	0	0		4/17/2016 19:26	-0.5	0	-0.25	-0.13
	4/17/16 20:02	0	0	0		4/17/2016 19:41	-0.5	0	-0.25	-0.13
	4/17/16 20:17	0	0	0		4/17/2016 19:56	0	0	0	0.00
	4/17/16 20:32	0	0	0		4/17/2016 20:11	0	0	0	0.00
	4/17/16 20:47	0	0	0		4/17/2016 20:26	0	0	0	0.00
	4/17/16 21:02	0	0	0		4/17/2016 20:41	0	0	0	0.00
	4/17/16 21:17	0	0	0		4/17/2016 20:56	-0.5	0	-0.25	-0.13
	4/17/16 21:32	0	0	0		4/17/2016 21:11	-0.5	0	-0.25	-0.13
	4/17/16 21:47	0	0	0		4/17/2016 21:26	-0.5	0	-0.25	-0.13
	4/17/16 22:02	0	0	0		4/17/2016 21:41	-0.5	0	-0.25	-0.13
	4/17/16 22:17	0	0	0		4/17/2016 21:56	-0.5	0	-0.25	-0.13
	4/17/16 22:32	-0.5	0	-0.25		4/17/2016 22:11	-0.5	0	-0.25	-0.25
	4/17/16 22:47	0	0	0		4/17/2016 22:26	-0.5	0	-0.25	-0.13
	4/17/16 23:02	-0.5	0	-0.25		4/17/2016 22:41	-0.5	-0.5	-0.5	-0.38
	4/17/16 23:17	-0.5	0	-0.25		4/17/2016 22:56	-0.5	-0.5	-0.5	-0.38
	4/17/16 23:32	-0.5	0	-0.25		4/17/2016 23:11	-0.5	-0.5	-0.5	-0.38
	4/17/16 23:47	-0.5	0	-0.25		4/17/2016 23:26	-0.5	-0.5	-0.5	-0.38
	4/18/16 0:02	-0.5	0	-0.25		4/17/2016 23:41	-0.5	-0.5	-0.5	-0.38
	4/18/16 0:17	0	0	0		4/17/2016 23:56	-0.5	-0.5	-0.5	-0.25
	4/18/16 0:32	-0.5	0	-0.25		4/18/2016 0:11	-0.5	-0.5	-0.5	-0.38
	4/18/16 0:47	-0.5	0	-0.25		4/18/2016 0:26	-0.5	-0.5	-0.5	-0.38
	4/18/16 1:02	-0.5	0	-0.25		4/18/2016 0:41	-0.5	-0.5	-0.5	-0.38
	4/18/16 1:17	-0.5	0	-0.25		4/18/2016 0:56	-1	-0.5	-0.75	-0.50
	4/18/16 1:32	-0.5	0	-0.25		4/18/2016 1:11	-1	-0.5	-0.75	-0.50
	4/18/16 1:47	-0.5	0	-0.25		4/18/2016 1:26	-1	-0.5	-0.75	-0.50
	4/18/16 2:02	-0.5	0	-0.25		4/18/2016 1:41	-1	-0.5	-0.75	-0.50
	4/18/16 2:17	-0.5	0	-0.25		4/18/2016 1:56	-1	-0.5	-0.75	-0.50
	4/18/16 2:32	-0.5	0	-0.25		4/18/2016 2:11	-1	-0.5	-0.75	-0.50
	4/18/16 2:47	-0.5	0	-0.25		4/18/2016 2:26	-1	-0.5	-0.75	-0.50
	4/18/16 3:02	-0.5	0	-0.25		4/18/2016 2:41	-1	-0.5	-0.75	-0.50
	4/18/16 3:17	-0.5	0	-0.25		4/18/2016 2:56	-1	-0.5	-0.75	-0.50
	4/18/16 3:32	-0.5	0	-0.25		4/18/2016 3:11	-1	-0.5	-0.75	-0.50
	4/18/16 3:47	-0.5	0	-0.25		4/18/2016 3:26	-1	-0.5	-0.75	-0.50
	4/18/16 4:02	-0.5	0	-0.25		4/18/2016 3:41	-1	-0.5	-0.75	-0.50
	4/18/16 4:17	-0.5	0	-0.25		4/18/2016 3:56	-1	-0.5	-0.75	-0.50
	4/18/16 4:32	-0.5	0	-0.25		4/18/2016 4:11	-1	-0.5	-0.75	-0.50
	4/18/16 4:47	-0.5	0	-0.25		4/18/2016 4:26	-1	-0.5	-0.75	-0.50
	4/18/16 5:02	-0.5	0	-0.25		4/18/2016 4:41	-1	-0.5	-0.75	-0.50
	4/18/16 5:17	-0.5	0	-0.25		4/18/2016 4:56	-1	-0.5	-0.75	-0.50
	4/18/16 5:32	-0.5	0	-0.25		4/18/2016 5:11	-1	-0.5	-0.75	-0.50
	4/18/16 5:47	-0.5	0	-0.25		4/18/2016 5:26	-1	-0.5	-0.75	-0.50
	4/18/16 6:02	-0.5	-0.5	-0.5		4/18/2016 5:41	-1	-0.5	-0.75	-0.63
	4/18/16 6:17	-0.5	-0.5	-0.5		4/18/2016 5:56	-1	-0.5	-0.75	-0.63
	4/18/16 6:32	-0.5	0	-0.25		4/18/2016 6:11	-1	-0.5	-0.75	-0.50
	4/18/16 6:47	-0.5	0	-0.25		4/18/2016 6:26	-1	-0.5	-0.75	-0.50
	4/18/16 7:02	-0.5	-0.5	-0.5		4/18/2016 6:41	-1	-0.5	-0.75	-0.63
	4/18/16 7:17	-0.5	-0.5	-0.5		4/18/2016 6:56	-1	-0.5	-0.75	-0.63
	4/18/16 7:32	-0.5	0	-0.25		4/18/2016 7:11	-1	-0.5	-0.75	-0.50
	4/18/16 7:47	-0.5	0	-0.25		4/18/2016 7:26	-1	-0.5	-0.75	-0.50
	4/18/16 8:02	-0.5	0	-0.25		4/18/2016 7:41	-1	-0.5	-0.75	-0.50
	4/18/16 8:17	-0.5	0	-0.25		4/18/2016 7:56	-1	-0.5	-0.75	-0.50
	4/18/16 8:32	-0.5	0	-0.25		4/18/2016 8:11	-1	-0.5	-0.75	-0.50
	4/18/16 8:47	-1	0	-0.5		4/18/2016 8:26	-0.5	-0.5	-0.5	-0.50
	4/18/16 9:02	-0.5	0	-0.25		4/18/2016 8:41	-1	-0.5	-0.75	-0.50
	4/18/16 9:17	-0.5	0	-0.25		4/18/2016 8:56	-0.5	-0.5	-0.5	-0.38
	4/18/16 9:32	-0.5	0	-0.25		4/18/2016 9:11	-1	0	-0.5	-0.38
	4/18/16 9:47	-0.5	1	0.25		4/18/2016 9:26	-0.5	-0.5	-0.5	-0.13
	4/18/16 10:02	-0.5	0	-0.25		4/18/2016 9:41	-0.5	0	-0.25	-0.25
	4/18/16 10:17	0	0	0		4/18/2016 9:56	-1	1.5	0.25	0.13
	4/18/16 10:32	-0.5	0.5	0		4/18/2016 10:11	-0.5	0	-0.25	-0.13
	4/18/16 10:47	-0.5	0	-0.25		4/18/2016 10:26	-0.5	0	-0.25	-0.25
	4/18/16 11:02	0	0.5	0.25		4/18/2016 10:41	-0.5	0	-0.25	0.00
	4/18/16 11:17	-1	1	0		4/18/2016 10:56	-0.5	0	-0.25	-0.13
	4/18/16 11:32	-0.5	1	0.25		4/18/2016 11:11	-0.5	2	0.75	0.50
	4/18/16 11:47	0	2	1		4/18/2016 11:26	-0.5	2.5	1	1.00
	4/18/16 12:02	0	0.5	0.25		4/18/2016 11:41	-0.5	3	1.25	0.75
	4/18/16 12:17	-0.5	0	-0.25		4/18/2016 11:56	-0.5	2	0.75	0.25
	4/18/16 12:32	-1	0.5	-0.25		4/18/2016 12:13	-0.5	1.5	0.5	0.13
	4/18/16 12:47	-0.5	0.5	0		4/18/2016 12:28	-3	1.5	-0.75	-0.38
	4/18/16 13:02	-0.5	0.5	0		4/18/2016 12:43	-1.5	3	0.75	0.38
	4/18/16 13:17	-0.5	0.5	0		4/18/2016 12:58	-2	1	-0.5	-0.25
	4/18/16 13:32	0	0	0		4/18/2016 13:13	-1.5	2.5	0.5	0.25
	4/18/16 13:47	-1	0	-0.5		4/18/2016 13:28	-2.5	1.5	-0.5	-0.50
	4/18/16 14:02	-0.5	1	0.25		4/18/2016 13:43	-3	0.5	-1.25	-0.50
	4/18/16 14:17	-0.5	1.5	0.5		4/18/2016 13:58	-1.5	2	0.25	0.38
	4/18/16 14:32	-1	1	0		4/18/2016 14:07	-1.5	2	0.25	0.13
	4/18/16 14:47	-1	3	1		4/18/2016 14:22	-1	3	1	1.00
	4/18/16 15:02	-0.5	1	0.25		4/18/2016 14:37	-2.5	2.5	0	0.13
	4/18/16 15:17	-1.5	1.5	0		4/18/2016 14:52	-2	5	1.5	0.75
	4/18/16 15:32	-1.5	0	-0.75		4/18/2016 15:07	-1	3.5	1.25	0.25
	4/18/16 15:47	-0.5	0	-0.25		4/18/2016 15:22	-1	0.5	-0.25	-0.25
	4/18/16 16:02	-0.5	0	-0.25		4/18/2016 15:37	-1	0.5	-0.25	-0.25
	4/18/16 16:17	-1	0.5	-0.25		4/18/2016 15:52	-1	1	0</	

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
 Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/18/16 18:32	-1	0	-0.5		4/18/2016 18:07	-1	0.5	-0.25	-0.38
	4/18/16 18:47	-0.5	0	-0.25		4/18/2016 18:22	-1	0.5	-0.25	-0.25
	4/18/16 19:02	-0.5	0	-0.25		4/18/2016 18:37	-1	0.5	-0.25	-0.25
	4/18/16 19:17	-0.5	0	-0.25		4/18/2016 18:52	-1	0.5	-0.25	-0.25
	4/18/16 19:32	-0.5	0	-0.25		4/18/2016 19:07	-1	0	-0.5	-0.38
	4/18/16 19:47	-0.5	0	-0.25		4/18/2016 19:22	-0.5	0	-0.25	-0.25
	4/18/16 20:02	0	0	0		4/18/2016 19:37	-0.5	0	-0.25	-0.13
	4/18/16 20:17	0	0	0		4/18/2016 19:52	-0.5	0	-0.25	-0.13
	4/18/16 20:32	0	0	0		4/18/2016 20:07	-0.5	0	-0.25	-0.13
	4/18/16 20:47	0	0	0		4/18/2016 20:22	-0.5	0	-0.25	-0.13
	4/18/16 21:02	0	0	0		4/18/2016 20:37	0	0	0	0.00
	4/18/16 21:17	0	0	0		4/18/2016 20:52	0	0	0	0.00
	4/18/16 21:32	0	0	0		4/18/2016 21:07	-0.5	0	-0.25	-0.13
	4/18/16 21:47	0	0	0		4/18/2016 21:22	-0.5	0	-0.25	-0.13
	4/18/16 22:02	0	0	0		4/18/2016 21:37	-0.5	0	-0.25	-0.13
	4/18/16 22:17	0	0	0		4/18/2016 21:52	-0.5	0	-0.25	-0.13
	4/18/16 22:32	0	0	0		4/18/2016 22:07	-0.5	0	-0.25	-0.13
	4/18/16 22:47	0	0	0		4/18/2016 22:22	-0.5	0	-0.25	-0.13
	4/18/16 23:02	-0.5	0	-0.25		4/18/2016 22:37	-0.5	0	-0.25	-0.25
	4/18/16 23:17	0	0	0		4/18/2016 22:52	-0.5	0	-0.25	-0.13
	4/18/16 23:32	0	0	0		4/18/2016 23:07	-0.5	0	-0.25	-0.13
	4/18/16 23:47	0	0	0		4/18/2016 23:22	-0.5	-0.5	-0.5	-0.25
	4/19/16 0:02	0	0	0		4/18/2016 23:37	-0.5	0	-0.25	-0.13
	4/19/16 0:17	0	0	0		4/18/2016 23:52	-0.5	-0.5	-0.5	-0.25
	4/19/16 0:32	-0.5	0	-0.25		4/19/2016 0:07	-0.5	-0.5	-0.5	-0.38
	4/19/16 0:47	0	0	0		4/19/2016 0:22	-0.5	0	-0.25	-0.13
	4/19/16 1:02	-0.5	0	-0.25		4/19/2016 0:37	-0.5	-0.5	-0.5	-0.38
	4/19/16 1:17	-0.5	0	-0.25		4/19/2016 0:52	-1	-0.5	-0.75	-0.50
	4/19/16 1:32	-0.5	0	-0.25		4/19/2016 1:07	-1	0	-0.5	-0.38
	4/19/16 1:47	-0.5	0	-0.25		4/19/2016 1:22	-0.5	-0.5	-0.5	-0.38
	4/19/16 2:02	-0.5	0	-0.25		4/19/2016 1:37	-1	-0.5	-0.75	-0.50
	4/19/16 2:17	-0.5	0	-0.25		4/19/2016 1:52	-1	0	-0.5	-0.38
	4/19/16 2:32	-0.5	0	-0.25		4/19/2016 2:07	-1	-0.5	-0.75	-0.50
	4/19/16 2:47	-0.5	0	-0.25		4/19/2016 2:22	-1	-0.5	-0.75	-0.50
	4/19/16 3:02	-0.5	0	-0.25		4/19/2016 2:37	-1	-0.5	-0.75	-0.50
	4/19/16 3:17	-0.5	0	-0.25		4/19/2016 2:52	-0.5	-0.5	-0.5	-0.38
	4/19/16 3:32	0	0	0		4/19/2016 3:07	-0.5	-0.5	-0.5	-0.25
	4/19/16 3:47	0	0	0		4/19/2016 3:22	-1	0	-0.5	-0.25
	4/19/16 4:02	-0.5	0	-0.25		4/19/2016 3:37	-0.5	0	-0.25	-0.25
	4/19/16 4:17	-0.5	0	-0.25		4/19/2016 3:52	-0.5	0	-0.25	-0.25
	4/19/16 4:32	-0.5	0	-0.25		4/19/2016 4:07	-0.5	0	-0.25	-0.25
	4/19/16 4:47	-0.5	0	-0.25		4/19/2016 4:22	-0.5	-0.5	-0.5	-0.38
	4/19/16 5:02	-0.5	0	-0.25		4/19/2016 4:37	-0.5	-0.5	-0.5	-0.38
	4/19/16 5:17	-0.5	0	-0.25		4/19/2016 4:52	-1	0	-0.5	-0.38
	4/19/16 5:32	-0.5	0	-0.25		4/19/2016 5:07	-0.5	-0.5	-0.5	-0.38
	4/19/16 5:47	0	0	0		4/19/2016 5:22	-0.5	-0.5	-0.5	-0.25
	4/19/16 6:02	0	0	0		4/19/2016 5:37	-0.5	-0.5	-0.5	-0.25
	4/19/16 6:17	-0.5	0	-0.25		4/19/2016 5:52	-1	-0.5	-0.75	-0.50
	4/19/16 6:32	-0.5	0	-0.25		4/19/2016 6:07	-0.5	0	-0.25	-0.25
	4/19/16 6:47	0	0	0		4/19/2016 6:22	-1	-0.5	-0.75	-0.38
	4/19/16 7:02	0	0	0		4/19/2016 6:37	-1	0	-0.5	-0.25
	4/19/16 7:17	0	0	0		4/19/2016 6:52	-1	0	-0.5	-0.25
	4/19/16 7:32	0	0	0		4/19/2016 7:07	-7.5	0	-3.75	-1.88
	4/19/16 7:47	-0.5	0	-0.25		4/19/2016 7:22	-1	0	-0.5	-0.38
	4/19/16 8:02	-1	0.5	-0.25		4/19/2016 7:37	-1	0	-0.5	-0.38
	4/19/16 8:17	-0.5	0	-0.25		4/19/2016 7:52	-1	-0.5	-0.75	-0.50
	4/19/16 8:32	-1	0.5	-0.25		4/19/2016 8:07	-1.5	-0.5	-1	-0.63
	4/19/16 8:47	-1.5	1	-0.25		4/19/2016 8:22	-1.5	0	-0.75	-0.50
	4/19/16 9:02	-0.5	0	-0.25		4/19/2016 8:37	-1	-0.5	-0.75	-0.50
	4/19/16 9:17	-0.5	0	-0.25		4/19/2016 8:52	-2	0	-1	-0.63
	4/19/16 9:32	-0.5	0	-0.25		4/19/2016 9:07	-2	0	-1	-0.63
	4/19/16 9:47	-0.5	0	-0.25		4/19/2016 9:22	-1.5	-0.5	-1	-0.63
	4/19/16 10:02	-0.5	0	-0.25		4/19/2016 9:37	-7.5	0	-3.75	-2.00
	4/19/16 10:17	-0.5	0	-0.25		4/19/2016 9:52	-1.5	-0.5	-1	-0.63
	4/19/16 10:32	-0.5	0	-0.25		4/19/2016 10:07	-2	-0.5	-1.25	-0.75
	4/19/16 10:47	-0.5	0	-0.25		4/19/2016 10:22	-1.5	0	-0.75	-0.50
	4/19/16 11:02	-0.5	0.5	0		4/19/2016 10:37	-1.5	-0.5	-1	-0.50
	4/19/16 11:17	-0.5	0	-0.25		4/19/2016 10:52	-1.5	0	-0.75	-0.50
	4/19/16 11:32	-1	0	-0.5		4/19/2016 11:07	-1	0.5	-0.25	-0.38
	4/19/16 11:47	-0.5	0	-0.25		4/19/2016 11:22	-1.5	0	-0.75	-0.50
	4/19/16 12:02	-0.5	0	-0.25		4/19/2016 11:37	-1.5	0	-0.75	-0.50 Average of both over baseline
	4/19/16 12:17	-0.5	0	-0.25		4/19/2016 11:52	-2	0	-1	-0.63
End Of Sustab DP Monitoring	4/19/16 12:32	-8	1	-3.5		4/19/2016 12:07	-2	0	-1	-0.63
Moved to roll up door 1A/DA	4/19/16 12:47	-6.5	5	-0.75		4/19/2016 12:22	-1.5	0	-0.75	-0.50
	4/19/16 13:02	-3	3	0		4/19/2016 12:37	-4	0	-2	-0.75
	4/19/16 13:17	-4.5	6.5	1		4/19/2016 12:52	-1.5	-0.5	-1	-0.50
	4/19/16 13:32	-1.5	3	0.75		4/19/2016 13:07	-1.5	0	-0.75	-0.50
Range finding	4/19/16 13:47	-5.5	2	-1.75		4/19/2016 13:22	-2.5	0	-1.25	-0.75
Range finding	4/19/16 14:02	-12.5	2	-5.25		4/19/2016 13:37	-2.5	-0.5	-1.5	-0.75
Range finding	4/19/16 14:17	-8.5	3	-2.75		4/19/2016 13:52	-1.5	0	-0.75	-0.50
Range finding	4/19/16 14:32	-6	3	-1.5		4/19/2016 14:07	-4.5	-0.5	-2.5	-0.75
	4/19/16 14:47	-0.5	0.5	0		4/19/2016 14:22	-3	0	-1.5	-0.75
	4/19/16 15:02	-0.5	0	-0.25		4/19/2016 14:37	-3	0.5	-1.25	-0.75
	4/19/16 15:17	-0.5	0	-0.25		4/19/2016 14:52	-2	0	-1	-0.75
	4/19/16 15:32	-1	0	-0.5		4/19/2016 15:07	-1.5	0	-0.75	-0.50
	4/19/16 15:47	-0.5	0.5	0		4/19/2016 15:22	-2.5	0	-1.25	-0.75
	4/19/16 16:02	-0.5	0.5	0		4/19/2016 15:37	-2.5	0	-1.25	-0.75
	4/19/16 16:17	-0.5	0	-0.25		4/19/2016 15:52	-2	0	-1	-0.75
	4/19/16 16:32	-0.5	0	-0.25		4/19/2016 16:07	-2	0	-1	-0.75
	4/19/16 16:47	-0.5	0	-0.25		4/19/2016 16:22	-2	0	-1	-0.75
	4/19/16 17:02	-1	0.5	-0.25		4/19/2016 16:37	-2	0	-1	-0.75
	4/19/16 17:17	-0.5	0.5	0		4/19/2016 16:52	-2	-0.5	-1.25	-0.75
	4/19/16 17:32	-0.5	0	-0.25		4/19/2016 17:07	-2.5	0	-1.25	-0.75
	4/19/16 17:47	-0.5	0	-0.25		4/19/2016 17:22	-2.5	0	-1.25	-0.75
	4/19/16 18:02	-0.5	0.5	0		4/19/2016 17:37	-1.5	0	-0.75	-0.50
	4/19/16 18:17	-0.5	0	-0.25		4/19/2016 17:52	-2	0	-1	-0.75
	4/19/16 18:32	-0.5	0	-0.25		4/19/2016 18:07	-1	0	-0.5	-0.38
	4/19/16 18:47	-0.5	0	-0.25		4/19/2016 18:22	-2	-0.5	-1.25	-0.75
	4/19/16 19:02	-0.5	0	-0.25		4/19/2016 18:37	-1.5	0	-0.75	-0.50
	4/19/16 19:17	-0.5	0	-0.25		4/19/2016 18:52	-2	-0.5	-1.25	-0.75
	4/19/16 19:32	-0.5	0	-0.25		4/19/2016 19:07	-1.5	-0.5	-1	-0.75
	4/19/16 19:47	-0.5	0	-0.25		4/19/2016 19:22	-2	-0.5	-1.25	-0.75
	4/19/16 20:02	-0.5	0	-0.25		4/19/2016 19:37	-1	-0.5	-0.75	-0.50
	4/19/16 20:17	-0.5	0	-0.25		4/19/2016 19:52	-1.5	-0.5	-1	-0.75
	4/19/16 20:32	-0.5	0	-0.25		4/19/2016 20:07	-1	-0.5	-0.75	-0.50
	4/19/16 20:47	-0.5	0	-0.25		4/19/2016 20:22	-1	-0.5	-0.75	-0.50
	4/19/16 21:02	-0.5	0	-0.25		4/19/2016 20:37	-1	-0.5	-0.75	-0.50
	4/19/16 21:17	-0.5	0	-0.25		4/19/2016 20:52	-1	-0.5	-0.75	-0.50
	4/19/16 21:32	-0.5	0	-0.25		4/19/2016 21:07	-1	-0.5	-0.75	-0.50
	4/19/16 21:47	-0.5	0	-0.25		4/19/2016 21:22	-1	-0.5	-0.75	-0.50
	4/19/16 22:02	-0.5	0	-0.25		4/19/2016 21:37	-1	-0.5	-0.75	-0.50
	4/19/16 22:17	-0.5	0	-0.25		4/19/2016 21:52	-1	-0.5	-0.75	-0.50
	4/19/16 22:32	-0.5	0	-0.25		4/19/2016 22:07	-1	-0.5	-0.75	-0.50
	4/19/16 22:47	-0.5	0	-0.25		4/19/2016 22:22	-1	-0.5	-0.75	-0.50
	4/19/16 23:02	-0.5	0	-0.25		4/19/2016 22:37	-1	-0.5	-0.75	-0.50
	4/19/16 23:17	-0.5	-0.5	-0.5		4/19/2016 22:52	-1	-0.5	-0.75	-0.50

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/20/16 1:32	-0.5	-0.5	-0.5		4/20/2016 1:07	-1	-1	-1	
	4/20/16 1:47	-0.5	-0.5	-0.5		4/20/2016 1:22	-1.5	-1	-1.25	
	4/20/16 2:02	-0.5	-0.5	-0.5		4/20/2016 1:37	-1.5	-1	-1.25	
	4/20/16 2:17	-0.5	-0.5	-0.5		4/20/2016 1:52	-1	-1	-1	
	4/20/16 2:32	-0.5	-0.5	-0.5		4/20/2016 2:07	-1.5	-1	-1.25	
	4/20/16 2:47	-0.5	-0.5	-0.5		4/20/2016 2:22	-1.5	-1	-1.25	
	4/20/16 3:02	-0.5	-0.5	-0.5		4/20/2016 2:37	-1.5	-1	-1.25	
	4/20/16 3:17	-0.5	-0.5	-0.5		4/20/2016 2:52	-1.5	-1	-1.25	
	4/20/16 3:32	-0.5	-0.5	-0.5		4/20/2016 3:07	-1.5	-1	-1.25	
	4/20/16 3:47	-0.5	-0.5	-0.5		4/20/2016 3:22	-1.5	-1	-1.25	
	4/20/16 4:02	-0.5	-0.5	-0.5		4/20/2016 3:37	-1.5	-1	-1.25	
	4/20/16 4:17	-0.5	-0.5	-0.5		4/20/2016 3:52	-1.5	-1	-1.25	
	4/20/16 4:32	-1	-0.5	-0.75		4/20/2016 4:07	-1.5	-1	-1.25	
	4/20/16 4:47	-1	-0.5	-0.75		4/20/2016 4:22	-1.5	-1	-1.25	
	4/20/16 5:02	-1	-0.5	-0.75		4/20/2016 4:37	-1.5	-1	-1.25	
	4/20/16 5:17	-0.5	-0.5	-0.5		4/20/2016 4:52	-1.5	-1	-1.25	
	4/20/16 5:32	-0.5	-0.5	-0.5		4/20/2016 5:07	-1.5	-1	-1.25	
	4/20/16 5:47	-0.5	-0.5	-0.5		4/20/2016 5:22	-1.5	-1	-1.25	
	4/20/16 6:02	-0.5	-0.5	-0.5		4/20/2016 5:37	-1.5	-1	-1.25	
	4/20/16 6:17	-0.5	-0.5	-0.5		4/20/2016 5:52	-1.5	-1	-1.25	
	4/20/16 6:32	-0.5	-0.5	-0.5		4/20/2016 6:07	-1.5	-1	-1.25	
	4/20/16 6:47	-0.5	-0.5	-0.5		4/20/2016 6:22	-1.5	-1	-1.25	
	4/20/16 7:02	-0.5	-0.5	-0.5		4/20/2016 6:37	-1.5	-1	-1.25	
	4/20/16 7:17	-0.5	-0.5	-0.5		4/20/2016 6:52	-1.5	-1	-1.25	
	4/20/16 7:32	-0.5	-0.5	-0.5		4/20/2016 7:07	-1.5	-1	-1.25	
	4/20/16 7:47	-0.5	-0.5	-0.5		4/20/2016 7:22	-1.5	-1	-1.25	
	4/20/16 8:02	-0.5	0	-0.25		4/20/2016 7:37	-1.5	-1	-1.25	
Repositioned Monitor	4/20/16 8:17	-7.5	0	-3.75		4/20/2016 7:52	-1.5	-1	-1.25	
Repositioned Monitor	4/20/16 8:32	-6.5	0	-3.25		4/20/2016 8:07	-1.5	-1	-1.25	
	4/20/16 8:47	-2	-1.5	-1.75		4/20/2016 8:22	-1.5	-1	-1.25	
	4/20/16 9:02	-2.5	-1.5	-2		4/20/2016 8:37	-1	-0.5	-0.75	
	4/20/16 9:17	-2	-1	-1.5		4/20/2016 8:52	-1	-0.5	-0.75	
Baseline	4/20/16 9:32	-2	-0.5	-1.25		4/20/2016 9:07	-1	-0.5	-0.75	
DP = -2.5 Pa	4/20/16 9:47	-3	0	-1.5		4/20/2016 9:22	-2	0	-1	
DP = -5 Pa	4/20/16 10:02	-5.5	-2.5	-4		4/20/2016 9:37	-1	-0.5	-0.75	
	4/20/16 10:17	-6	-3	-4.5		4/20/2016 9:52	-1.5	0	-0.75	
	4/20/16 10:32	-6	0.5	-2.75		4/20/2016 10:07	-2.5	-1	-1.75	
	4/20/16 10:47	-6.5	0	-3.25		4/20/2016 10:22	-2.5	-1	-1.75	
	4/20/16 11:02	-5.5	-1.5	-3.5		4/20/2016 10:37	-3	0	-1.5	
	4/20/16 11:17	-6	-2.5	-4.25		4/20/2016 10:52	-3	-1	-2	
	4/20/16 11:32	-6.5	0.5	-3		4/20/2016 11:07	-3.5	-1.5	-2.5	
	4/20/16 11:47	-5.5	0	-2.75		4/20/2016 11:22	-3	-0.5	-1.75	
	4/20/16 12:02	-6.5	0.5	-3		4/20/2016 11:37	-2.5	-1	-1.75	
DP = -10 Pa	4/20/16 12:17	-8.5	1	-3.75		4/20/2016 11:52	-3	-0.5	-1.75	
	4/20/16 12:32	-11.5	-5.5	-8.5		4/20/2016 12:07	-3.5	-1	-2.25	
	4/20/16 12:47	-10	-6	-8		4/20/2016 12:22	-3.5	0	-1.75	
	4/20/16 13:02	-11.5	-5	-8.25		4/20/2016 12:37	-3.5	-1.5	-2.5	
	4/20/16 13:17	-12	-5.5	-8.75		4/20/2016 12:52	-4	-1.5	-2.75	
	4/20/16 13:32	-12.5	-4.5	-8.5		4/20/2016 13:07	-3	-1.5	-2.25	
	4/20/16 13:47	-11	-6	-8.5		4/20/2016 13:22	-3.5	-1.5	-2.5	
DP = -5 Pa	4/20/16 14:02	-9	1	-4		4/20/2016 13:37	-4	-1	-2.5	
	4/20/16 14:17	-7	-1.5	-4.25		4/20/2016 13:52	-4.5	-1.5	-3	
End of PC	4/20/16 14:32	-6	-2	-4		4/20/2016 14:07	-4	-0.5	-2.25	
	4/20/16 14:47	-6	2.5	-1.75		4/20/2016 14:22	-3	-0.5	-1.75	
	4/20/16 15:02	-5	2	-1.5		4/20/2016 14:37	-2.5	-1	-1.75	
	4/20/16 15:17	-3.5	4	0.25		4/20/2016 14:52	-2	0.5	-0.75	
	4/20/16 15:32	-5.5	1.5	-2		4/20/2016 15:07	-1	1	0	
	4/20/16 15:47	-4.5	1.5	-1.5		4/20/2016 15:22	-0.5	0.5	0	
	4/20/16 16:02	-4	2.5	-0.75		4/20/2016 15:37	-0.5	0.5	0	
	4/20/16 16:17	-3.5	3	-0.25		4/20/2016 15:52	-0.5	0.5	0	
	4/20/16 16:32	-1	2	0.5		4/20/2016 16:07	-1	0.5	-0.25	
	4/20/16 16:47	-1.5	1.5	0		4/20/2016 16:22	-1	0	-0.5	
	4/20/16 17:02	-1	2.5	0.75		4/20/2016 16:37	-1	0	-0.5	
	4/20/16 17:17	0	2.5	1.25		4/20/2016 16:52	-0.5	0.5	0	
	4/20/16 17:32	0	2	1		4/20/2016 17:07	-0.5	0.5	0	
	4/20/16 17:47	-0.5	3	1.25		4/20/2016 17:22	0	0	0	
	4/20/16 18:02	-2	0.5	-0.75		4/20/2016 17:37	-1	0	-0.5	
	4/20/16 18:17	1	2	1		4/20/2016 17:52	-0.5	0.5	0	
	4/20/16 18:32	0	2.5	1.25		4/20/2016 18:07	0	0	0	
	4/20/16 18:47	0	2.5	1.25		4/20/2016 18:22	-0.5	0	-0.25	
	4/20/16 19:02	0	1.5	0.75		4/20/2016 18:37	-0.5	0	-0.25	
	4/20/16 19:17	0	1	0.5		4/20/2016 18:52	-0.5	0	-0.25	
	4/20/16 19:32	0	1	0.5		4/20/2016 19:07	-0.5	0	-0.25	
	4/20/16 19:47	0	0.5	0.25		4/20/2016 19:22	-0.5	0	-0.25	
	4/20/16 20:02	0	0.5	0.25		4/20/2016 19:37	-0.5	0	-0.25	
	4/20/16 20:17	-1	0	-0.5		4/20/2016 19:52	0	0	0	
	4/20/16 20:32	-0.5	0	-0.25		4/20/2016 20:07	-0.5	0	-0.25	
	4/20/16 20:47	-0.5	0	-0.25		4/20/2016 20:22	-0.5	0	-0.25	
	4/20/16 21:02	-1	0	-0.5		4/20/2016 20:37	-0.5	0	-0.25	
	4/20/16 21:17	-1	-0.5	-0.75		4/20/2016 20:52	-0.5	0	-0.25	
	4/20/16 21:32	-1	-0.5	-0.75		4/20/2016 21:07	-0.5	0	-0.25	
	4/20/16 21:47	-1	-0.5	-0.75		4/20/2016 21:22	-0.5	0	-0.25	
	4/20/16 22:02	-1.5	-0.5	-1		4/20/2016 21:37	-0.5	0	-0.25	
	4/20/16 22:17	-1.5	-1	-1.25		4/20/2016 21:52	-0.5	-0.5	-0.5	
	4/20/16 22:32	-2	-1.5	-1.75		4/20/2016 22:07	-1	-0.5	-0.75	
	4/20/16 22:47	-2	-1.5	-1.75		4/20/2016 22:22	-1	-0.5	-0.75	
	4/20/16 23:02	-2	-1.5	-1.75		4/20/2016 22:37	-1	-0.5	-0.75	
	4/20/16 23:17	-2	-1.5	-1.75		4/20/2016 22:52	-1	-0.5	-0.75	
	4/20/16 23:32	-2	-1.5	-1.75		4/20/2016 23:07	-1	-0.5	-0.75	
	4/20/16 23:47	-2.5	-1.5	-2		4/20/2016 23:22	-1	-0.5	-0.75	
	4/21/16 0:02	-2	-1.5	-1.75		4/20/2016 23:37	-1	-0.5	-0.75	
	4/21/16 0:17	-2	-1.5	-1.75		4/20/2016 23:52	-1	-0.5	-0.75	
	4/21/16 0:32	-2.5	-1.5	-2		4/21/2016 0:07	-1	-0.5	-0.75	
	4/21/16 0:47	-2	-2	-2		4/21/2016 0:22	-1	-0.5	-0.75	
	4/21/16 1:02	-2.5	-2	-2.25		4/21/2016 0:37	-1	-0.5	-0.75	
	4/21/16 1:17	-2.5	-2	-2.25		4/21/2016 0:52	-1	-0.5	-0.75	
	4/21/16 1:32	-2.5	-2	-2.25		4/21/2016 1:07	-1	-0.5	-0.75	
	4/21/16 1:47	-2.5	-2	-2.25		4/21/2016 1:22	-1	-0.5	-0.75	
	4/21/16 2:02	-2.5	-2	-2.25		4/21/2016 1:37	-1	-0.5	-0.75	
	4/21/16 2:17	-2.5	-2	-2.25		4/21/2016 1:52	-1	-0.5	-0.75	
	4/21/16 2:32	-2.5	-2	-2.25		4/21/2016 2:07	-1	-0.5	-0.75	
	4/21/16 2:47	-2.5	-2	-2.25		4/21/2016 2:22	-1.5	-0.5	-1	
	4/21/16 3:02	-2.5	-2	-2.25		4/21/2016 2:37	-1	-0.5	-0.75	
	4/21/16 3:17	-2.5	-2	-2.25		4/21/2016 2:52	-1	-0.5	-0.75	
	4/21/16 3:32	-2.5	-2	-2.25		4/21/2016 3:07	-1	-0.5	-0.75	
	4/21/16 3:47	-2.5	-2	-2.25		4/21/2016 3:22	-1	-0.5	-0.75	
	4/21/16 4:02	-2.5	-2	-2.25		4/21/2016 3:37	-1	-0.5	-0.75	
	4/21/16 4:17	-2.5	-2	-2.25		4/21/2016 3:52	-1	-0.5	-0.75	
	4/21/16 4:32	-2.5	-2	-2.25		4/21/2016 4:07	-1.5	-0.5	-1	
	4/21/16 4:47	-2.5	-2	-2.25		4/21/2016 4:22	-1	-0.5	-0.75	
	4/21/16 5:02	-2.5	-2	-2.25		4/21/2016 4:37	-1	-1	-1	
	4/21/16 5:17	-2.5	-2	-2.25		4/21/2016 4:52	-1	-1	-1	
	4/21/16 5:32	-2.5	-2	-2.25		4/21/2016 5:07	-1	-0.5	-0.75	
	4/21/16 5:47	-2.5	-2	-2.25		4/21/2016 5:22	-1	-0.5	-0.75	
	4/21/16 6:02	-2.5	-2	-2.25		4/21/2016 5:37	-1	-0.5	-0.75	
	4/21/16 6:17	-2.5	-2	-2.25		4/21/2016 5:52	-1	-0.5	-0.75	
	4/21/16 6:32	-2.5	-2	-2.25		4/21/2016 6:07	-1	-0.5	-0.75	
	4/21/16 6:47	-2.5	-2	-2.25		4/21/2016 6:22	-1	-0.5	-0.75	
	4/21/16 7:02	-2.5	-1.5	-2		4/21/2016 6:37	-1	-0.5	-0.75	
	4/21/16 7:17	-2	-1	-1.5		4/21/2016 6:52	-1	-0.5	-0.75	
	4/21/16 7:32	-2	-1.5	-1.75						

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building

Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
DP = +5 Pa	4/21/16 8:32	-1.5	-0.5	-1	DP = +5 Pa	4/21/2016 8:07	-1	0	-0.5	
	4/21/16 8:47	-1.5	-1	-1.25		4/21/2016 8:22	-1	-0.5	-0.75	
	4/21/16 9:02	-1.5	-1	-1.25		4/21/2016 8:37	-1	0	-0.5	
	4/21/16 9:17	-1.5	0	-0.75		4/21/2016 8:52	-1	0	-0.5	
	4/21/16 9:32	-1	0.5	-0.25		4/21/2016 9:07	-0.5	0	-0.25	
	4/21/16 9:47	-1	5	2		4/21/2016 9:22	-0.5	0	-0.25	
	4/21/16 10:02	3	5	4		4/21/2016 9:37	-0.5	1	0.25	
	4/21/16 10:17	4	6	5		4/21/2016 9:52	0	1	0.5	
	4/21/16 10:32	1.5	7.5	4.5		4/21/2016 10:07	0.5	1.5	1	
	4/21/16 10:47	2.5	7.5	5		4/21/2016 10:22	0.5	2	1.25	
End of PC	4/21/16 11:02	0	6	3	End of PC	4/21/2016 10:37	0.5	2	1.25	
	4/21/16 11:17	-2.5	7.5	2.5		4/21/2016 10:52	0.5	2	1.25	
	4/21/16 11:32	-18	6.5	-5.75		4/21/2016 11:07	0.5	2.5	1.5	
	4/21/16 11:47	-11	0	-5.5		4/21/2016 11:22	1	2.5	1.75	
	4/21/16 12:02	-12	1	-5.5		4/21/2016 11:37	-1	2.5	0.75	
	4/21/16 12:17	-8	0	-4		4/21/2016 11:52	-0.5	0.5	0	
	4/21/16 12:32	-7	0.5	-3.25		4/21/2016 12:07	-1	0	-0.5	
	4/21/16 12:47	-5	0.5	-2.25		4/21/2016 12:22	-1	0	-0.5	
	4/21/16 13:02	-2.5	1	-0.75		4/21/2016 12:37	-0.5	2	0.75	
	4/21/16 13:17	-5	0	-2.5		DP = -2.5 Pa	4/21/2016 12:52	-0.5	0	-0.25
4/21/16 13:32	-4.5	-1	-2.75	4/21/2016 13:07	-1		0	-0.5		
4/21/16 13:47	-3.5	-1.5	-2.5	4/21/2016 13:22	-1		-0.5	-0.75		
4/21/16 14:02	-4.5	-2	-3.25	4/21/2016 13:37	-1		-0.5	-0.75		
4/21/16 14:17	-5.5	0	-2.75	4/21/2016 13:52	-1		-0.5	-0.75		
4/21/16 14:32	-14.5	0	-7.25	4/21/2016 14:07	-1		-0.5	-0.75		
4/21/16 14:47	-13	1	-6	4/21/2016 14:22	-1		1	0		
4/21/16 15:02	-1	0.5	-0.25	4/21/2016 14:37	-3		0.5	-1.25		
4/21/16 15:17	-4.5	2	-1.25	4/21/2016 14:52	-0.5		0	-0.25		
4/21/16 15:32	-4	0.5	-1.75	4/21/2016 15:07	-0.5		0	-0.25		
4/21/16 15:47	-7	0.5	-3.25	4/21/2016 15:22	-1		0.5	-0.25		
End of PC	4/21/16 16:02	-14.5	0	-7.25	End of PC	4/21/2016 15:37	-0.5	0	-0.25	
	4/21/16 16:17	-10.5	0	-5.25		4/21/2016 15:52	-0.5	0	-0.25	
	4/21/16 16:32	-12	0.5	-5.75		4/21/2016 16:07	-1.5	1	-0.25	
	4/21/16 16:47	-6	0	-3		4/21/2016 16:22	-1	0	-0.5	
	4/21/16 17:02	-5.5	0.5	-2.5		4/21/2016 16:37	-0.5	0.5	0	
	4/21/16 17:17	-5	0.5	-2.25		4/21/2016 16:52	-0.5	0	-0.25	
	4/21/16 17:32	-5	0	-2.5		4/21/2016 17:07	-0.5	0	-0.25	
	4/21/16 17:47	-6	1	-2.5		4/21/2016 17:22	-0.5	0.5	0	
	4/21/16 18:02	-1.5	1.5	0		4/21/2016 17:37	-0.5	0.5	0	
	4/21/16 18:17	-1.5	0.5	-0.5		4/21/2016 17:52	-0.5	0	-0.25	
4/21/16 18:32	-3.5	0.5	-1.5	4/21/2016 18:07	0	0	0			
4/21/16 18:47	-3.5	0.5	-1.5	4/21/2016 18:22	0	0	0			
4/21/16 19:02	-2.5	0	-1.25	4/21/2016 18:37	-0.5	0	-0.25			
4/21/16 19:17	-1.5	0	-0.75	4/21/2016 18:52	-0.5	0	-0.25			
4/21/16 19:32	-0.5	0	-0.25	4/21/2016 19:07	-0.5	0	-0.25			
4/21/16 19:47	-0.5	0.5	0	4/21/2016 19:22	-0.5	0	-0.25			
4/21/16 20:02	-0.5	0	-0.25	4/21/2016 19:37	-0.5	0	-0.25			
4/21/16 20:17	-3	0.5	-1.25	4/21/2016 19:52	-0.5	0	-0.25			
4/21/16 20:32	0	0.5	0.25	4/21/2016 20:07	-0.5	0.5	0			
4/21/16 20:47	-0.5	0.5	0	4/21/2016 20:22	-0.5	0.5	0			
4/21/16 21:02	-1	0.5	-0.25	4/21/2016 20:37	-0.5	0	-0.25			
4/21/16 21:17	-1	0.5	-0.25	4/21/2016 20:52	-0.5	0	-0.25			
4/21/16 21:32	-0.5	0.5	0	4/21/2016 21:07	-0.5	0	-0.25			
4/21/16 21:47	-0.5	0	-0.25	4/21/2016 21:22	-0.5	0	-0.25			
4/21/16 22:02	-1.5	0	-0.75	4/21/2016 21:37	-0.5	0	-0.25			
4/21/16 22:17	-4	0	-2	4/21/2016 21:52	0	0	0			
4/21/16 22:32	-2	0.5	-0.75	4/21/2016 22:07	-0.5	0	-0.25			
4/21/16 22:47	-1.5	0.5	-0.5	4/21/2016 22:22	-1	0.5	-0.25			
4/21/16 23:02	-1	1	0	4/21/2016 22:37	-1	0	-0.5			
4/21/16 23:17	-3.5	1.5	-1	4/21/2016 22:52	-0.5	0	-0.25			
4/21/16 23:32	-2	0.5	-0.75	4/21/2016 23:07	-0.5	0.5	0			
4/21/16 23:47	-3	1.5	-0.75	4/21/2016 23:22	-0.5	0.5	0			
4/22/16 0:02	-1	1	0	4/21/2016 23:37	-1	0.5	-0.25			
4/22/16 0:17	-2	0.5	-0.75	4/21/2016 23:52	-1	0	-0.5			
4/22/16 0:32	-3.5	0	-1.75	4/22/2016 0:07	-1	0.5	-0.25			
4/22/16 0:47	-8	0.5	-3.75	4/22/2016 0:22	-1.5	0.5	-0.5			
4/22/16 1:02	-6	0.5	-2.75	4/22/2016 0:37	-1.5	0.5	-0.5			
4/22/16 1:17	-10.5	1	-4.75	4/22/2016 0:52	-1.5	0.5	-0.5			
4/22/16 1:32	-9	-0.5	-4.75	4/22/2016 1:07	-1.5	0.5	-0.5			
4/22/16 1:47	-4.5	0.5	-2	4/22/2016 1:22	-1.5	1	-0.25			
4/22/16 2:02	-6	0	-3	4/22/2016 1:37	-1.5	0.5	-0.5			
4/22/16 2:17	-6	0	-3	4/22/2016 1:52	-1	0	-0.5			
4/22/16 2:32	-1	0	-0.5	4/22/2016 2:07	-1	0.5	-0.25			
4/22/16 2:47	-0.5	0	-0.25	4/22/2016 2:22	-1.5	0	-0.75			
4/22/16 3:02	-1	0.5	-0.25	4/22/2016 2:37	-1.5	0	-0.75			
4/22/16 3:17	-1.5	0	-0.75	4/22/2016 2:52	-1	0	-0.5			
4/22/16 3:32	-1	0	-0.5	4/22/2016 3:07	-0.5	0	-0.25			
4/22/16 3:47	-1	0	-0.5	4/22/2016 3:22	-0.5	0	-0.25			
4/22/16 4:02	-1	-0.5	-0.75	4/22/2016 3:37	-0.5	0	-0.25			
4/22/16 4:17	-1	-0.5	-0.75	4/22/2016 3:52	-0.5	0	-0.25			
4/22/16 4:32	-1	-0.5	-0.75	4/22/2016 4:07	-0.5	0	-0.25			
4/22/16 4:47	-1	-0.5	-0.75	4/22/2016 4:22	-0.5	0	-0.25			
4/22/16 5:02	-1	0	-0.5	4/22/2016 4:37	-1	0	-0.5			
4/22/16 5:17	-1	0	-0.5	4/22/2016 4:52	-1	0	-0.5			
4/22/16 5:32	-4	0	-2	4/22/2016 5:07	-1	0	-0.5			
4/22/16 5:47	-4	0	-2	4/22/2016 5:22	-1	0	-0.5			
4/22/16 6:02	-2.5	0	-1.25	4/22/2016 5:37	-0.5	0	-0.25			
4/22/16 6:17	-4	0	-2	4/22/2016 5:52	-0.5	0	-0.25			
4/22/16 6:32	-3.5	0	-1.75	4/22/2016 6:07	-0.5	0	-0.25			
4/22/16 6:47	-1.5	0	-0.75	4/22/2016 6:22	-0.5	0	-0.25			
4/22/16 7:02	-1	0	-0.5	4/22/2016 6:37	-0.5	0	-0.25			
4/22/16 7:17	0	0	0	4/22/2016 6:52	-1	0	-0.5			
4/22/16 7:32	-0.5	0	-0.25	4/22/2016 7:07	-0.5	0	-0.25			
4/22/16 7:47	-0.5	0	-0.25	4/22/2016 7:22	-0.5	0	-0.25			
4/22/16 8:02	-0.5	0	-0.25	4/22/2016 7:37	-0.5	0	-0.25			
4/22/16 8:17	-0.5	0	-0.25	4/22/2016 7:52	-0.5	0	-0.25			
4/22/16 8:32	-1	0	-0.5	4/22/2016 8:07	-0.5	0	-0.25			
4/22/16 8:47	-2	0	-1	4/22/2016 8:22	-0.5	0.5	0			
4/22/16 9:02	-3	0	-1.5	4/22/2016 8:37	-0.5	0	-0.25			
4/22/16 9:17	-2	0	-1	4/22/2016 8:52	-0.5	1.5	0.5			
4/22/16 9:32	-3	0	-1.5	4/22/2016 9:07	-0.5	2	0.75			
4/22/16 9:47	-2	1	-0.5	4/22/2016 9:22	-0.5	3	1.25			
4/22/16 10:02	-3.5	0.5	-1.5	4/22/2016 9:37	-0.5	2.5	1			
4/22/16 10:17	-2.5	0	-1.25	4/22/2016 9:52	-0.5	1	0.25			
4/22/16 10:32	-2	0	-1	4/22/2016 10:07	-3	4.5	0.75			
4/22/16 10:47	-2	0	-1	4/22/2016 10:22	0	4.5	2.25			
4/22/16 11:02	-1	0	-0.5	4/22/2016 10:37	0	2.5	1.25			
4/22/16 11:17	-2	0	-1	4/22/2016 10:52	-1	5	2			
4/22/16 11:32	-1.5	0	-0.75	4/22/2016 11:07	-2	4.5	1.25			
4/22/16 11:47	-1.5	0	-0.75	4/22/2016 11:22	-0.5	5	2.25			
4/22/16 12:02	-1.5	0	-0.75	4/22/2016 11:37	-1	5	2			
4/22/16 12:32	-3	0	-1.5	4/22/2016 11:52	0	8.5	4.25			
4/22/16 12:47	-2.5	0.5	-1	4/22/2016 12:07	-1	6	2.5			
Start IA to OA Baseline DP					4/22/2016 12:22	-0.5	5.5	2.5	0.75	
	4/22/16 13:02	-2.5	1	-0.75	4/22/2016 12:37	-1	6	2.5	0.88	
	4/22/16 13:17	-3	0.5	-1.25	4/22/2016 12:52	-0.5	7	3.25	1.00	
	4/22/16 13:32	-1.5	0	-0.75	4/22/2016 13:07	0	7.5	3.75	1.50	
	4/22/16 13:47	-2	0	-1	4/22/2016 13:22	-1	5	2	0.50	
	4/22/16 14:02	-1.5	0	-0.75	4/22/2016 13:37	-2.5	5.5	1.5	0.38	
	4/22/16 14:17	-2	0	-1	4/22/2016 13:52	-2.5	3.5	0.5	-0.25	
	4/22/16 14:32	-1.5	0	-0.75	4/22/2016 14:07	-1.5	6.5	2.5	0.88	
	4/22/16 14:47	-3	0	-1.5	4/22/2016 14:22	0	6.5	3.25		
	4/22/16 15:02	-2.5	0	-1.25	4/22/2016 14:37	-1.5	2.5	0.5	-0.38	
	4/22/16 15:17	-2	0.5	-0.75	4/22/2016 14:52	-2	0	-1	-0.88	

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2				
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	Average DP of both
	4/23/16 15:32	-3	0	-1.5		4/22/2016 15:07	-2.5	0	-1.25
	4/22/16 15:47	-5	1	-2		4/22/2016 15:22	-3	1	-1
	4/22/16 16:02	-6	1	-2.5		4/22/2016 15:37	-2	1	-0.5
	4/22/16 16:17	-4	-0.5	-2.25		4/22/2016 15:52	-3	2	-0.5
	4/22/16 16:32	-2.5	-0.5	-1.5		4/22/2016 16:07	-2	1	-0.5
	4/22/16 16:47	-2	-0.5	-1.25		4/22/2016 16:22	-2	-0.5	-1.25
	4/22/16 17:02	-1.5	-0.5	-1		4/22/2016 16:37	-1.5	0	-0.75
	4/22/16 17:17	-1.5	-0.5	-1		4/22/2016 16:52	-2	-0.5	-1.25
	4/22/16 17:32	-1.5	0	-0.75		4/22/2016 17:07	-2	-0.5	-1.25
	4/22/16 17:47	-2.5	0	-1.25		4/22/2016 17:22	-1.5	-0.5	-1
	4/22/16 18:02	-2.5	0	-1.25		4/22/2016 17:37	-2.5	0	-1.25
	4/22/16 18:17	-1.5	0	-0.75		4/22/2016 17:52	-3	-0.5	-1.25
	4/22/16 18:32	-1.5	0	-0.75		4/22/2016 18:07	-2	-0.5	-1.25
	4/22/16 18:47	-1	0	-0.5		4/22/2016 18:22	-2.5	-0.5	-1.5
	4/22/16 19:02	-1.5	0	-0.75		4/22/2016 18:37	-2.5	-0.5	-1.5
	4/22/16 19:17	-8	2	-3		4/22/2016 18:52	-3	-1	-2
	4/22/16 19:32	-4	1.5	-1.25		4/22/2016 19:07	-4.5	0	-2.25
	4/22/16 19:47	-3	0	-1.5		4/22/2016 19:22	-3.5	0	-1.75
	4/22/16 20:02	-4	0	-2		4/22/2016 19:37	-2.5	0	-1.25
	4/22/16 20:17	-3	-1	-2		4/22/2016 19:52	-2	-0.5	-1.25
	4/22/16 20:32	-6.5	0	-3.25		4/22/2016 20:07	-1.5	-0.5	-1
	4/22/16 20:47	-4.5	0	-2.25		4/22/2016 20:22	-1.5	0	-0.75
	4/22/16 21:02	-3.5	0	-1.75		4/22/2016 20:37	-1.5	0	-0.75
	4/22/16 21:17	-2.5	0.5	-1		4/22/2016 20:52	-2	0	-1
	4/22/16 21:32	-6	3	-1.5		4/22/2016 21:07	-3	-0.5	-1.75
	4/22/16 21:47	-3	2.5	-0.25		4/22/2016 21:22	-2.5	0.5	-1
	4/22/16 22:02	-2.5	0.5	-1		4/22/2016 21:37	-8	3	-2.5
	4/22/16 22:17	-2.5	1.5	-0.5		4/22/2016 21:52	-6	0	-3
	4/22/16 22:32	-5	1.5	-1.75		4/22/2016 22:07	-5.5	-0.5	-3
	4/22/16 22:47	-2.5	0	-1.25		4/22/2016 22:22	-4.5	-0.5	-2.5
	4/22/16 23:02	-3	0	-1.5		4/22/2016 22:37	-4.5	-1	-2.75
	4/22/16 23:17	-6.5	1	-2.75		4/22/2016 22:52	-6	-1	-3.5
	4/22/16 23:32	-4.5	0	-2.25		4/22/2016 23:07	-4.5	-0.5	-2.5
	4/22/16 23:47	-4	1	-1.5		4/22/2016 23:22	-4	0	-2
	4/23/16 0:02	-4	0	-2		4/22/2016 23:37	-5	-2	-2.50
	4/23/16 0:17	-4	0.5	-1.75		4/22/2016 23:52	-4.5	-1	-2.75
	4/23/16 0:32	-3	0	-1.5		4/23/2016 0:07	-6.5	-0.5	-3.5
	4/23/16 0:47	-3	1	-1		4/23/2016 0:22	-6	-1	-3.5
	4/23/16 1:02	-3	-0.5	-1.75		4/23/2016 0:37	-5	-0.5	-2.75
	4/23/16 1:17	-3	-0.5	-1.75		4/23/2016 0:52	-4	-1	-2.5
	4/23/16 1:32	-4.5	0	-2.25		4/23/2016 1:07	-4	-1.5	-2.75
	4/23/16 1:47	-4.5	-1	-2.75		4/23/2016 1:22	-5	-1	-3
	4/23/16 2:02	-6	0	-3		4/23/2016 1:37	-3.5	-0.5	-2
	4/23/16 2:17	-4	-1.5	-2.75		4/23/2016 1:52	-4.5	0	-2.25
	4/23/16 2:32	-5.5	0.5	-2.5		4/23/2016 2:07	-4.5	0	-2.25
	4/23/16 2:47	-4	0.5	-2.25		4/23/2016 2:22	-3.5	-0.5	-2
	4/23/16 3:02	-3	-0.5	-1.75		4/23/2016 2:37	-5	-0.5	-2.75
	4/23/16 3:17	-3	0	-1.5		4/23/2016 2:52	-7	-1.5	-4.25
	4/23/16 3:32	-5	0	-2.5		4/23/2016 3:07	-5.5	-1.5	-3.5
	4/23/16 3:47	-5	-0.5	-2.75		4/23/2016 3:22	-5	-1	-3
	4/23/16 4:02	-5.5	-1.5	-3.5		4/23/2016 3:37	-3	-1.5	-2.25
	4/23/16 4:17	-5	0	-2.5		4/23/2016 3:52	-3	-0.5	-1.75
	4/23/16 4:32	-5.5	0.5	-2.5		4/23/2016 4:07	-3.5	-1.5	-2.5
	4/23/16 4:47	-8	-1.5	-4.75		4/23/2016 4:22	-4	-1	-2.5
	4/23/16 5:02	-13.5	-0.5	-7		4/23/2016 4:37	-5.5	-1	-3.25
	4/23/16 5:17	-5.5	-1	-3.25		4/23/2016 4:52	-5	-1	-3
	4/23/16 5:32	-5.5	-1	-3.25		4/23/2016 5:07	-4	0	-2
	4/23/16 5:47	-6	-1	-3.5		4/23/2016 5:22	-3.5	-1.5	-2.5
	4/23/16 6:02	-5	-0.5	-2.75		4/23/2016 5:37	-4.5	-1	-2.75
	4/23/16 6:17	-4	-1	-2.5		4/23/2016 5:52	-3.5	-1.5	-2.5
	4/23/16 6:32	-4	1	-1.5		4/23/2016 6:07	-3	-1.5	-2.25
	4/23/16 6:47	-4	1	-1.5		4/23/2016 6:22	-3.5	-1.5	-2.5
	4/23/16 7:02	-6	-1	-3.5		4/23/2016 6:37	-4	1	-1.5
	4/23/16 7:17	-7	-1.5	-4.25		4/23/2016 6:52	-3.5	0.5	-1.5
	4/23/16 7:32	-3.5	0.5	-1.5		4/23/2016 7:07	-3	-0.5	-1.75
	4/23/16 7:47	-4.5	0.5	-2		4/23/2016 7:22	-4	-0.5	-2.25
	4/23/16 8:02	-4	0	-2		4/23/2016 7:37	-3	0	-1.5
	4/23/16 8:17	-6.5	1	-2.75		4/23/2016 7:52	-6	2	-4
	4/23/16 8:32	-3.5	3.5	0		4/23/2016 8:07	-6	-1.5	-3.75
	4/23/16 8:47	-6.5	1	-2.75		4/23/2016 8:22	-5	5	0
	4/23/16 9:02	-9	0	-4.5		4/23/2016 8:37	-5.5	0.5	-2.5
	4/23/16 9:17	-8.5	-0.5	-4.5		4/23/2016 8:52	-5	-0.5	-2.75
	4/23/16 9:32	-9	1	-4		4/23/2016 9:07	-4.5	-0.5	-2.5
	4/23/16 9:47	-4	2.5	-0.75		4/23/2016 9:22	-4.5	-0.5	-2.5
	4/23/16 10:02	-5.5	0.5	-2.5		4/23/2016 9:37	-4.5	3	-0.75
	4/23/16 10:17	-3.5	1	-1.25		4/23/2016 9:52	-5	0	-2.5
	4/23/16 10:32	-4	-0.5	-2.25		4/23/2016 10:07	-4.5	1	-1.75
	4/23/16 10:47	-4.5	3	-0.75		4/23/2016 10:22	-8.5	1.5	-3.5
	4/23/16 11:02	-4.5	-0.5	-3		4/23/2016 10:37	-6	-1	-3.5
	4/23/16 11:17	-7.5	0	-3.75		4/23/2016 10:52	-6	-1.5	-3.75
	4/23/16 11:32	-4.5	0	-2.25		4/23/2016 11:07	-5	-1.5	-3.25
	4/23/16 11:47	-3	1	-1		4/23/2016 11:22	-5	-0.5	-2.75
	4/23/16 12:02	-5.5	-0.5	-3		4/23/2016 11:37	-7.5	-1.5	-4.5
	4/23/16 12:17	-4	0.5	-1.75		4/23/2016 11:52	-8.5	-0.5	-4.5
	4/23/16 12:32	-2.5	1.5	-2		4/23/2016 12:07	-5.5	-1	-3.25
	4/23/16 12:47	-3	2.5	-0.25		4/23/2016 12:22	-5.5	-0.5	-3
	4/23/16 13:02	-2.5	1.5	-0.5		4/23/2016 12:37	-8	0	-4
	4/23/16 13:17	-8	3	-2.5		4/23/2016 12:52	-10	-0.5	-5.25
	4/23/16 13:32	-3.5	1	-1.25		4/23/2016 13:07	-7	0	-3.5
	4/23/16 13:47	-3.5	1.5	-1		4/23/2016 13:22	-6	0	-3
	4/23/16 14:02	-5.5	1.5	-2		4/23/2016 13:37	-6	-1	-3.5
	4/23/16 14:17	-2.5	2	-0.25		4/23/2016 13:52	-6	0.5	-2.75
	4/23/16 14:32	-5	3	-1		4/23/2016 14:07	-5.5	-1	-3.25
	4/23/16 14:47	-10.5	8	-1.25		4/23/2016 14:22	-8	0	-4
	4/23/16 15:02	-16.5	6.5	-5		4/23/2016 14:37	-6	2	-2
	4/23/16 15:17	-14	1	-6.5		4/23/2016 14:52	-5.5	1	-2.25
	4/23/16 15:32	-5	4	-0.5		4/23/2016 15:07	-3.5	1.5	-1
	4/23/16 15:47	-18	4	-7		4/23/2016 15:22	-6	2.5	-1.75
	4/23/16 16:02	-17	6.5	-5.25		4/23/2016 15:37	-8	1.5	-3.25
	4/23/16 16:17	-12	5.5	-3.25		4/23/2016 15:52	-7.5	2	-2.75
	4/23/16 16:32	-16.5	7	-4.75		4/23/2016 16:07	-4.5	2	-1.25
	4/23/16 16:47	-18	3	-7.5		4/23/2016 16:22	-5.5	3	-1.25
	4/23/16 17:02	-24.5	6	-9.25		4/23/2016 16:37	-6.5	1.5	-2.5
	4/23/16 17:17	-16.5	4	-6.25		4/23/2016 16:52	-5	2	-1.5
	4/23/16 17:32	-11	4	-3.5		4/23/2016 17:07	-4.5	3	-0.75
	4/23/16 17:47	-10.5	2.5	-4		4/23/2016 17:22	-4	-10	-7
	4/23/16 18:02	-9.5	1.5	-4		4/23/2016 17:37	-5.5	2.5	-1.5
	4/23/16 18:17	-8	3	-2.5		4/23/2016 17:52	-5	1	-2
	4/23/16 18:32	-6	4	-1		4/23/2016 18:07	-5.5	0.5	-2.5
	4/23/16 18:47	-11	4	-3.5		4/23/2016 18:22	-7.5	-0.5	-4
	4/23/16 19:02	-4	0	-2		4/23/2016 18:37	-4	1	-1.5
	4/23/16 19:17	-5	1.5	-1.75		4/23/2016 18:52	-4.5	-1	-2.75
	4/23/16 19:32	-4	1	-1.5		4/23/2016 19:07	-5.5	-0.5	-3
	4/23/16 19:47	-3	-0.5	-1.75		4/23/2016 19:22	-4	-1	-2.5
	4/23/16 20:02	-3	-1.5	-2.25		4/23/2016 19:37	-4.5	-1	-2.75
	4/23/16 20:17	-2.5	-1.5	-2		4/23/2016 19:52	-3	-2	-2.25
	4/23/16 20:32	-3	-2	-2.5		4/23/2016 20:07	-2.5	-2	-2.25
	4/23/16 20:47	-3	-2.5	-2.75		4/23/2016 20:22	-3	-2	-2.5
	4/23/16 21:02	-3	-2.5	-2.75		4/23/2016 20:37	-2.5	-2	-2.25
	4/23/16 21:17	-3	-2.5	-2.75		4/23/2016 20:52	-2.5	-2	-2.25
	4/23/16 21:32	-3	-2.5	-2.75		4/23/2016 21:07	-3	-2	-2.5
	4/23/16 21:47	-3.5	-2.5	-3		4/23/2016 21:22	-2.5	-2.5	-2.5
	4/23/16 22:02	-3.5	-3	-3.25		4/23/2016 21:37	-3	-2	-2.5
	4/23/16 22:17	-3.5	-3	-3.25		4/23/2016 21:52	-3	-2.5	-2.75

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/23/16 22:32	-3.5	-3	-3.25		4/23/2016 22:07	-3	-2.5	-2.75	-3.00
	4/23/16 22:47	-4	-3	-3.5		4/23/2016 22:22	-3	-2	-2.5	-3.00
	4/23/16 23:02	-3.5	-3	-3.25		4/23/2016 22:37	-3	-2.5	-2.75	-3.00
	4/23/16 23:17	-3.5	-3	-3.25		4/23/2016 22:52	-3	-2.5	-2.75	-3.00
	4/23/16 23:32	-3.5	-3	-3.25		4/23/2016 23:07	-3	-2.5	-2.75	-3.00
	4/23/16 23:47	-3.5	-3	-3.25		4/23/2016 23:22	-3	-2.5	-2.75	-3.00
	4/24/16 0:02	-3.5	-3	-3.25		4/23/2016 23:37	-3.5	-2.5	-3	-3.13
	4/24/16 0:17	-4	-3.5	-3.75		4/23/2016 23:52	-3.5	-2.5	-3	-3.38
	4/24/16 0:32	-4	-3.5	-3.75		4/24/2016 0:07	-3	-2.5	-2.75	-3.25
	4/24/16 0:47	-4	-3.5	-3.75		4/24/2016 0:22	-3	-2.5	-2.75	-3.25
	4/24/16 1:02	-4	-3.5	-3.75		4/24/2016 0:37	-3	-2.5	-2.75	-3.25
	4/24/16 1:17	-4	-3.5	-3.75		4/24/2016 0:52	-3	-2.5	-2.75	-3.25
	4/24/16 1:32	-4	-3.5	-3.75		4/24/2016 1:07	-3	-2.5	-2.75	-3.25
	4/24/16 1:47	-4	-3.5	-3.75		4/24/2016 1:22	-3	-2.5	-2.75	-3.25
	4/24/16 2:02	-4	-3.5	-3.75		4/24/2016 1:37	-3.5	-2.5	-3	-3.38
	4/24/16 2:17	-4	-3.5	-3.75		4/24/2016 1:52	-3.5	-3	-3.25	-3.50
	4/24/16 2:32	-4	-4	-4		4/24/2016 2:07	-3.5	-2.5	-3	-3.50
	4/24/16 2:47	-4	-3.5	-3.75		4/24/2016 2:22	-3.5	-2.5	-3	-3.38
	4/24/16 3:02	-4	-3	-3.5		4/24/2016 2:37	-3.5	-2.5	-3	-3.25
	4/24/16 3:17	-4	-3.5	-3.75		4/24/2016 2:52	-4	-2.5	-3.25	-3.50
	4/24/16 3:32	-4.5	-3.5	-4		4/24/2016 3:07	-4	-2.5	-3.25	-3.63
	4/24/16 3:47	-4	-3.5	-3.75		4/24/2016 3:22	-3.5	-3	-3.25	-3.50
	4/24/16 4:02	-4.5	-3.5	-4		4/24/2016 3:37	-3.5	-2.5	-3	-3.50
	4/24/16 4:17	-4	-3.5	-3.75		4/24/2016 3:52	-3.5	-3	-3.25	-3.50
	4/24/16 4:32	-4.5	-4	-4.25		4/24/2016 4:07	-3.5	-3	-3.25	-3.75
	4/24/16 4:47	-4	-3.5	-3.75		4/24/2016 4:22	-3.5	-3	-3.25	-3.50
	4/24/16 5:02	-4	-3.5	-3.75		4/24/2016 4:37	-3.5	-3	-3.25	-3.50
	4/24/16 5:17	-4.5	-4	-4.25		4/24/2016 4:52	-3.5	-3	-3.25	-3.75
	4/24/16 5:32	-4	-3.5	-3.75		4/24/2016 5:07	-3.5	-2.5	-3	-3.38
	4/24/16 5:47	-4.5	-3.5	-4		4/24/2016 5:22	-3.5	-3	-3.25	-3.63
	4/24/16 6:02	-4.5	-4	-4.25		4/24/2016 5:37	-3.5	-3	-3.25	-3.75
	4/24/16 6:17	-4.5	-4	-4.25		4/24/2016 5:52	-3.5	-2.5	-3	-3.63
	4/24/16 6:32	-4.5	-4	-4.25		4/24/2016 6:07	-3.5	-3	-3.25	-3.75
	4/24/16 6:47	-4	-4	-4		4/24/2016 6:22	-3.5	-3	-3.25	-3.63
	4/24/16 7:02	-4.5	-4	-4.25		4/24/2016 6:37	-3.5	-3	-3.25	-3.75
	4/24/16 7:17	-4	-3.5	-3.75		4/24/2016 6:52	-3.5	-3	-3.25	-3.50
	4/24/16 7:32	-4.5	-4	-4.25		4/24/2016 7:07	-4	-3	-3.5	-3.88
	4/24/16 7:47	-4	-3.5	-3.75		4/24/2016 7:22	-3.5	-3	-3.25	-3.50
	4/24/16 8:02	-4	-3.5	-3.75		4/24/2016 7:37	-3.5	-2.5	-3	-3.38
	4/24/16 8:17	-4	-3.5	-3.75		4/24/2016 7:52	-3.5	-2.5	-3	-3.38
	4/24/16 8:32	-3.5	-3	-3.25		4/24/2016 8:07	-3.5	-2.5	-3	-3.13
	4/24/16 8:47	-3.5	-2.5	-3		4/24/2016 8:22	-3	-2.5	-2.75	-2.88
	4/24/16 9:02	-3.5	-2.5	-3		4/24/2016 8:37	-3.5	-3	-3.25	-3.13
	4/24/16 9:17	-3	-2	-2.5		4/24/2016 8:52	-4	-2.5	-3.25	-2.88
	4/24/16 9:32	-3.5	-2	-2.75		4/24/2016 9:07	-4	-2	-3	-2.88
	4/24/16 9:47	-3	-2	-2.5		4/24/2016 9:22	-4.5	-2	-3.25	-2.88
	4/24/16 10:02	-3	-2	-2.5		4/24/2016 9:37	-3.5	-2	-2.75	-2.63
	4/24/16 10:17	-3.5	-1	-2.25		4/24/2016 9:52	-3.5	-2	-2.75	-2.50
	4/24/16 10:32	-4.5	-1.5	-3		4/24/2016 10:07	-4	-1	-2.5	-2.75
	4/24/16 10:47	-7.5	-2	-4.75		4/24/2016 10:22	-3	-1.5	-2.25	-3.50
	4/24/16 11:02	-7	-2	-4.5		4/24/2016 10:37	-3	-0.5	-1.75	-3.13
	4/24/16 11:17	-8.5	-1.5	-5		4/24/2016 10:52	-2	0	-1	-3.00
	4/24/16 11:32	-11	-1	-6		4/24/2016 11:07	-2	0.5	-0.75	-3.38
	4/24/16 11:47	-8.5	-1	-4.75		4/24/2016 11:22	-2.5	0	-1.25	-3.00
	4/24/16 12:02	-5	0.5	-2.25		4/24/2016 11:37	-2	0.5	-0.75	-1.50
	4/24/16 12:17	-5.5	1.5	-2		4/24/2016 11:52	-2	0.5	-0.75	-1.38
	4/24/16 12:32	-5.5	0	-2.75		4/24/2016 12:07	-3.5	0	-1.75	-2.25
	4/24/16 12:47	-4.5	0.5	-2		4/24/2016 12:22	-4.5	1	-1.75	-1.88
	4/24/16 13:02	-7.5	-0.5	-4		4/24/2016 12:37	-2.5	0	-1.25	-2.63
	4/24/16 13:17	-2.5	0	-1.25		4/24/2016 12:52	-2	1.5	-0.25	-0.75
	4/24/16 13:32	-4.5	-0.5	-2.5		4/24/2016 13:07	-5.5	2	-1.75	-2.13
	4/24/16 13:47	-7	-0.5	-3.75		4/24/2016 13:22	-2.5	0	-1.25	-2.50
	4/24/16 14:02	-7	1	-3		4/24/2016 13:37	-2	0.5	-0.75	-1.88
	4/24/16 14:17	-1.5	1	-0.25		4/24/2016 13:52	-1.5	2	0.25	0.00
	4/24/16 14:32	-3	1	-1		4/24/2016 14:07	-4.5	0	-2.25	-1.63
	4/24/16 14:47	-2	2.5	0.25		4/24/2016 14:22	-4.5	0	-2.25	-1.00
	4/24/16 15:02	-6.5	1	-2.75		4/24/2016 14:37	-7.5	0	-3.75	-3.25
	4/24/16 15:17	-10.5	0	-5.25		4/24/2016 14:52	-7.5	-1	-4.25	-4.75
	4/24/16 15:32	-9	1.5	-3.75		4/24/2016 15:07	-4	0.5	-1.75	-2.75
	4/24/16 15:47	-10.5	1	-4.75		4/24/2016 15:22	-2.5	1	-0.75	-2.75
	4/24/16 16:02	-8	0	-4		4/24/2016 15:37	-5.5	2	-1.75	-2.88
	4/24/16 16:17	-7.5	2	-2.75		4/24/2016 15:52	-1.5	1	-0.25	-1.50
	4/24/16 16:32	-7	2	-2.5		4/24/2016 16:07	-4	2	-1	-1.75
	4/24/16 16:47	-4	3.5	-0.25		4/24/2016 16:22	-6	0	-3	-1.63
	4/24/16 17:02	-7.5	7	-0.25		4/24/2016 16:37	-6	2	-2	-1.13
	4/24/16 17:17	-10.5	5.5	-2.5		4/24/2016 16:52	-5.5	1.5	-2	-2.25
	4/24/16 17:32	-8.5	2.5	-3		4/24/2016 17:07	-5	1.5	-1.75	-2.38
	4/24/16 17:47	-3.5	1	-1.25		4/24/2016 17:22	-4.5	1.5	-1.5	-1.38
	4/24/16 18:02	-1.5	1.5	0		4/24/2016 17:37	-4.5	0.5	-2	-1.00
	4/24/16 18:17	-1.5	1.5	0		4/24/2016 17:52	-5	2	-1.5	-0.75
	4/24/16 18:32	-2.5	1	-0.75		4/24/2016 18:07	-7.5	-1	-4.25	-2.50
	4/24/16 18:47	-1.5	0	-0.75		4/24/2016 18:22	-6.5	-1.5	-4	-2.38
	4/24/16 19:02	-2.5	0	-1.25		4/24/2016 18:37	-5	-1	-3	-2.13
	4/24/16 19:17	-2.5	1	-0.75		4/24/2016 18:52	-5.5	-1	-3.25	-2.00
	4/24/16 19:32	-2	0	-1		4/24/2016 19:07	-5	0	-2.5	-1.75
	4/24/16 19:47	-2	0.5	-0.75		4/24/2016 19:22	-4.5	-1	-2.75	-1.75
	4/24/16 20:02	-1.5	0	-0.75		4/24/2016 19:37	-4.5	-1	-2.75	-1.75
	4/24/16 20:17	-2	-0.5	-1.25		4/24/2016 19:52	-6	-1	-3.5	-2.38
	4/24/16 20:32	-2	-1	-1.5		4/24/2016 20:07	-4.5	-1	-2.75	-2.13
	4/24/16 20:47	-2	-1.5	-1.75		4/24/2016 20:22	-4.5	-1.5	-3	-2.38
	4/24/16 21:02	-2	-1	-1.5		4/24/2016 20:37	-2.5	-1.5	-2	-1.75
	4/24/16 21:17	-2	-1.5	-1.75		4/24/2016 20:52	-3	-1.5	-2.25	-2.00
	4/24/16 21:32	-2	-1.5	-1.75		4/24/2016 21:07	-2.5	-1.5	-2	-1.88
	4/24/16 21:47	-2	-1	-1.5		4/24/2016 21:22	-2.5	-1.5	-2	-1.75
	4/24/16 22:02	-2	-1	-1.5		4/24/2016 21:37	-3	-1.5	-2.25	-1.88
	4/24/16 22:17	-2	-1.5	-1.75		4/24/2016 21:52	-3.5	-1.5	-2.5	-2.13
	4/24/16 22:32	-2	-1	-1.5		4/24/2016 22:07	-3	-1.5	-2.25	-1.88
	4/24/16 22:47	-2	-1	-1.5		4/24/2016 22:22	-3.5	-1.5	-2.5	-2.00
	4/24/16 23:02	-2	-1	-1.5		4/24/2016 22:37	-3.5	-1.5	-2.5	-2.00
	4/24/16 23:17	-2	-1	-1.5		4/24/2016 22:52	-3.5	-1.5	-2.5	-2.00
	4/24/16 23:32	-2	-1.5	-1.75		4/24/2016 23:07	-4.5	-2	-3.25	-2.50
	4/24/16 23:47	-2	-1.5	-1.75		4/24/2016 23:22	-4.5	-1.5	-3	-2.38
	4/25/16 0:02	-2	-1.5	-1.75		4/24/2016 23:37	-3	-1.5	-2.25	-2.00
	4/25/16 0:17	-2	-1.5	-1.75		4/24/2016 23:52	-3.5	-2	-2.75	-2.25
	4/25/16 0:32	-2	-1.5	-1.75		4/25/2016 0:07	-3	-1.5	-2.25	-2.00
	4/25/16 0:47	-2.5	-1.5	-2		4/25/2016 0:22	-3.5	-1.5	-2.5	-2.25
	4/25/16 1:02	-2.5	-2	-2.25		4/25/2016 0:37	-2.5	-1.5	-2	-2.13
	4/25/16 1:17	-2	-1.5	-1.75		4/25/2016 0:52	-2	-1.5	-1.75	-1.75
	4/25/16 1:32	-2	-1.5	-1.75		4/25/2016 1:07	-2	-1.5	-1.75	-1.75
	4/25/16 1:47	-2	-1.5	-1.75		4/25/2016 1:22	-2.5	-1.5	-2	-1.88
	4/25/16 2:02	-2	-1.5	-1.75		4/25/2016 1:37	-2	-1.5	-1.75	-1.75
	4/25/16 2:17	-2.5	-1.5	-2		4/25/2016 1:52	-2	-1.5	-1.75	-1.88
	4/25/16 2:32	-2	-1.5	-1.75		4/25/2016 2:07	-2.5	-1.5	-2	-1.88
	4/25/16 2:47	-2.5	-2	-2.25		4/25/2016 2:22	-2	-1.5	-1.75	-2.00
	4/25/16 3:02	-2	-2	-2		4/25/2016 2:37	-2	-1.5	-1.75	-1.88
	4/25/16 3:17	-2.5	-2	-2.25		4/25/2016 2:52	-2	-1.		

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2					
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/25/16 5:32	-2.5	-2	-2.25		4/25/2016 5:07	-2	-2	-2	-2.13
	4/25/16 5:47	-3	-2	-2.5		4/25/2016 5:22	-2.5	-2	-2.25	-2.38
	4/25/16 6:02	-2.5	-2	-2.25		4/25/2016 5:37	-2.5	-1.5	-2	-2.13
	4/25/16 6:17	-2.5	-2	-2.25		4/25/2016 5:52	-2.5	-1.5	-2	-2.13
	4/25/16 6:32	-2.5	-2.5	-2.5		4/25/2016 6:07	-2.5	-2	-2.25	-2.38
	4/25/16 6:47	-3	-2.5	-2.75		4/25/2016 6:22	-2.5	-2	-2.25	-2.50
	4/25/16 7:02	-2.5	-2.5	-2.5		4/25/2016 6:37	-2.5	-2	-2.25	-2.38
	4/25/16 7:17	-2.5	-0.5	-1.5		4/25/2016 6:52	-2.5	-2	-2.25	-1.88
	4/25/16 7:32	-2.5	-1.5	-2		4/25/2016 7:07	-2.5	-2	-2.25	-2.13
	4/25/16 7:47	-2.5	-1.5	-2		4/25/2016 7:22	-3.5	-1.5	-2.5	-2.25
	4/25/16 8:02	-2	0	-1		4/25/2016 7:37	-3	-2	-2.5	-1.75
	4/25/16 8:17	-0.5	0.5	0		4/25/2016 7:52	-3.5	-2	-2.75	-1.38
	4/25/16 8:32	-0.5	0.5	0		4/25/2016 8:07	-3	0	-1.5	-0.75
	4/25/16 8:47	-0.5	0	-0.25		4/25/2016 8:22	-4	0	-2	-1.13
	4/25/16 9:02	-0.5	0	-0.25		4/25/2016 8:37	-2.5	0	-1.25	-0.75
	4/25/16 9:17	0	0	0		4/25/2016 8:52	-1.5	0	-0.75	-0.38
	4/25/16 9:32	0	1	0.5		4/25/2016 9:07	-1.5	0	-0.75	-0.13
	4/25/16 9:47	-0.5	1	0.25		4/25/2016 9:22	-3	0.5	-1.25	-0.50
	4/25/16 10:02	-0.5	0.5	0		4/25/2016 9:37	-4.5	0	-2.25	-1.13
	4/25/16 10:17	0	0	0		4/25/2016 9:52	-4.5	0	-2.25	-1.13
	4/25/16 10:32	0	0.5	0.25		4/25/2016 10:07	-3.5	0	-1.75	-0.75
	4/25/16 10:47	-1	0.5	-0.25		4/25/2016 10:22	-2.5	0	-1.25	-0.75
	4/25/16 11:02	-1	1	0		4/25/2016 10:37	-2.5	0	-1.25	-0.63
	4/25/16 11:17	-0.5	0.5	0		4/25/2016 10:52	-1	2.5	0.75	0.38
	4/25/16 11:32	-0.5	1	0.25		4/25/2016 11:07	-1.5	2.5	0.5	0.38
	4/25/16 11:47	-0.5	1	0.25		4/25/2016 11:22	-3.5	0.5	-1.5	-0.63
	4/25/16 12:02	-0.5	0.5	0		4/25/2016 11:37	-4	2.5	-0.75	-0.38
	4/25/16 12:17	-2	0.5	-0.75		4/25/2016 11:52	-3	1.5	-0.75	-0.75
	4/25/16 12:32	-1.5	0.5	-0.5		4/25/2016 12:07	-3	8	2.5	1.00
	4/25/16 12:47	-1	0.5	-0.25		4/25/2016 12:22	-2.5	8	2.75	1.25
	4/25/16 13:02	-1	1	0		4/25/2016 12:37	-3.5	5	0.75	0.38
	4/25/16 13:17	-2	0.5	-0.75		4/25/2016 12:52	-5.5	1.5	-2	-1.38
	4/25/16 13:32	-2	0.5	-0.75		4/25/2016 13:07	-8	4	-2	-1.38
	4/25/16 13:47	-3	0.5	-1.25		4/25/2016 13:22	-3	4	0.5	-0.38
	4/25/16 14:02	-1.5	0.5	-0.5		4/25/2016 13:37	-2.5	3.5	0.5	0.00
	4/25/16 14:17	-2	2	0		4/25/2016 13:52	-4	9.5	2.75	1.38
	4/25/16 14:32	-2	2	0		4/25/2016 14:07	-2.5	6.5	2	1.00
	4/25/16 14:47	-3.5	3	-0.25		4/25/2016 14:22	-3.5	6	1.25	0.50
	4/25/16 15:02	-3.5	0.5	-1.5		4/25/2016 14:37	-1	5.5	2.25	0.38
	4/25/16 15:17	-4	0.5	-1.75		4/25/2016 14:52	-1	13	-7	-4.38
	4/25/16 15:32	-7	0.5	-3.25		4/25/2016 15:07	-2	-11.5	-6.75	-5.00
	4/25/16 15:47	-4.5	0.5	-2		4/25/2016 15:22	-2	9	3.5	0.75
	4/25/16 16:02	-2.5	1	-0.75		4/25/2016 15:37	0	-17	-8.5	-4.63
	4/25/16 16:17	-4	0.5	-1.75		4/25/2016 15:52	-0.5	6	2.75	0.50
	4/25/16 16:32	-4	0.5	-1.75		4/25/2016 16:07	-1.5	-13.5	-7.5	-4.63
	4/25/16 16:47	-6.5	-0.5	-3		4/25/2016 16:22	0	-13	-6.5	-4.75
	4/25/16 17:02	-4.5	0.5	-2		4/25/2016 16:37	0	9	4.5	1.25
	4/25/16 17:17	-1.5	0.5	-0.5		4/25/2016 16:52	0	-16	-8	-4.25
	4/25/16 17:32	-2.5	0.5	-1		4/25/2016 17:07	0	-10.5	-5.25	-3.13
	4/25/16 17:47	-0.5	0.5	0		4/25/2016 17:22	-0.5	6	2.75	1.38
	4/25/16 18:02	0	0.5	0.25		4/25/2016 17:37	-0.5	2.5	1	0.63
	4/25/16 18:17	0	0.5	0.25		4/25/2016 17:52	-1	1.5	0.25	0.25
	4/25/16 18:32	0	0	0		4/25/2016 18:07	-1	0.5	-0.25	-0.13
	4/25/16 18:47	0	0	0		4/25/2016 18:22	-1	0	-0.5	-0.25
	4/25/16 19:02	0	0	0		4/25/2016 18:37	-1	0	-0.5	-0.25
	4/25/16 19:17	0	0	0		4/25/2016 18:52	-1	0	-0.5	-0.25
	4/25/16 19:32	-0.5	0	-0.25		4/25/2016 19:07	-2	-0.5	-1.25	-0.75
	4/25/16 19:47	-2	0	-1		4/25/2016 19:22	-2	-0.5	-1.25	-1.13
	4/25/16 20:02	-2	0	-1		4/25/2016 19:37	-2	-0.5	-1.25	-1.13
	4/25/16 20:17	-1	-0.5	-0.75		4/25/2016 19:52	-1	0	-0.5	-0.63
	4/25/16 20:32	-3	-0.5	-1.75		4/25/2016 20:07	-2	0	-1	-1.38
	4/25/16 20:47	-6.5	-0.5	-3.5		4/25/2016 20:22	-1.5	-0.5	-1	-2.25
	4/25/16 21:02	-2	-0.5	-1.25		4/25/2016 20:37	-1.5	0	-0.75	-1.00
	4/25/16 21:17	-2.5	-0.5	-1.5		4/25/2016 20:52	-2	0	-1	-1.25
	4/25/16 21:32	-2	-0.5	-1.25		4/25/2016 21:07	-2	-0.5	-1.25	-1.25
	4/25/16 21:47	-1.5	-0.5	-1		4/25/2016 21:22	-2	0	-1	-1.00
	4/25/16 22:02	-1.5	-0.5	-1		4/25/2016 21:37	-2.5	0	-1.25	-1.13
	4/25/16 22:17	-2.5	-0.5	-1.5		4/25/2016 21:52	-2.5	1	-0.75	-1.13
	4/25/16 22:32	-3	-1	-2		4/25/2016 22:07	-2.5	-0.5	-1.5	-1.75
	4/25/16 22:47	-3.5	-1	-2.25		4/25/2016 22:22	-2.5	0	-1.25	-1.75
	4/25/16 23:02	-2.5	-0.5	-1.5		4/25/2016 22:37	-2.5	0	-1.25	-1.38
	4/25/16 23:17	-2.5	-1	-1.75		4/25/2016 22:52	-2	1	-0.5	-0.88
	4/25/16 23:32	-1.5	-0.5	-1		4/25/2016 23:07	-2	0.5	-0.75	-0.88
	4/25/16 23:47	-1.5	-1	-1.25		4/25/2016 23:22	-2	-1	-1.5	-1.38
	4/26/16 0:02	-1.5	-1	-1.25		4/25/2016 23:37	-2.5	-1	-1.75	-1.50
	4/26/16 0:17	-1.5	-1	-1.25		4/25/2016 23:52	-2.5	-1	-1.75	-1.50
	4/26/16 0:32	-2	-1	-1.5		4/26/2016 0:07	-2	-1	-1.5	-1.50
	4/26/16 0:47	-2	-1	-1.5		4/26/2016 0:22	-2	-1	-1.5	-1.50
	4/26/16 1:02	-2	-1	-1.5		4/26/2016 0:37	-2	-1	-1.5	-1.50
	4/26/16 1:17	-2	-1	-1.5		4/26/2016 0:52	-2	-1	-1.5	-1.50
	4/26/16 1:32	-2	-1	-1.5		4/26/2016 1:07	-2	-1	-1.5	-1.50
	4/26/16 1:47	-2	-1	-1.5		4/26/2016 1:22	-1.5	-1	-1.25	-1.38
	4/26/16 2:02	-1.5	-1	-1.25		4/26/2016 1:37	-2	-1	-1.5	-1.38
	4/26/16 2:17	-2	-1	-1.5		4/26/2016 1:52	-2	-1	-1.5	-1.50
	4/26/16 2:32	-2	-1	-1.5		4/26/2016 2:07	-2	-1	-1.5	-1.50
	4/26/16 2:47	-2	-1.5	-1.75		4/26/2016 2:22	-1.5	-1	-1.25	-1.50
	4/26/16 3:02	-2	-1	-1.5		4/26/2016 2:37	-1.5	-1	-1.25	-1.38
	4/26/16 3:17	-2	-1.5	-1.75		4/26/2016 2:52	-2	-1	-1.5	-1.63
	4/26/16 3:32	-2	-1	-1.5		4/26/2016 3:07	-2	-1	-1.5	-1.50
	4/26/16 3:47	-2.5	-1	-1.75		4/26/2016 3:22	-2	-1	-1.5	-1.63
	4/26/16 4:02	-23.5	-1	-12.25		4/26/2016 3:37	-2	-1	-1.5	-6.88
	4/26/16 4:07	0	0	0		4/26/2016 3:52	-2	-1	-1.5	-0.75
	4/26/16 4:08	0	0	0		4/26/2016 4:07	-2.5	4.5	1	0.50
	4/26/16 4:08	-60.5	0	-30.25		4/26/2016 4:22	-4	-24	-14	-22.13
	4/26/16 4:23	-60.5	0	-30.25		4/26/2016 4:37	-3	0	-1.5	-15.88
	4/26/16 4:38	-7	-2	-4.5		4/26/2016 4:52	-3	0.5	-1.25	-2.88
	4/26/16 4:53	-11	-2.5	-6.75		4/26/2016 5:07	-3	-1.5	-2.25	-4.50
	4/26/16 5:08	-4	-2	-3		4/26/2016 5:22	-3	0	-1.5	-2.25
	4/26/16 5:23	-7	-2.5	-4.75		4/26/2016 5:37	-2.5	-1.5	-2	-3.38
	4/26/16 5:38	-5	-2.5	-3.75		4/26/2016 5:52	-2.5	-2	-2.25	-3.00
	4/26/16 5:53	-3.5	-2.5	-3		4/26/2016 6:07	-5	-1.5	-3.25	-3.13
	4/26/16 6:08	-3	-0.5	-1.75		4/26/2016 6:22	-5	1	-2	

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2				
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	Average DP of both
	4/26/16 11:53	-1	3	1		4/26/2016 12:07	-5	3.5	-0.75
	4/26/16 12:08	-1	2	0.5		4/26/2016 12:22	-3.5	3.5	-1
	4/26/16 12:23	-0.5	1	0.25		4/26/2016 12:37	-2.5	3.5	0.5
	4/26/16 12:38	-1.5	0.5	-0.5		4/26/2016 12:52	-2.5	1.5	-0.5
	4/26/16 12:53	-1	1	0		4/26/2016 13:07	-1	1	0
	4/26/16 13:08	-1	0	-0.5		4/26/2016 13:22	-2.5	1.5	-0.5
	4/26/16 13:23	-1	1	0		4/26/2016 13:37	-2.5	0	-1.25
	4/26/16 13:38	-0.5	1.5	0.5		4/26/2016 13:52	-2	2.5	0.25
	4/26/16 13:53	-0.5	0.5	0		4/26/2016 14:07	-3.5	5.5	1
	4/26/16 14:08	-1.5	2.5	0.5		4/26/2016 14:22	-1.5	4	1.25
	4/26/16 14:23	-1	1	0		4/26/2016 14:37	-2	2	0
	4/26/16 14:38	-3	1.5	0.25		4/26/2016 14:52	-3	2	-0.5
	4/26/16 14:53	-0.5	1	0.25		4/26/2016 15:07	-2	6.5	2.25
	4/26/16 15:08	-1	1.5	0.25		4/26/2016 15:22	-3.5	5.5	1
	4/26/16 15:23	-1	1.5	0.25		4/26/2016 15:37	-3.5	6	1.25
	4/26/16 15:38	-1.5	1.5	0		4/26/2016 15:52	-5.5	6	0.25
	4/26/16 15:53	-4	2	-1		4/26/2016 16:07	-4.5	0	-2.25
	4/26/16 16:08	-5	0	-2.5		4/26/2016 16:22	-5	0.5	-2.25
	4/26/16 16:23	-8	1	-3.5		4/26/2016 16:37	-6.5	0	-3.25
	4/26/16 16:38	-10	-1	-5.5		4/26/2016 16:52	-6	2.5	-1.75
	4/26/16 16:53	-14	0	-7		4/26/2016 17:07	-4	1.5	-1.25
	4/26/16 17:08	-14	0	-7		4/26/2016 17:22	-3	2	-0.5
	4/26/16 17:23	-20.5	-3	-11.75		4/26/2016 17:37	-2.5	0	-1.25
	4/26/16 17:38	-9	-3	-6		4/26/2016 17:52	-4.5	-0.5	-2.5
	4/26/16 17:53	-8	-1.5	-4.75		4/26/2016 18:07	-3.5	-1	-2.25
	4/26/16 18:08	-7	-1.5	-4.25		4/26/2016 18:22	-6	-1.5	-3.75
	4/26/16 18:23	-6	-1	-3.5		4/26/2016 18:37	-6	-1.5	-3.75
	4/26/16 18:38	-6.5	-1.5	-4		4/26/2016 18:52	-4.5	-1.5	-3
	4/26/16 18:53	-6	-1	-3.5		4/26/2016 19:07	-6	-2	-4
	4/26/16 19:08	-3.5	-1	-2.25		4/26/2016 19:22	-5	-1.5	-3.25
	4/26/16 19:23	-4.5	-0.5	-2.5		4/26/2016 19:37	-5	-1.5	-3.25
	4/26/16 19:38	-3.5	-0.5	-2		4/26/2016 19:52	-6	-2	-4
	4/26/16 19:53	-3	-1	-2		4/26/2016 20:07	-6	-2	-4
	4/26/16 20:08	-3.5	-0.5	-2		4/26/2016 20:22	-7.5	-2	-4.75
	4/26/16 20:23	-3	-1	-2		4/26/2016 20:37	-6	-1	-3.5
	4/26/16 20:38	-3.5	-0.5	-2		4/26/2016 20:52	-6	-2	-4
	4/26/16 20:53	-3.5	-1	-2.25		4/26/2016 21:07	-6	-2	-4
	4/26/16 21:08	-3.5	-1.5	-2.5		4/26/2016 21:22	-5	-1.5	-3.25
	4/26/16 21:23	-3.5	-1	-2.25		4/26/2016 21:37	-7	-1	-4
	4/26/16 21:38	-4.5	1	-1.75		4/26/2016 21:52	-5.5	-1	-3.25
	4/26/16 21:53	-4	0	-2		4/26/2016 22:07	-5.5	-0.5	-3
	4/26/16 22:08	-4	-1	-2.5		4/26/2016 22:22	-8	-1.5	-4.75
	4/26/16 22:23	-4	0	-2		4/26/2016 22:37	-5	-2	-3.5
	4/26/16 22:38	-3.5	0	-1.75		4/26/2016 22:52	-8	-0.5	-4.25
	4/26/16 22:53	-4	-1	-2.5		4/26/2016 23:07	-7.5	-1.5	-4.5
	4/26/16 23:08	-3.5	-0.5	-2		4/26/2016 23:22	-7	-2	-4.5
	4/26/16 23:23	-3.5	-1	-2.25		4/26/2016 23:37	-7.5	-2	-4.75
	4/26/16 23:38	-3.5	-0.5	-2		4/26/2016 23:52	-5.5	-2.5	-4
	4/26/16 23:53	-3	-2	-2.5		4/27/2016 0:07	-7	-2.5	-4.75
	4/27/16 0:08	-3	-1.5	-2.25		4/27/2016 0:22	-5	-2	-3.5
	4/27/16 0:23	-3.5	-1	-2.25		4/27/2016 0:37	-4.5	-2	-3.25
	4/27/16 0:38	-3.5	-1	-2.25		4/27/2016 0:52	-3.5	-2.5	-3
	4/27/16 0:53	-3.5	-2	-2.75		4/27/2016 1:07	-3.5	-2.5	-3
	4/27/16 1:08	-3.5	-3	-3.25		4/27/2016 1:22	-3.5	-2.5	-3
	4/27/16 1:23	-3.5	-3	-3.25		4/27/2016 1:37	-3.5	-2.5	-3
	4/27/16 1:38	-3.5	-3	-3.25		4/27/2016 1:52	-3.5	-2.5	-3
	4/27/16 1:53	-3.5	-3	-3.25		4/27/2016 2:07	-3.5	-2.5	-3
	4/27/16 2:08	-3.5	-3	-3.25		4/27/2016 2:22	-4.5	-2.5	-3.5
	4/27/16 2:23	-3.5	-2.5	-3		4/27/2016 2:37	-5	-2.5	-3.75
	4/27/16 2:38	-3.5	-2.5	-3		4/27/2016 2:52	-5	-2.5	-3.75
	4/27/16 2:53	-3.5	-2.5	-3		4/27/2016 3:07	-4.5	-2.5	-3.5
	4/27/16 3:08	-3.5	-2	-2.75		4/27/2016 3:22	-5.5	-2	-3.75
	4/27/16 3:23	-3.5	-2	-2.75		4/27/2016 3:37	-5.5	-2.5	-4
	4/27/16 3:38	-3.5	-2	-2.75		4/27/2016 3:52	-9	-1.5	-5.25
	4/27/16 3:53	-3.5	-1	-2.25		4/27/2016 4:07	-6.5	-2.5	-4.5
	4/27/16 4:08	-3.5	-1.5	-2.5		4/27/2016 4:22	-5	-2	-3.5
	4/27/16 4:23	-4	-1.5	-2.75		4/27/2016 4:37	-4.5	-2.5	-3.5
	4/27/16 4:38	-4	-2	-3		4/27/2016 4:52	-5.5	-2	-3.75
	4/27/16 4:53	-3.5	-1.5	-2.5		4/27/2016 5:07	-5	-2.5	-3.75
	4/27/16 5:08	-3.5	-2	-2.75		4/27/2016 5:22	-4.5	-1.5	-3
	4/27/16 5:23	-3.5	-2.5	-3		4/27/2016 5:37	-4.5	-2.5	-3.5
	4/27/16 5:38	-3.5	-2.5	-3		4/27/2016 5:52	-4	-2.5	-3.25
	4/27/16 5:53	-4	-3	-3.5		4/27/2016 6:07	-4	-2.5	-3.25
	4/27/16 6:08	-3.5	-3	-3.25		4/27/2016 6:22	-3.5	-2.5	-3
	4/27/16 6:23	-4	-3	-3.5		4/27/2016 6:37	-3.5	-2.5	-3
	4/27/16 6:38	-4	-3	-3.5		4/27/2016 6:52	-3.5	-2.5	-3
	4/27/16 6:53	-4	-3.5	-3.75		4/27/2016 7:07	-4	-2.5	-3.25
	4/27/16 7:08	-3.5	-3	-3.25		4/27/2016 7:22	-4	-3	-3.5
	4/27/16 7:23	-4	-3	-3.5		4/27/2016 7:37	-5	-3	-4
	4/27/16 7:38	-3.5	-2.5	-3		4/27/2016 7:52	-5	-2.5	-3.75
	4/27/16 7:53	-3.5	-2	-2.75		4/27/2016 8:07	-5	-2.5	-3.75
	4/27/16 8:08	-3.5	-2.5	-3		4/27/2016 8:22	-6	-2.5	-4.25
	4/27/16 8:23	-3	-1.5	-2.25		4/27/2016 8:37	-6.5	-2	-4.25
	4/27/16 8:38	-3	-1.5	-2.25		4/27/2016 8:52	-9	-2	-5.5
	4/27/16 8:53	-3	0	-1.5		4/27/2016 9:07	-9.5	-2.5	-6
	4/27/16 9:08	-2.5	0	-1.25		4/27/2016 9:22	-10	-2	-6
	4/27/16 9:23	-3	0	-1.5		4/27/2016 9:37	-9.5	-2.5	-6
	4/27/16 9:38	-2.5	1	-0.75		4/27/2016 9:52	-10	-2	-6
	4/27/16 9:53	-2.5	0.5	-1		4/27/2016 10:07	-8.5	-2	-5.25
	4/27/16 10:11	-2	1	-0.5		4/27/2016 10:19	-10.5	-0.5	-5.5
	4/27/16 10:26	-2	1	-0.5		4/27/2016 10:34	-10.5	-0.5	-5.5
	4/27/16 10:41	-2.5	1.5	-0.5		4/27/2016 10:49	-9	0	-4.5
	4/27/16 10:56	-2.5	1	-0.75		4/27/2016 11:04	-7.5	-1	-4.25
	4/27/16 11:11	-2.5	0	-1.25		4/27/2016 11:19	-6	-0.5	-3.25
	4/27/16 11:26	-2	0.5	-0.75		4/27/2016 11:34	-6.5	-0.5	-3.5
	4/27/16 11:41	-5.5	0.5	-2.5		4/27/2016 11:49	-7	0	-3.5
	4/27/16 11:56	-3	1.5	-0.75		4/27/2016 12:04	-8	-1.5	-4.75
	4/27/16 12:11	-3	1.5	-0.75		4/27/2016 12:19	-9	0	-4.5
	4/27/16 12:26	-3.5	3	-0.25		4/27/2016 12:34	-7.5	-0.5	-4
	4/27/16 12:41	-2	3	0.5		4/27/2016 12:49	-11.5	-1	-6.25
	4/27/16 12:56	-3.5	2	-0.75		4/27/2016 13:04	-7.5	0	-3.75
	4/27/16 13:11	-4.5	3.5	-0.5		4/27/2016 13:19	-10	0	-5
	4/27/16 13:26	-3.5	2.5	-0.5		4/27/2016 13:34	-15.5	-0.5	-8
	4/27/16 13:41	-2	4	1		4/27/2016 13:49	-9.5	0.5	-4.5
	4/27/16 13:56	-2.5	3	0.25		4/27/2016 14:04	-8	0	-4
	4/27/16 14:11	-3.5	2	-0.75		4/27/2016 14:19	-8	0.5	-3.75
	4/27/16 14:26	-2.5	2	-0.25		4/27/2016 14:34	-8.5	1	-3.75
	4/27/16 14:41	-3	2	-0.5		4/27/2016 14:49	-9.5	1.5	-4
	4/27/16 14:56	-5	2	-1.5		4/27/2016 15:04	-6.5	1	-2.75
	4/27/16 15:11	-4	4	0		4/27/2016 15:19	-10.5	0	-5.25
	4/27/16 15:26	-2.5	4	0.75		4/27/2016 15:34	-8	0.5	-3.75
	4/27/16 15:41	-2.5	2	-0.25		4/27/2016 15:49	-7	0	-3.5
	4/27/16 15:56	-5.5	4	-0.75		4/27/2016 16:04	-10	1	-4.5
	4/27/16 16:11	-2.5	3.5	0.5		4/27/2016 16:19	-11.5	-0.5	-6
	4/27/16 16:26	-6	2.5	-1.75		4/27/2016 16:34	-7	3	-2
	4/27/16 16:41	-13	3	-5		4/27/2016 16:49	-9	1.5	-3.75
	4/27/16 16:56	-3.5	4	0.25		4/27/2016 17:04	-7	-0.5	-3.75
	4/27/16 17:11	-3.5	2.5	-0.5		4/27/2016 17:19	-8	0	-4
	4/27/16 17:26	-6	3	-1.5		4/27/2016 17:34	-8	2	-3
	4/27/16 17:41	-12	1.5	-5.25		4/27/2016 17:49	-4.5	0	-2.25
	4/27/16 17:56	-7	1	-3		4/27/2016 18:04	-4.5	0.5	-2
	4/27/16 18:11	-7	0	-3.5		4/27/2016 18:19	-4.5	0.5	-2
	4/27/16 18:26	-5.5	1.5	-2		4/27/2016 18:34	-4.5	-0.5	-2.5
	4/27/16 18:41	-4.5	0	-2.25		4/27/2016 18:49	-3	-0.5	-1.75

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
 Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/27/16 18:56	-5.5	0	-2.75		4/27/2016 19:04	-2.5	-0.5	-1.5	-2.13
	4/27/16 19:11	-5.5	-0.5	-3		4/27/2016 19:19	-1.5	-0.5	-1	-2.00
	4/27/16 19:26	-6	-0.5	-3.25		4/27/2016 19:34	-1.5	-0.5	-1	-2.13
	4/27/16 19:41	-5	-1.5	-3.25		4/27/2016 19:49	-2.5	-0.5	-1.5	-2.38
	4/27/16 19:56	-4.5	-1	-2.75		4/27/2016 20:04	-2.5	-1	-1.75	-2.25
	4/27/16 20:11	-5	0	-2.5		4/27/2016 20:19	-4	-1	-2.5	-2.50
	4/27/16 20:26	-4.5	-1	-2.75		4/27/2016 20:34	-3	-0.5	-1.75	-2.25
	4/27/16 20:41	-3.5	-0.5	-2		4/27/2016 20:49	-3.5	-0.5	-2	-2.00
	4/27/16 20:56	-6.5	1	-2.75		4/27/2016 21:04	-2.5	-1.5	-2	-2.38
	4/27/16 21:11	-2.5	-2	-2.25		4/27/2016 21:19	-3	-2	-2.5	-2.38
	4/27/16 21:26	-2.5	-2	-2.25		4/27/2016 21:34	-3	-1.5	-2.25	-2.25
	4/27/16 21:41	-2.5	-3	-2.25		4/27/2016 21:49	-3	-2	-2.5	-2.38
	4/27/16 21:56	-2.5	-2	-2.25		4/27/2016 22:04	-3	-2	-2.5	-2.38
	4/27/16 22:11	-3	-2	-2.5		4/27/2016 22:19	-2.5	-2	-2.25	-2.38
	4/27/16 22:26	-3	-2.5	-2.75		4/27/2016 22:34	-3	-2	-2.5	-2.63
	4/27/16 22:41	-3	-2.5	-2.75		4/27/2016 22:49	-2.5	-2	-2.25	-2.50
	4/27/16 22:56	-3	-2.5	-2.75		4/27/2016 23:04	-2.5	-2	-2.25	-2.50
	4/27/16 23:11	-3	-2.5	-2.75		4/27/2016 23:19	-3	-2	-2.5	-2.63
	4/27/16 23:26	-3	-2	-2.5		4/27/2016 23:34	-3.5	-2	-2.75	-2.63
	4/27/16 23:41	-3	-2.5	-2.75		4/27/2016 23:49	-3	-2	-2.5	-2.63
	4/27/16 23:56	-3	-2.5	-2.75		4/28/2016 0:04	-3	-2	-2.5	-2.63
	4/28/16 0:11	-3	-2.5	-2.75		4/28/2016 0:19	-3	-2	-2.5	-2.63
	4/28/16 0:26	-3	-2	-2.5		4/28/2016 0:34	-3	-2	-2.5	-2.63
	4/28/16 0:41	-3	-2.5	-2.75		4/28/2016 0:49	-3.5	-2.5	-3	-2.88
	4/28/16 0:56	-3	-2.5	-2.75		4/28/2016 1:04	-3.5	-2.5	-3	-2.88
	4/28/16 1:11	-3	-2.5	-2.75		4/28/2016 1:19	-3	-2	-2.5	-2.63
	4/28/16 1:26	-3	-3	-3		4/28/2016 1:34	-3.5	-2	-2.75	-2.88
	4/28/16 1:41	-3	-2.5	-2.75		4/28/2016 1:49	-3.5	-2.5	-3	-2.88
	4/28/16 1:56	-3	-2	-2.5		4/28/2016 2:04	-4	-2	-3	-2.75
	4/28/16 2:11	-3.5	-2	-2.75		4/28/2016 2:19	-4	-2	-3	-2.88
	4/28/16 2:26	-3	-2	-2.5		4/28/2016 2:34	-4	-2	-3	-2.75
	4/28/16 2:41	-3	-2.5	-2.75		4/28/2016 2:49	-3.5	-2	-2.75	-2.75
	4/28/16 2:56	-3.5	-2.5	-3		4/28/2016 3:04	-3.5	-2	-2.75	-2.88
	4/28/16 3:11	-3	-2	-2.5		4/28/2016 3:19	-5	-2	-3.5	-3.00
	4/28/16 3:26	-3	-2	-2.5		4/28/2016 3:34	-4.5	-2	-3.25	-2.88
	4/28/16 3:41	-3	-2.5	-2.75		4/28/2016 3:49	-3.5	-2	-2.75	-2.75
	4/28/16 3:56	-3	-2	-2.5		4/28/2016 4:04	-4	-2.5	-3.25	-2.88
	4/28/16 4:11	-3	-1.5	-2.25		4/28/2016 4:19	-4.5	-2	-3.25	-2.75
	4/28/16 4:26	-3	-1	-2		4/28/2016 4:34	-5	-1.5	-3.25	-2.63
	4/28/16 4:41	-3	-2	-2.5		4/28/2016 4:49	-4.5	-1.5	-3.25	-3.00
	4/28/16 4:56	-3	-2.5	-2.75		4/28/2016 5:04	-3.5	-2.5	-3	-2.88
	4/28/16 5:11	-3	-2	-2.5		4/28/2016 5:19	-3	-2	-2.5	-2.50
	4/28/16 5:26	-3	-2	-2.5		4/28/2016 5:34	-3.5	-2	-2.75	-2.63
	4/28/16 5:41	-2.5	-1.5	-2		4/28/2016 5:49	-4	-2.5	-3.25	-2.63
	4/28/16 5:56	-3	-2	-2.5		4/28/2016 6:04	-4	-2	-3	-2.75
	4/28/16 6:11	-2.5	-2	-2.25		4/28/2016 6:19	-4	-2	-3	-2.88
	4/28/16 6:26	-3	-2	-2.5		4/28/2016 6:34	-4.5	-2	-3.25	-2.88
	4/28/16 6:41	-2.5	-1.5	-2		4/28/2016 6:49	-5.5	-1.5	-3.5	-2.75
	4/28/16 6:56	-3	-1	-2		4/28/2016 7:04	-6.5	-2	-4.25	-3.13
	4/28/16 7:11	-2.5	-1	-1.75		4/28/2016 7:19	-7	-2	-4.5	-3.13
	4/28/16 7:26	-3	0	-1.5		4/28/2016 7:34	-6	-0.5	-3.25	-3.38
	4/28/16 7:41	-2.5	1	-0.75		4/28/2016 7:49	-5.5	-1.5	-3.5	-2.13
	4/28/16 7:56	-2.5	-0.5	-1.5		4/28/2016 8:04	-6	-1.5	-3.75	-2.63
	4/28/16 8:11	-3	0	-1.5		4/28/2016 8:19	-8	-0.5	-4.25	-2.88
	4/28/16 8:26	-2.5	0.5	-1		4/28/2016 8:34	-7	0	-3.5	-2.25
	4/28/16 8:41	-1	1	0		4/28/2016 8:49	-5	0	-2.5	-1.25
	4/28/16 8:56	-0.5	1	0.25		4/28/2016 9:04	-7.5	-0.5	-4	-1.88
	4/28/16 9:11	-1	1	0		4/28/2016 9:19	-9	0	-4.5	-2.25
	4/28/16 9:26	-0.5	1.5	0.5		4/28/2016 9:34	-9.5	0	-4.75	-2.13
	4/28/16 9:41	-2	0.5	-0.75		4/28/2016 9:49	-8.5	-1.5	-5	-2.88
	4/28/16 9:56	-3	0.5	-1.25		4/28/2016 10:04	-11	-2	-6.5	-3.88
	4/28/16 10:11	-3	1	-1		4/28/2016 10:19	-11	-1.5	-6.25	-3.63
	4/28/16 10:26	-2.5	2.5	0		4/28/2016 10:34	-12.5	-1.5	-7	-3.50
	4/28/16 10:41	-2	1.5	-0.25		4/28/2016 10:49	-16	-1	-8.5	-4.38
	4/28/16 10:56	-2	2	0		4/28/2016 11:04	-9	-1.5	-5.25	-2.63
	4/28/16 11:11	-1	5	2		4/28/2016 11:19	-7.5	-0.5	-4	-1.00
	4/28/16 11:26	-2	4	1		4/28/2016 11:34	-11	-1	-6	-2.50
	4/28/16 11:41	-1.5	4.5	1.5		4/28/2016 11:49	-12.5	-2	-7.25	-2.88
	4/28/16 11:56	-1	3.5	1.25		4/28/2016 12:04	-13.5	-1	-7.25	-3.00
	4/28/16 12:11	-2	4.5	1.25		4/28/2016 12:19	-11.5	-1.5	-6.5	-2.63
	4/28/16 12:26	-2	2	0		4/28/2016 12:34	-12	-1.5	-6.75	-3.38
	4/28/16 12:41	-2	2.5	0.25		4/28/2016 12:49	-10.5	-1	-5.75	-2.75
	4/28/16 12:56	-1.5	0.5	-0.5		4/28/2016 13:04	-7.5	-2	-4.75	-2.63
	4/28/16 13:11	-1.5	0.5	-0.5		4/28/2016 13:19	-6	-0.5	-3.25	-1.88
	4/28/16 13:26	-1.5	0.5	-0.5		4/28/2016 13:34	-6	0	-3	-1.75
	4/28/16 13:41	-2.5	0	-1.25		4/28/2016 13:49	-6	-1	-3.5	-2.38
	4/28/16 13:56	-2	0	-1		4/28/2016 14:04	-7	-0.5	-3.75	-2.38
	4/28/16 14:11	-2.5	1	-0.75		4/28/2016 14:19	-11.5	1	-5.25	-3.00
	4/28/16 14:26	-3	3.5	0.25		4/28/2016 14:34	-7.5	-1	-4.25	-2.00
	4/28/16 14:41	-2.5	-0.5	-1.5		4/28/2016 14:49	-6	-1.5	-3.75	-2.63
	4/28/16 14:56	-3	0.5	-1.25		4/28/2016 15:04	-8.5	-0.5	-4.5	-2.88
	4/28/16 15:11	-2.5	0.5	-1		4/28/2016 15:19	-10.5	0	-5.25	-3.13
	4/28/16 15:26	-2.5	2	-0.25		4/28/2016 15:34	-8.5	-0.5	-4.5	-2.38
	4/28/16 15:41	-4	1.5	-1.25		4/28/2016 15:49	-8	0	-4	-2.63
	4/28/16 15:56	-3.5	1.5	-1		4/28/2016 16:04	-9.5	-1.5	-5.5	-3.25
	4/28/16 16:11	-2.5	1	-0.75		4/28/2016 16:19	-7	-2	-4.5	-2.63
	4/28/16 16:26	-3	0.5	-1.25		4/28/2016 16:34	-8.5	-1.5	-5	-3.13
	4/28/16 16:41	-2	0	-1		4/28/2016 16:49	-8	-1.5	-4.75	-2.88
	4/28/16 16:56	-2.5	0.5	-1		4/28/2016 17:04	-7.5	-1.5	-4.5	-2.75
	4/28/16 17:11	-2.5	0	-1.25		4/28/2016 17:19	-8.5	-2	-5.25	-3.25
	4/28/16 17:26	-2	0	-1		4/28/2016 17:34	-5.5	-2	-3.75	-2.38
	4/28/16 17:41	-2	-0.5	-1.25		4/28/2016 17:49	-6	-2	-4	-2.63
	4/28/16 17:56	-2.5	0	-1.25		4/28/2016 18:04	-5.5	-1.5	-3.5	-2.38
	4/28/16 18:11	-3	0	-1.5		4/28/2016 18:19	-6.5	-2	-4.25	-2.88
	4/28/16 18:26	-2	0	-1		4/28/2016 18:34	-7.5	-2	-4.75	-2.88
	4/28/16 18:41	-3	0	-1.5		4/28/2016 18:49	-7	-2	-4.5	-3.00
	4/28/16 18:56	-2.5	0.5	-1		4/28/2016 19:04	-5	-1	-3	-2.00
	4/28/16 19:11	-2.5	-1	-1.75		4/28/2016 19:19	-4	-1.5	-2.75	-2.25
	4/28/16 19:26	-2.5	-1.5	-2		4/28/2016 19:34	-4	-2	-3	-2.50
	4/28/16 19:41	-2.5	-1.5	-2		4/28/2016 19:49	-5.5	-2	-3.75	-2.88
	4/28/16 19:56	-2.5	-1	-1.75		4/28/2016 20:04	-4.5	-1.5	-3	-2.38
	4/28/16 20:11	-2.5	-1	-1.75		4/28/2016 20:19	-4.5	-2	-3.25	-2.50
	4/28/16 20:26	-2.5	-0.5	-1.5		4/28/2016 20:34	-5.5	-2	-3.75	-2.63
	4/28/16 20:41	-2.5	-1	-1.75		4/28/2016 20:49	-6	-2	-4	-2.88
	4/28/16 20:56	-2.5	-1.5	-2		4/28/2016 21:04	-4	-2	-3	-2.50
	4/28/16 21:11	-2.5	-1.5	-2		4/28/2016 21:19	-4.5	-2	-3.25	-2.63
	4/28/16 21:26	-2.5	-1.5	-2		4/28/2016 21:34	-4.5	-2	-3.25	-2.63
	4/28/16 21:41	-2.5	-1	-1.75		4/28/2016 21:49	-5	-1.5	-3.25	-2.50
	4/28/16 21:56	-2.5	-1.5	-2		4/28/2016 22:04	-4.5	-1.5	-3	-2.50
	4/28/16 22:11	-2.5	-1	-1.75		4/28/2016 22:19	-4.5	-2	-3.25	-2.50
	4/28/16 22:26	-2.5	-1.5	-2		4/28/2016 22:34	-5	-2	-3.5	-2.75
	4/28/16 22:41	-2.5	-1.5	-2		4/28/2016 22:49	-5.5	-1.5	-3.5	-2.75
	4/28/16 22:56	-2.5	-1.5	-2		4/28/2016 23:04	-4	-1.5	-2.75	-2.38
	4/28/16 23:11	-2.5	-2	-2.25		4/28/2016 23:19	-4	-2	-3	-2.63
	4/28/16 23:26	-3	-1.5	-2.25		4/28/2016 23:34	-6.5	-2	-4.25	-3.25
	4/28/16 23:41	-3	-1	-2		4/28/2016 23:49	-3.5	-1.5	-2.5	-2.25
	4/28/16 23:56	-2.5	-2	-2.25		4/29/2016				

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/29/16 1:56	-2.5	-1	-1.75		4/29/2016 2:04	-5.5	-2	-3.75	-2.75
	4/29/16 2:11	-2.5	-0.5	-1.5		4/29/2016 2:19	-5	-2	-3.5	-2.50
	4/29/16 2:26	-2.5	-1	-1.75		4/29/2016 2:34	-5.5	-2	-3.75	-2.75
	4/29/16 2:41	-2.5	-0.5	-1.5		4/29/2016 2:49	-4	-2	-3	-2.25
	4/29/16 2:56	-2.5	-1	-1.75		4/29/2016 3:04	-6.5	-2	-4.25	-3.00
	4/29/16 3:11	-2.5	-1	-1.75		4/29/2016 3:19	-6	-1.5	-3.75	-2.75
	4/29/16 3:26	-2	-0.5	-1.25		4/29/2016 3:34	-6.5	-1.5	-4	-2.63
	4/29/16 3:41	-2.5	-0.5	-1.5		4/29/2016 3:49	-6	-1.5	-3.75	-2.63
	4/29/16 3:56	-2.5	-1	-1.75		4/29/2016 4:04	-5	-1.5	-3.25	-2.50
	4/29/16 4:11	-3	-1	-2		4/29/2016 4:19	-5	-2	-3.5	-2.75
	4/29/16 4:26	-2.5	-1	-1.75		4/29/2016 4:34	-5	-2	-3.5	-2.63
	4/29/16 4:41	-2.5	-1.5	-2		4/29/2016 4:49	-5.5	-2	-3.75	-2.88
	4/29/16 4:56	-3	-1	-2		4/29/2016 5:04	-5	-2	-3.5	-2.75
	4/29/16 5:11	-2.5	-1	-1.75		4/29/2016 5:19	-6	-2	-4	-2.88
	4/29/16 5:26	-2.5	-0.5	-1.5		4/29/2016 5:34	-6.5	-2	-4.25	-2.88
	4/29/16 5:41	-2.5	-1	-1.75		4/29/2016 5:49	-5.5	-2.5	-4	-2.88
	4/29/16 5:56	-3	-1	-2		4/29/2016 6:04	-6	-1.5	-3.75	-2.88
	4/29/16 6:11	-2.5	0	-1.25		4/29/2016 6:19	-6.5	-2	-4.25	-2.75
	4/29/16 6:26	-3	-1	-2		4/29/2016 6:34	-6	-2	-4	-3.00
	4/29/16 6:41	-2.5	-0.5	-1.5		4/29/2016 6:49	-7.5	-2.5	-5	-3.25
	4/29/16 6:56	-2.5	-1	-1.75		4/29/2016 7:04	-5	-2	-3.5	-2.63
	4/29/16 7:11	-3	-0.5	-1.75		4/29/2016 7:19	-7	-2	-4.5	-3.13
	4/29/16 7:26	-3	-1	-2		4/29/2016 7:34	-5	-2	-3.5	-2.75
	4/29/16 7:41	-2.5	-1.5	-2		4/29/2016 7:49	-5.5	-2	-3.75	-2.88
	4/29/16 7:56	-2.5	-1.5	-2		4/29/2016 8:04	-5	-2	-3.5	-2.75
	4/29/16 8:11	-2.5	-1.5	-2		4/29/2016 8:19	-5.5	-2.5	-4	-3.00
	4/29/16 8:26	-2	-1	-1.5		4/29/2016 8:34	-5.5	-2	-3.75	-2.63
	4/29/16 8:41	-2.5	-1	-1.75		4/29/2016 8:49	-5.5	-2	-3.75	-2.75
	4/29/16 8:56	-2.5	-0.5	-1.5		4/29/2016 9:04	-5.5	-2	-3.75	-2.63
	4/29/16 9:11	-2.5	-1	-1.75		4/29/2016 9:19	-4.5	-1.5	-3	-2.38
	4/29/16 9:26	-2.5	-1	-1.75		4/29/2016 9:34	-4.5	-2	-3.25	-2.50
	4/29/16 9:41	-2	-0.5	-1.25		4/29/2016 9:49	-5	-2	-3.5	-2.38
	4/29/16 9:56	-2.5	-0.5	-1.5		4/29/2016 10:04	-4.5	-1.5	-3	-2.25
	4/29/16 10:11	-2	-1	-1.5		4/29/2016 10:19	-5	-2	-3.5	-2.50
	4/29/16 10:26	-2.5	-1	-1.75		4/29/2016 10:34	-4.5	-1.5	-3	-2.38
	4/29/16 10:41	-2.5	-1	-1.75		4/29/2016 10:49	-4	-1.5	-2.75	-2.25
	4/29/16 10:56	-3.5	-1	-2.25		4/29/2016 11:04	-4	0.5	-1.75	-2.00
	4/29/16 11:11	-3.5	0	-1.75		4/29/2016 11:19	-3	0.5	-1.25	-1.50
	4/29/16 11:26	-2	0	-1		4/29/2016 11:34	-4.5	-1	-2.75	-1.88
	4/29/16 11:41	-2.5	-0.5	-1.5		4/29/2016 11:49	-3.5	-1.5	-2.5	-2.00
	4/29/16 11:56	-2	-0.5	-1.25		4/29/2016 12:04	-4	-0.5	-2.25	-1.75
	4/29/16 12:11	-2.5	0	-1.25		4/29/2016 12:19	-4.5	-1.5	-3	-2.13
	4/29/16 12:26	-2.5	-0.5	-1.5		4/29/2016 12:34	-5	-1.5	-3.25	-2.38
	4/29/16 12:41	-2.5	-0.5	-1.5		4/29/2016 12:49	-3	-1	-2	-1.75
	4/29/16 12:56	-2	0	-1		4/29/2016 13:04	-3	0	-1.5	-1.25
	4/29/16 13:11	-0.5	2	0.75		4/29/2016 13:19	-3.5	0.5	-1.5	-0.38
	4/29/16 13:26	0	0.5	0.25		4/29/2016 13:34	-3	0	-1.5	-0.63
	4/29/16 13:41	-0.5	0	-0.25		4/29/2016 13:49	-4	0	-2	-1.13
	4/29/16 13:56	-0.5	1	0.25		4/29/2016 14:04	-3.5	0	-1.75	-0.75
	4/29/16 14:11	-0.5	0.5	0		4/29/2016 14:19	-3	0	-1.5	-0.75
	4/29/16 14:26	-0.5	0	-0.25		4/29/2016 14:34	-3	0	-1.5	-0.88
	4/29/16 14:41	-2	0	-1		4/29/2016 14:49	-3	-1	-2	-1.50
	4/29/16 14:56	-2	-1.5	-1.75		4/29/2016 15:04	-2.5	-1	-1.75	-1.75
	4/29/16 15:11	-2	-1	-1.5		4/29/2016 15:19	-3.5	-1.5	-2.5	-2.00
	4/29/16 15:26	-2	-1.5	-1.75		4/29/2016 15:34	-2.5	-1.5	-2	-1.88
	4/29/16 15:41	-5.5	-0.5	-3		4/29/2016 15:49	-3	0	-1.5	-2.25
	4/29/16 15:56	-1.5	0	-3.75		4/29/2016 16:04	-3	0	-1.5	-2.63
	4/29/16 16:11	-3.5	0	-1.75		4/29/2016 16:19	-3.5	0	-1.75	-1.75
	4/29/16 16:26	-6	0	-3		4/29/2016 16:34	-4	0	-2	-2.50
	4/29/16 16:41	-6	-2	-4		4/29/2016 16:49	-2.5	0	-1.25	-2.63
	4/29/16 16:56	-7	-2.5	-4.75		4/29/2016 17:04	-3	-0.5	-1.75	-3.25
	4/29/16 17:11	-5	-2	-3.5		4/29/2016 17:19	-2.5	-1	-1.75	-2.63
	4/29/16 17:26	-4	-2	-3		4/29/2016 17:34	-3	-1.5	-2.25	-2.63
	4/29/16 17:41	-3	-1.5	-2.25		4/29/2016 17:49	-4	-0.5	-2.25	-2.25
	4/29/16 17:56	-2.5	-1	-1.75		4/29/2016 18:04	-4	-2	-3	-2.38
	4/29/16 18:11	-2.5	-1.5	-2		4/29/2016 18:19	-5	-2	-3.5	-2.75
	4/29/16 18:26	-2.5	-1.5	-2		4/29/2016 18:34	-5	-1.5	-3.25	-2.63
	4/29/16 18:41	-1.5	0	-1.75		4/29/2016 18:49	-3.5	-1.5	-2.5	-2.13
	4/29/16 18:56	-3.5	-1.5	-2.5		4/29/2016 19:04	-3.5	-1.5	-2.5	-2.50
	4/29/16 19:11	-2	-1.5	-1.75		4/29/2016 19:19	-3.5	-1.5	-2.5	-2.13
	4/29/16 19:26	-2.5	-1.5	-2		4/29/2016 19:34	-4	-2	-3	-2.50
	4/29/16 19:41	-3	-2	-2.5		4/29/2016 19:49	-2.5	-1.5	-2	-2.25
	4/29/16 19:56	-2.5	-2	-2.25		4/29/2016 20:04	-3	-1.5	-2.25	-2.25
	4/29/16 20:11	-2.5	-2	-2.25		4/29/2016 20:19	-2.5	-1.5	-2	-2.13
	4/29/16 20:26	-3	-2	-2.5		4/29/2016 20:34	-2	-1.5	-1.75	-2.13
	4/29/16 20:41	-4	-2.5	-3.25		4/29/2016 20:49	-2	-1	-1.5	-2.38
	4/29/16 20:56	-4	-2.5	-3.25		4/29/2016 21:04	-2.5	-1	-1.75	-2.50
	4/29/16 21:11	-4.5	-2.5	-3.5		4/29/2016 21:19	-3	-1.5	-2.25	-2.88
	4/29/16 21:26	-1.5	-2	-2.25		4/29/2016 21:34	-2.5	-2	-2.25	-2.25
	4/29/16 21:41	-2.5	-2	-2.25		4/29/2016 21:49	-3	-2	-2.5	-2.38
	4/29/16 21:56	-2.5	-2	-2.25		4/29/2016 22:04	-3	-2	-2.5	-2.38
	4/29/16 22:11	-2.5	-2	-2.25		4/29/2016 22:19	-2.5	-2	-2.25	-2.25
	4/29/16 22:26	-3	-2	-2.5		4/29/2016 22:34	-2.5	-2	-2.25	-2.38
	4/29/16 22:41	-3.5	-2	-2.75		4/29/2016 22:49	-2.5	-1.5	-2	-2.38
	4/29/16 22:56	-4.5	-2.5	-3.5		4/29/2016 23:04	-2	-1	-1.5	-2.50
	4/29/16 23:11	-5	-2	-3.5		4/29/2016 23:19	-2.5	-1.5	-2	-2.75
	4/29/16 23:26	-4	-2	-3		4/29/2016 23:34	-3	-2	-2.5	-2.75
	4/29/16 23:41	-2.5	-1.5	-2		4/29/2016 23:49	-3	-1.5	-2.25	-2.13
	4/29/16 23:56	-4	-1.5	-2.75		4/30/2016 0:04	-3	-1.5	-2.25	-2.50
	4/30/16 0:11	-5	-2	-3.5		4/30/2016 0:19	-2.5	-1.5	-2	-2.75
	4/30/16 0:26	-3	-2	-2.5		4/30/2016 0:34	-3	-2	-2.5	-2.50
	4/30/16 0:41	-3	-2	-2.5		4/30/2016 0:49	-3	-2	-2.5	-2.50
	4/30/16 0:56	-3	-2	-2.5		4/30/2016 1:04	-3	-1.5	-2.25	-2.38
	4/30/16 1:11	-3.5	-2.5	-3		4/30/2016 1:19	-2.5	-1.5	-2	-2.50
	4/30/16 1:26	-4	-2	-3		4/30/2016 1:34	-3	-1.5	-2.25	-2.63
	4/30/16 1:41	-2.5	-2	-2.25		4/30/2016 1:49	-3.5	-2	-2.75	-2.50
	4/30/16 1:56	-2.5	-2	-2.25		4/30/2016 2:04	-3	-2	-2.5	-2.38
	4/30/16 2:11	-3	-2	-2.5		4/30/2016 2:19	-3	-2	-2.5	-2.50
	4/30/16 2:26	-2.5	-2	-2.25		4/30/2016 2:34	-3	-2	-2.5	-2.38
	4/30/16 2:41	-3	-2	-2.5		4/30/2016 2:49	-3	-1.5	-2.25	-2.38
	4/30/16 2:56	-3	-2	-2.5		4/30/2016 3:04	-2.5	-2	-2.25	-2.38
	4/30/16 3:11	-2.5	-2.5	-2.5		4/30/2016 3:19	-2.5	-2	-2.25	-2.38
	4/30/16 3:26	-2.5	-2.5	-2.5		4/30/2016 3:34	-2.5	-2	-2.25	-2.38
	4/30/16 3:41	-2.5	-2	-2.25		4/30/2016 3:49	-2.5	-2	-2.25	-2.25
	4/30/16 3:56	-3	-2.5	-2.75		4/30/2016 4:04	-2.5	-2	-2.25	-2.50
	4/30/16 4:11	-3	-2	-2.5		4/30/2016 4:19	-2.5	-2	-2.25	-2.38
	4/30/16 4:26	-3	-2	-2.5		4/30/2016 4:34	-2.5	-2	-2.25	-2.38
	4/30/16 4:41	-2.5	-2	-2.25		4/30/2016 4:49	-3.5	-2	-2.75	-2.50
	4/30/16 4:56	-2.5	-2	-2.25		4/30/2016 5:04	-4	-2	-3	-2.63
	4/30/16 5:11	-2.5	-1.5	-2		4/30/2016 5:19	-3.5	-2	-2.75	-2.38
	4/30/16 5:26	-2.5	-2	-2.25		4/30/2016 5:34	-3	-2	-2.5	-2.38
	4/30/16 5:41	-2.5	-2	-2.25		4/30/2016 5:49	-4	-2	-3	-2.63
	4/30/16 5:56	-2.5	-1.5	-2		4/30/2016 6:04	-4	-2	-3	-2.50
	4/30/16 6:11	-2.5	-2	-2.25		4/30/2016 6:19	-3.5	-2	-2.75	-2.50
	4/30/16 6:26	-2.5	-2	-2.25		4/30/2016 6:34	-3	-2	-2.5	-2.38
	4/30/16 6:41	-3	-2	-2.5		4/30/2016 6:49	-2.5	-2	-2.25	-2.38
	4/30/16 6:56	-3	-2.5	-2.75		4/30/2016 7:04	-3			

Appendix B Table. All Differential Monitoring Data.

March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1				Omniguard Monitor 2						
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	DP Average	Average DP of both
	4/30/16 8:56	-2.5	-0.5	-1.5		4/30/2016 9:04	-7	2	-4.5	-3.00
	4/30/16 9:11	-2.5	-0.5	-1.5		4/30/2016 9:19	-6.5	-1	-3.75	-2.63
	4/30/16 9:26	-2.5	3.5	0.5		4/30/2016 9:34	-11	0	-5.5	-2.50
	4/30/16 9:41	-3	2	-0.5		4/30/2016 9:49	-7.5	0.5	-3.5	-2.00
	4/30/16 9:56	-2.5	0.5	-1		4/30/2016 10:04	-5.5	-0.5	-3	-2.00
	4/30/16 10:11	-2.5	0	-1.25		4/30/2016 10:19	-8.5	-1	-4.75	-3.00
	4/30/16 10:26	-3	1	-1		4/30/2016 10:34	-7	-1.5	-4.25	-2.63
	4/30/16 10:41	-2.5	0	-1.25		4/30/2016 10:49	-5	-1	-3	-2.13
	4/30/16 10:56	-2.5	1	-0.75		4/30/2016 11:04	-10	-1	-5.5	-3.13
	4/30/16 11:11	-2.5	1.5	-0.5		4/30/2016 11:19	-6.5	-1	-3.75	-2.13
	4/30/16 11:26	-2.5	-0.5	-1.5		4/30/2016 11:34	-7.5	-1	-4.25	-2.88
	4/30/16 11:41	-2	1	-0.5		4/30/2016 11:49	-7	-0.5	-3.75	-2.13
	4/30/16 11:56	-2.5	0.5	-1		4/30/2016 12:04	-7	1.5	-2.75	-1.88
	4/30/16 12:11	-2.5	1.5	-0.5		4/30/2016 12:19	-7.5	0	-3.75	-2.13
	4/30/16 12:26	-3	2.5	-0.25		4/30/2016 12:34	-6	1.5	-2.25	-1.25
	4/30/16 12:41	-3.5	2	-0.75		4/30/2016 12:49	-6	1.5	-2.25	-1.50
	4/30/16 12:56	-3.5	1	-1.25		4/30/2016 13:04	-3.5	4.5	0.5	-0.38
	4/30/16 13:11	-5.5	0	-2.75		4/30/2016 13:19	-6.5	0.5	-3	-2.88
	4/30/16 13:26	-5.5	1	-2.25		4/30/2016 13:34	-6.5	0	-3.25	-2.75
	4/30/16 13:41	-2.5	1	-0.75		4/30/2016 13:49	-5.5	0	-2.75	-1.75
	4/30/16 13:56	-2	3	0.5		4/30/2016 14:04	-9.5	-0.5	-5	-2.25
	4/30/16 14:11	-1	3	1		4/30/2016 14:19	-7.5	0	-3.75	-1.38
	4/30/16 14:26	-2	1	-0.5		4/30/2016 14:34	-6	-1	-3.5	-2.00
	4/30/16 14:41	-3	1	-1		4/30/2016 14:49	-8.5	-0.5	-4.5	-2.75
	4/30/16 14:56	-2.5	1.5	-0.5		4/30/2016 15:04	-6.5	0	-3.25	-1.88
	4/30/16 15:11	-1	1	0		4/30/2016 15:19	-7	-1.5	-4.25	-2.13
	4/30/16 15:26	-1.5	2	0.25		4/30/2016 15:34	-6.5	0	-3.25	-1.50
	4/30/16 15:41	-1.5	1.5	0		4/30/2016 15:49	-6	-1	-3.5	-1.75
	4/30/16 15:56	-1.5	1	-0.25		4/30/2016 16:04	-6	-0.5	-3.25	-1.75
	4/30/16 16:11	-3.5	1	-1.25		4/30/2016 16:19	-6.5	0.5	-3	-2.13
	4/30/16 16:26	-2	1.5	-0.25		4/30/2016 16:34	-6.5	1	-2.75	-1.50
	4/30/16 16:41	-3	1.5	-0.75		4/30/2016 16:49	-9	2.5	-3.25	-2.00
	4/30/16 16:56	-1.5	1.5	0		4/30/2016 17:04	-7.5	-0.5	-4	-2.00
	4/30/16 17:11	-2	2	0		4/30/2016 17:19	-7.5	0	-3.75	-1.88
	4/30/16 17:26	-2	1	-0.5		4/30/2016 17:34	-5.5	0	-2.75	-1.63
	4/30/16 17:41	-2	0.5	-0.75		4/30/2016 17:49	-6.5	0	-3.25	-2.00
	4/30/16 17:56	-2	0.5	-0.75		4/30/2016 18:04	-5	0	-2.5	-1.63
	4/30/16 18:11	-2	2	0		4/30/2016 18:19	-6	0	-3	-1.50
	4/30/16 18:26	-2	1.5	-0.25		4/30/2016 18:34	-6.5	-0.5	-3.5	-1.88
	4/30/16 18:41	-2	1	-0.5		4/30/2016 18:49	-6.5	1.5	-4	-2.25
	4/30/16 18:56	-1.5	0	-0.75		4/30/2016 19:04	-5.5	-0.5	-3	-1.88
	4/30/16 19:11	-2	1	-0.5		4/30/2016 19:19	-7.5	-1	-4.25	-2.38
	4/30/16 19:26	-1.5	0	-0.75		4/30/2016 19:34	-5	-0.5	-2.75	-1.75
	4/30/16 19:41	-2	0	-1		4/30/2016 19:49	-5.5	-1.5	-3.5	-2.25
	4/30/16 19:56	-2	0	-1		4/30/2016 20:04	-5.5	-1	-3.25	-1.13
	4/30/16 20:11	-2	0	-1		4/30/2016 20:19	-4	-1.5	-2.75	-1.88
	4/30/16 20:26	-1.5	-0.5	-1		4/30/2016 20:34	-4	-1	-2.5	-1.75
	4/30/16 20:41	-1.5	-0.5	-1		4/30/2016 20:49	-3	-1	-2	-1.50
	4/30/16 20:56	-1.5	-1	-1.25		4/30/2016 21:04	-3	-1	-2	-1.63
	4/30/16 21:11	-2	-0.5	-1.25		4/30/2016 21:19	-4	-1	-2.5	-1.88
	4/30/16 21:26	-2	-1	-1.5		4/30/2016 21:34	-2.5	-1	-1.75	-1.63
	4/30/16 21:41	-2	-1	-1.5		4/30/2016 21:49	-2.5	-1.5	-2	-1.75
	4/30/16 21:56	-2	-1	-1.5		4/30/2016 22:04	-3.5	-1.5	-2.5	-2.00
	4/30/16 22:11	-2	-1	-1.5		4/30/2016 22:19	-3.5	-1.5	-2.5	-2.00
	4/30/16 22:26	-2	-1	-1.5		4/30/2016 22:34	-2.5	-1.5	-2	-1.75
	4/30/16 22:41	-2	-1.5	-1.75		4/30/2016 22:49	-2.5	-1	-1.75	-1.75
	4/30/16 22:56	-2	-1.5	-1.75		4/30/2016 23:04	-3	-1.5	-2.25	-2.00
	4/30/16 23:11	-2	-0.5	-1.25		4/30/2016 23:19	-3.5	-1.5	-2.5	-1.88
	4/30/16 23:26	-2	-1	-1.5		4/30/2016 23:34	-3	-1.5	-2.25	-1.88
	4/30/16 23:41	-2	-1	-1.5		4/30/2016 23:49	-4	-1.5	-2.75	-2.13
	4/30/16 23:56	-2	-1	-1.5		5/1/2016 0:04	-3.5	-1.5	-2.5	-2.00
	5/1/16 0:11	-2	-1	-1.5		5/1/2016 0:19	-3.5	-1.5	-2.5	-2.00
	5/1/16 0:26	-2	-0.5	-1.25		5/1/2016 0:34	-3.5	-1.5	-2.5	-1.88
	5/1/16 0:41	-2	-0.5	-1.25		5/1/2016 0:49	-4	-1	-2.5	-1.88
	5/1/16 0:56	-2.5	-1	-1.75		5/1/2016 1:04	-4	-1	-2.5	-2.13
	5/1/16 1:11	-2	-1	-1.5		5/1/2016 1:19	-3	-1.5	-2.25	-1.88
	5/1/16 1:26	-2	-1	-1.5		5/1/2016 1:34	-4	-1.5	-2.75	-2.13
	5/1/16 1:41	-2	-1	-1.5		5/1/2016 1:49	-3.5	-1.5	-2.5	-2.00
	5/1/16 1:56	-2	-1	-1.5		5/1/2016 2:04	-3	-1.5	-2.25	-1.88
	5/1/16 2:11	-2	-1	-1.5		5/1/2016 2:19	-4	-1.5	-2.75	-2.13
	5/1/16 2:26	-2	-1	-1.5		5/1/2016 2:34	-4	-1.5	-2.75	-2.13
	5/1/16 2:41	-2	-1	-1.5		5/1/2016 2:49	-3.5	-1	-2.25	-1.88
	5/1/16 2:56	-2	0	-1		5/1/2016 3:04	-5	-1.5	-3.25	-2.13
	5/1/16 3:11	-2	-1	-1.5		5/1/2016 3:19	-4.5	-1.5	-3	-2.25
	5/1/16 3:26	-2	-1	-1.5		5/1/2016 3:34	-3.5	-1.5	-2.5	-2.00
	5/1/16 3:41	-2	-1	-1.5		5/1/2016 3:49	-3.5	-1.5	-2.5	-2.00
	5/1/16 3:56	-2	-0.5	-1.25		5/1/2016 4:04	-3.5	-1.5	-2.5	-1.88
	5/1/16 4:11	-2	-1	-1.5		5/1/2016 4:19	-2.5	-1.5	-2	-1.75
	5/1/16 4:26	-2	-1.5	-1.75		5/1/2016 4:34	-3	-1.5	-2.25	-2.00
	5/1/16 4:41	-2	-1.5	-1.75		5/1/2016 4:49	-2.5	-1.5	-2	-1.88
	5/1/16 4:56	-2	-1	-1.5		5/1/2016 5:04	-2.5	-1.5	-2	-1.75
	5/1/16 5:11	-2	-1.5	-1.75		5/1/2016 5:19	-2.5	-1.5	-2	-1.88
	5/1/16 5:26	-2	-1.5	-1.75		5/1/2016 5:34	-2.5	-1.5	-2	-1.88
	5/1/16 5:41	-2	-1	-1.5		5/1/2016 5:49	-3	-1.5	-2.25	-1.88
	5/1/16 5:56	-3	-1.5	-2.25		5/1/2016 6:04	-3	-1.5	-2.25	-2.25
	5/1/16 6:11	-2	-1	-1.5		5/1/2016 6:19	-3	-1.5	-2.25	-1.88
	5/1/16 6:26	-2	-1.5	-1.75		5/1/2016 6:34	-3	-1.5	-2.25	-2.00
	5/1/16 6:41	-2	-0.5	-1.25		5/1/2016 6:49	-5	-1.5	-3.25	-2.25
	5/1/16 6:56	-2	-1.5	-1.75		5/1/2016 7:04	-2.5	-1.5	-2	-1.88
	5/1/16 7:11	-2	-1	-1.5		5/1/2016 7:19	-2.5	-1.5	-2	-1.75
	5/1/16 7:26	-1.5	-1.5	-1.5		5/1/2016 7:34	-2.5	-1.5	-2	-1.75
	5/1/16 7:41	-2	-1	-1.5		5/1/2016 7:49	-2	-1	-1.5	-1.50
	5/1/16 7:56	-1.5	-1	-1.25		5/1/2016 8:04	-2.5	-1.5	-2	-1.63
	5/1/16 8:11	-2.5	-1	-1.75		5/1/2016 8:19	-2.5	-1	-1.75	-1.75
	5/1/16 8:26	-2	-1	-1.5		5/1/2016 8:34	-2	-1	-1.5	-1.50
	5/1/16 8:41	-1.5	-1	-1.25		5/1/2016 8:49	-2	-1.5	-1.75	-1.50
	5/1/16 8:56	-2	-1	-1.5		5/1/2016 9:04	-2	-1	-1.5	-1.50
	5/1/16 9:11	-1.5	-1	-1.25		5/1/2016 9:19	-2.5	-1	-1.75	-1.50
	5/1/16 9:26	-1.5	-1	-1.25		5/1/2016 9:34	-2	-1	-1.5	-1.38
	5/1/16 9:41	-1.5	-1	-1.25		5/1/2016 9:49	-2	-1	-1.5	-1.38
	5/1/16 9:56	-1.5	-0.5	-1		5/1/2016 10:04	-2	-0.5	-1.25	-1.13
	5/1/16 10:11	-2	-0.5	-1.25		5/1/2016 10:19	-2	-1	-1.5	-1.38
	5/1/16 10:26	-1	-0.5	-0.75		5/1/2016 10:34	-2	-1	-1.5	-1.13
	5/1/16 10:41	-1	-0.5	-0.75		5/1/2016 10:49	-2	-1	-1.5	-1.13
	5/1/16 10:56	-1.5	-0.5	-1		5/1/2016 11:04	-2	-0.5	-1.25	-1.13
	5/1/16 11:11	-1.5	-0.5	-1		5/1/2016 11:19	-1.5	-1	-1.25	-1.13
	5/1/16 11:26	-1	-0.5	-0.75		5/1/2016 11:34	-1.5	-1	-1.25	-1.00
	5/1/16 11:41	-1	0	-0.5		5/1/2016 11:49	-1.5	-1	-1.25	-0.88
	5/1/16 11:56	-2	-0.5	-1.25		5/1/2016 12:04	-1.5	0	-0.75	-1.00
	5/1/16 12:11	-2.5	0	-1.25		5/1/2016 12:19	-1.5	0	-0.75	-1.00
	5/1/16 12:26	-4	0	-2		5/1/2016 12:34	-1.5	0	-0.75	-1.38
	5/1/16 12:41	-3.5	0	-1.75		5/1/2016 12:49	-1.5	0.5	-0.5	-1.13
	5/1/16 12:56	-6	-0.5	-3.25		5/1/2016 13:04	-1.5	2.5	0.5	-1.38
	5/1/16 13:11	-4.5	0	-2.25		5/1/2016 13:19	-1.5	0.5	-0.5	-1.38
	5/1/16 13:26	-2.5	0	-1.25		5/1/2016 13:34	-1.5	0.5	-0.5	-0.88
	5/1/16 13:41	-4	0	-2		5/1/2016 13:49	-1.5	0	-0.75	-1.38
	5/1/16 13:56	-3	0	-1.5		5/1/2016 14:04	-1	1	0	-0.75
	5/1/16 14:11</									

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
 Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2				
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	Average DP of both
	5/1/16 15:56	-8.5	0.5	-4		5/1/2016 16:04	-1	1	-2.00
	5/1/16 16:11	-15	0	-7.5		5/1/2016 16:19	-1.5	3.5	-1
	5/1/16 16:26	-9.5	0	-4.75		5/1/2016 16:34	-1.5	2.5	0.5
	5/1/16 16:41	-12	-1	-6.5		5/1/2016 16:49	-2.5	2.5	0
	5/1/16 16:56	-12.5	1	-5.75		5/1/2016 17:04	-1.5	1	-0.25
	5/1/16 17:11	-8	-0.5	-4.25		5/1/2016 17:19	-1.5	2.5	0.5
	5/1/16 17:26	-12.5	0	-6.25		5/1/2016 17:34	-1.5	2	0.25
	5/1/16 17:41	-13.5	-1	-7.25		5/1/2016 17:49	-1.5	1.5	0
	5/1/16 17:56	-13	-1.5	-7.25		5/1/2016 18:04	-1.5	1	-0.25
	5/1/16 18:11	-5.5	-1	-3.25		5/1/2016 18:19	-2	1	-0.5
	5/1/16 18:26	-9.5	0.5	-4.5		5/1/2016 18:34	-1.5	0.5	-0.5
	5/1/16 18:41	-8	-0.5	-4.25		5/1/2016 18:49	-1.5	0	-0.75
	5/1/16 18:56	-6.5	-0.5	-3.5		5/1/2016 19:04	-2.5	0	-1.25
	5/1/16 19:11	-4.5	-0.5	-2.5		5/1/2016 19:19	-2	-0.5	-1.25
	5/1/16 19:26	-3.5	-1.5	-2.5		5/1/2016 19:34	-2	-0.5	-1.25
	5/1/16 19:41	-3.5	-1.5	-2.5		5/1/2016 19:49	-1.5	0	-0.75
	5/1/16 19:56	-4	-1.5	-2.75		5/1/2016 20:04	-2	-1	-1.5
	5/1/16 20:11	-1.5	-1.5	-2.5		5/1/2016 20:19	-2	-0.5	-1.25
	5/1/16 20:26	-3.5	-2	-2.75		5/1/2016 20:34	-1.5	-1	-1.25
	5/1/16 20:41	-3	-1.5	-2.25		5/1/2016 20:49	-2	-1	-1.5
	5/1/16 20:56	-2.5	-1	-1.75		5/1/2016 21:04	-2	-1	-1.5
	5/1/16 21:11	-4.5	-2	-3.25		5/1/2016 21:19	-2	-1	-1.5
	5/1/16 21:26	-3	-1	-2		5/1/2016 21:34	-3	-1.5	-2.25
	5/1/16 21:41	-2.5	-0.5	-1.5		5/1/2016 21:49	-3	-1.5	-2.25
	5/1/16 21:56	-2.5	-1	-1.75		5/1/2016 22:04	-3	-1.5	-2.25
	5/1/16 22:11	-2.5	-1	-1.75		5/1/2016 22:19	-3	-1.5	-2.25
	5/1/16 22:26	-3.5	-1	-2.25		5/1/2016 22:34	-2	-1.5	-1.75
	5/1/16 22:41	-4	-1	-2.5		5/1/2016 22:49	-2.5	-1.5	-2
	5/1/16 22:56	-3	-1.5	-2.25		5/1/2016 23:04	-2	-1.5	-1.75
	5/1/16 23:11	-3.5	-1.5	-2.5		5/1/2016 23:19	-2.5	-1.5	-2
	5/1/16 23:26	-3.5	-1.5	-2.5		5/1/2016 23:34	-3	-1.5	-2.25
	5/1/16 23:41	-2.5	-1.5	-2		5/1/2016 23:49	-2.5	-1.5	-2
	5/1/16 23:56	-3	-2	-2.5		5/2/2016 0:04	-2.5	-1.5	-2
	5/2/16 0:11	-2.5	-2	-2.25		5/2/2016 0:19	-2.5	-1.5	-2
	5/2/16 0:26	-2.5	-1	-1.75		5/2/2016 0:34	-3.5	-1.5	-2.5
	5/2/16 0:41	-2	-1	-1.5		5/2/2016 0:49	-4.5	-1.5	-3
	5/2/16 0:56	-2.5	-1	-1.75		5/2/2016 1:04	-3.5	-1.5	-2.5
	5/2/16 1:11	-2	-1	-1.5		5/2/2016 1:19	-3.5	-1.5	-2.5
	5/2/16 1:26	-2.5	-1	-1.75		5/2/2016 1:34	-3.5	-1.5	-2.5
	5/2/16 1:41	-2.5	-1	-1.75		5/2/2016 1:49	-3.5	-1.5	-2.5
	5/2/16 1:56	-2	-1	-1.5		5/2/2016 2:04	-3.5	-1.5	-2.5
	5/2/16 2:11	-2	-1	-1.5		5/2/2016 2:19	-3	-1.5	-2.25
	5/2/16 2:26	-2	-1.5	-1.75		5/2/2016 2:34	-3.5	-1.5	-2.5
	5/2/16 2:41	-2	-1	-1.5		5/2/2016 2:49	-3	-1.5	-2.25
	5/2/16 2:56	-2.5	-1.5	-2		5/2/2016 3:04	-3	-1.5	-2.25
	5/2/16 3:11	-2	-1	-1.5		5/2/2016 3:19	-4	-1.5	-2.75
	5/2/16 3:26	-2	-1	-1.5		5/2/2016 3:34	-3.5	-1.5	-2.5
	5/2/16 3:41	-2	-1	-1.5		5/2/2016 3:49	-4	-1.5	-2.75
	5/2/16 3:56	-2	-1	-1.5		5/2/2016 4:04	-4.5	-2	-3.25
	5/2/16 4:11	-2	-1	-1.5		5/2/2016 4:19	-6	-1.5	-3.75
	5/2/16 4:26	-2.5	-1	-1.75		5/2/2016 4:34	-4	-1.5	-2.75
	5/2/16 4:41	-2	-1.5	-1.75		5/2/2016 4:49	-3.5	-1.5	-2.5
	5/2/16 4:56	-2.5	-1	-1.75		5/2/2016 5:04	-4	-1.5	-2.75
	5/2/16 5:11	-2.5	-1.5	-2		5/2/2016 5:19	-3	-1.5	-2.25
	5/2/16 5:26	-2	-1	-1.5		5/2/2016 5:34	-4	-1.5	-2.75
	5/2/16 5:41	-2	-1	-1.5		5/2/2016 5:49	-4.5	-1.5	-3
	5/2/16 5:56	-2	-1.5	-1.75		5/2/2016 6:04	-4	-2	-3.25
	5/2/16 6:11	-2	-1.5	-1.75		5/2/2016 6:19	-3	-1.5	-2.25
	5/2/16 6:26	-2.5	-1.5	-2		5/2/2016 6:34	-2.5	-1.5	-2
	5/2/16 6:41	-5	-1.5	-3.25		5/2/2016 6:49	-3	0	-1.5
	5/2/16 6:56	-6.5	0	-3.25		5/2/2016 7:04	-3	-1	-2
	5/2/16 7:11	-5	-1.5	-3.25		5/2/2016 7:19	-2.5	-1	-1.75
	5/2/16 7:26	-5.5	-1.5	-3.5		5/2/2016 7:34	-3	-1.5	-2.25
	5/2/16 7:41	-3	-0.5	-1.75		5/2/2016 7:49	-6	-1.5	-3.75
	5/2/16 7:56	-2.5	-1	-1.75		5/2/2016 8:04	-4	-1.5	-2.75
	5/2/16 8:11	-2.5	-1.5	-2		5/2/2016 8:19	-5	-1.5	-3.25
	5/2/16 8:26	-2	0	-1		5/2/2016 8:34	-6	-0.5	-3.25
	5/2/16 8:41	-2	0.5	-0.75		5/2/2016 8:49	-7	-1.5	-4.25
	5/2/16 8:56	-2	3	0.5		5/2/2016 9:04	-12	-1	-6.5
	5/2/16 9:11	-3	1	-1		5/2/2016 9:19	-6	0	-3
	5/2/16 9:26	-4	-0.5	-2.25		5/2/2016 9:34	-4	-1	-2.5
	5/2/16 9:41	-5.5	-1	-3.25		5/2/2016 9:49	-2.5	-1.5	-2
	5/2/16 9:56	-3	-1	-2		5/2/2016 10:04	-2.5	-1.5	-2
	5/2/16 10:11	-3.5	-1	-2.25		5/2/2016 10:19	-3	-1.5	-2.25
	5/2/16 10:26	-3	-0.5	-1.75		5/2/2016 10:34	-3	-1	-2
	5/2/16 10:41	-3	0	-1.5		5/2/2016 10:49	-2.5	-0.5	-1.5
	5/2/16 10:56	-3.5	0.5	-1.5		5/2/2016 11:04	-4	0	-2
	5/2/16 11:11	-6	-1	-2.5		5/2/2016 11:19	-3.5	0.5	-1.5
	5/2/16 11:26	-7.5	-0.5	-4		5/2/2016 11:34	-2.5	0	-1.25
	5/2/16 11:41	-7.5	0	-3.75		5/2/2016 11:49	-3	0	-1.5
	5/2/16 11:56	-6.5	0	-3.25		5/2/2016 12:04	-5	0.5	-2.25
	5/2/16 12:11	-8.5	0.5	-4		5/2/2016 12:19	-4	0	-2
	5/2/16 12:26	-9	0	-4.5		5/2/2016 12:34	-3.5	-1	-2.25
	5/2/16 12:41	-8.5	-2	-5.25		5/2/2016 12:49	-2.5	0	-1.25
	5/2/16 12:56	-8	-0.5	-4.25		5/2/2016 13:04	-3	0	-1.5
	5/2/16 13:11	-7	-0.5	-3.75		5/2/2016 13:19	-2.5	-0.5	-1.5
	5/2/16 13:26	-10	-2	-6		5/2/2016 13:34	-2	-0.5	-1.25
	5/2/16 13:41	-8	-1	-4.5		5/2/2016 13:49	-2.5	-0.5	-1.5
	5/2/16 13:56	-5	-1.5	-3.25		5/2/2016 14:04	-2.5	-0.5	-1.5
	5/2/16 14:11	-6	-1.5	-3.75		5/2/2016 14:19	-3	-0.5	-1.75
	5/2/16 14:26	-6	-1.5	-3.75		5/2/2016 14:34	-3	-0.5	-1.75
	5/2/16 14:41	-5	-2	-3.5		5/2/2016 14:49	-2.5	-0.5	-1.5
	5/2/16 14:56	-5.5	-1.5	-3.5		5/2/2016 15:04	-2	-1	-1.5
	5/2/16 15:11	-3.5	-1.5	-2.5		5/2/2016 15:19	-4	-1	-2.5
	5/2/16 15:26	-3	-1	-2		5/2/2016 15:34	-3	-1.5	-2.25
	5/2/16 15:41	-3	-1	-2		5/2/2016 15:49	-2.5	-1.5	-2
	5/2/16 15:56	-3	-1	-2		5/2/2016 16:04	-2.5	-0.5	-1.5
	5/2/16 16:11	-5.5	-1	-3.25		5/2/2016 16:19	-2	-0.5	-1.25
	5/2/16 16:26	-5	-2	-3.5		5/2/2016 16:34	-2	-1	-1.5
	5/2/16 16:41	-4	-1.5	-2.75		5/2/2016 16:49	-2	-1	-1.5
	5/2/16 16:56	-4	-1	-2.5		5/2/2016 17:04	-2.5	-1	-1.75
	5/2/16 17:11	-4	-0.5	-2.25		5/2/2016 17:19	-2.5	-1	-1.75
	5/2/16 17:26	-4	-0.5	-2.25		5/2/2016 17:34	-2.5	-1	-1.75
	5/2/16 17:41	-5	-1.5	-3.25		5/2/2016 17:49	-2.5	-1	-1.75
	5/2/16 17:56	-3.5	-0.5	-2		5/2/2016 18:04	-3	-1	-2
	5/2/16 18:11	-3.5	-1	-2.25		5/2/2016 18:19	-5	-1	-3
	5/2/16 18:26	-1.5	-0.5	-1		5/2/2016 18:34	-6.5	-1.5	-4
	5/2/16 18:41	-2.5	0	-1.25		5/2/2016 18:49	-4.5	-1.5	-3
	5/2/16 18:56	-2.5	0	-1.25		5/2/2016 19:04	-4.5	-1.5	-3
	5/2/16 19:11	-2	-1	-1.5		5/2/2016 19:19	-5	-1	-3
	5/2/16 19:26	-2.5	-0.5	-1.5		5/2/2016 19:34	-3.5	-1.5	-2.5
	5/2/16 19:41	-2.5	-1	-1.75		5/2/2016 19:49	-3.5	-1.5	-2.5
	5/2/16 19:56	-2.5	-0.5	-1.5		5/2/2016 20:04	-4	-1.5	-2.75
	5/2/16 20:11	-2	0	-1		5/2/2016 20:19	-4	-1.5	-2.75
	5/2/16 20:26	-2.5	-0.5	-1.5		5/2/2016 20:34	-4.5	-1.5	-3
	5/2/16 20:41	-2.5	-1	-1.75		5/2/2016 20:49	-4	-1.5	-2.75
	5/2/16 20:56	-2.5	0.5	-1		5/2/2016 21:04	-2.5	-1	-1.75
	5/2/16 21:11	-2	-0.5	-1.25		5/2/2016 21:19	-4	-1.5	-2.75
	5/2/16 21:26	-2.5	-0.5	-1.5		5/2/2016 21:34	-4	-1.5	-2.75
	5/2/16 21:41	-2	-1	-1.5		5/2/2016 21:49	-5	-1	-3
	5/2/16 21:56	-2.5	-1	-1.75		5/2/2016 22:04	-3.5	-1.5	-2.5
	5/2/16 22:11	-2.5	-0.5	-1.5		5/2/2016 22:19	-3.5	-1.5	-2.5
	5/2/16 22:26	-2.5	0	-1.25		5/2/2016 22:34	-5	-1.5	-3.25
	5/2/16 22:41	-2.5	-1	-1.75		5/2/2016 22:49	-3.5	-2	-2.75

Appendix B Table. All Differential Monitoring Data.
March-May 2016

Former Plant 5 Building and West Building
Dow Jamestown, Jamestown, New York

Omniguard Monitor 1					Omniguard Monitor 2				
Location	Date/Time	DP Lo	DP HI	DP Average	Location	Date/Time	DP Lo	DP HI	Average DP of both
	5/2/16 22:56	-2.5	-1	-1.75		5/2/2016 23:04	-4	-1.5	-2.75
	5/2/16 23:11	-2	-1	-1.5		5/2/2016 23:19	-3	-1.5	-2.25
	5/2/16 23:26	-2.5	-1.5	-2		5/2/2016 23:34	-2.5	-1.5	-2
	5/2/16 23:41	-2.5	-2	-2.25		5/2/2016 23:49	-3	-1.5	-2.25
	5/2/16 23:56	-2	-1.5	-1.75		5/3/2016 0:04	-3	-1.5	-2.25
	5/3/16 0:11	-2.5	-2	-2.25		5/3/2016 0:19	-3	-2	-2.5
	5/3/16 0:26	-2	-1.5	-1.75		5/3/2016 0:34	-2.5	-1.5	-2
	5/3/16 0:41	-2.5	-1.5	-2		5/3/2016 0:49	-2.5	-2	-2.25
	5/3/16 0:56	-2.5	-2	-2.25		5/3/2016 1:04	-2.5	-1.5	-2
	5/3/16 1:11	-2	-1.5	-1.75		5/3/2016 1:19	-3	-1.5	-2.25
	5/3/16 1:26	-2.5	-1.5	-2		5/3/2016 1:34	-2.5	-1.5	-2
	5/3/16 1:41	-2.5	-1.5	-2		5/3/2016 1:49	-2.5	-1.5	-2
	5/3/16 1:56	-2.5	-1.5	-2		5/3/2016 2:04	-2.5	-1.5	-2
	5/3/16 2:11	-2.5	-1	-1.75		5/3/2016 2:19	-3	-1.5	-2.25
	5/3/16 2:26	-2	-1.5	-1.75		5/3/2016 2:34	-3.5	-1.5	-2.5
	5/3/16 2:41	-2	-1.5	-1.75		5/3/2016 2:49	-3	-1.5	-2.25
	5/3/16 2:56	-2	-1.5	-1.75		5/3/2016 3:04	-3	-1.5	-2.25
	5/3/16 3:11	-2	-1.5	-1.75		5/3/2016 3:19	-3	-1.5	-2.25
	5/3/16 3:26	-2.5	-2	-2.25		5/3/2016 3:34	-3	-2	-2.5
	5/3/16 3:41	-2.5	-2	-2.25		5/3/2016 3:49	-3	-1.5	-2.25
	5/3/16 3:56	-2.5	-1.5	-2		5/3/2016 4:04	-3	-1.5	-2.25
	5/3/16 4:11	-2.5	-2	-2.25		5/3/2016 4:19	-3	-1.5	-2.25
	5/3/16 4:26	-2.5	-1	-1.75		5/3/2016 4:34	-3	-1.5	-2.25
	5/3/16 4:41	-2.5	-1.5	-2		5/3/2016 4:49	-3.5	-1.5	-2.5
	5/3/16 4:56	-2.5	-2	-2.25		5/3/2016 5:04	-3	-2	-2.5
	5/3/16 5:11	-2.5	-1.5	-2		5/3/2016 5:19	-2.5	-1.5	-2
	5/3/16 5:26	-2.5	-2	-2.25		5/3/2016 5:34	-3	-2	-2.5
	5/3/16 5:41	-2.5	-2	-2.25		5/3/2016 5:49	-3	-2	-2.5
	5/3/16 5:56	-2.5	-1.5	-2		5/3/2016 6:04	-3	-2	-2.5
	5/3/16 6:11	-2.5	-2	-2.25		5/3/2016 6:19	-3.5	-2	-2.75
	5/3/16 6:26	-2.5	-2	-2.25		5/3/2016 6:34	-3.5	-2	-2.75
	5/3/16 6:41	-2.5	-2	-2.25		5/3/2016 6:49	-2.5	-2	-2.25
	5/3/16 6:56	-2.5	-2	-2.25		5/3/2016 7:04	-3	-2	-2.5
	5/3/16 7:11	-2.5	0	-1.25		5/3/2016 7:19	-2.5	-0.5	-1.5
	5/3/16 7:26	-0.5	0	-0.25		5/3/2016 7:34	-2	0	-1
	5/3/16 7:41	-0.5	0	-0.25		5/3/2016 7:49	-1.5	0	-0.75
	5/3/16 7:56	-0.5	0.5	0		5/3/2016 8:04	-2.5	0	-1.25
	5/3/16 8:11	-0.5	0	-0.25		5/3/2016 8:19	-2	0	-1
	5/3/16 8:26	-0.5	0.5	0		5/3/2016 8:34	-3	0	-1.5
	5/3/16 8:41	-0.5	0.5	0		5/3/2016 8:49	-2.5	0	-1.25
	5/3/16 8:56	0	0	0		5/3/2016 9:04	-2	0	-1
	5/3/16 9:11	-0.5	0	-0.25		5/3/2016 9:19	-2	0	-1
	5/3/16 9:26	-0.5	0	-0.25		5/3/2016 9:34	-1.5	0	-0.75
	5/3/16 9:41	-0.5	0.5	0		5/3/2016 9:49	-1.5	0	-0.75
	5/3/16 9:56	-0.5	1	0.25		5/3/2016 10:04	-2.5	0	-1.25
	5/3/16 10:11	-0.5	0	-0.25		5/3/2016 10:19	-3	-0.5	-1.75
	5/3/16 10:26	-0.5	0.5	0		5/3/2016 10:34	-4	0	-2
	5/3/16 10:41	-0.5	1	0.25		5/3/2016 10:49	-3	0	-1.5
	5/3/16 10:56	-0.5	0.5	0		5/3/2016 11:04	-3	0	-1.5
	5/3/16 11:11	-0.5	1.5	0.5		5/3/2016 11:19	-2.5	0.5	-1
	5/3/16 11:26	-0.5	0.5	0.5		5/3/2016 11:34	-4	0.5	-1.75
	5/3/16 11:41	-0.5	0.5	0		5/3/2016 11:49	-2	0	-1
	5/3/16 11:56	-0.5	0.5	0		5/3/2016 12:04	-2	0.5	-0.75
	5/3/16 12:11	-0.5	1	0.25		5/3/2016 12:19	-3	1	-1
	5/3/16 12:26	-0.5	0.5	0		5/3/2016 12:34	-3.5	-0.5	-2
	5/3/16 12:41	-0.5	0	-0.25		5/3/2016 12:49	-3	0	-1.5
	5/3/16 12:56	-0.5	0.5	0		5/3/2016 13:04	-2	0	-1
	5/3/16 13:11	-0.5	0	-0.25		5/3/2016 13:19	-4	0	-2
	5/3/16 13:26	-0.5	0.5	0		5/3/2016 13:34	-2.5	-0.5	-1.5
	5/3/16 13:41	-0.5	0.5	0		5/3/2016 13:49	-3	-0.5	-1.75
	5/3/16 13:56	-0.5	0	-0.25		5/3/2016 14:04	-2	0.5	-0.75
	5/3/16 14:11	-0.5	0.5	0		5/3/2016 14:19	-1.5	0	-0.75
	5/3/16 14:26	-0.5	0	-0.25		5/3/2016 14:34	-1	0.5	-0.25
	5/3/16 14:41	-1	0	-0.5		5/3/2016 14:49	-2.5	0	-1.25
	5/3/16 14:56	-0.5	0	-0.25		5/3/2016 15:04	-1.5	0	-0.75
	5/3/16 15:11	-2	0	-1		5/3/2016 15:19	-2.5	-0.5	-1.5
	5/3/16 15:26	-4	-1.5	-2.75		5/3/2016 15:34	-2	-0.5	-1.25
	5/3/16 15:41	-3.5	-1	-2.25		5/3/2016 15:49	-2.5	-1	-1.75
	5/3/16 15:56	-4	-1	-2.5		5/3/2016 16:04	-2	-1	-1.5
	5/3/16 16:11	-3.5	-1.5	-2.5		5/3/2016 16:19	-2	-1	-1.5
	5/3/16 16:26	-5	-1.5	-3.25		5/3/2016 16:34	-2	0	-1
	5/3/16 16:41	-3	-1	-2		5/3/2016 16:49	-2	-1	-1.5
	5/3/16 16:56	-2	-1.5	-1.75		5/3/2016 17:04	-2.5	-1	-1.75
	5/3/16 17:11	-1.5	-1	-1.25		5/3/2016 17:19	-2	-1	-1.5
	5/3/16 17:26	-1.5	-1	-1.25		5/3/2016 17:34	-2	-0.5	-1.25
	5/3/16 17:41	-4.5	-1	-2.75		5/3/2016 17:49	-2	0	-1
	5/3/16 17:56	-4	-0.5	-2.25		5/3/2016 18:04	-1.5	-1	-1.25
	5/3/16 18:11	-3	-1	-2		5/3/2016 18:19	-1.5	-0.5	-1
	5/3/16 18:26	-3.5	-1.5	-2.5		5/3/2016 18:34	-1.5	-0.5	-1
	5/3/16 18:41	-4	-1	-2.5		5/3/2016 18:49	-1.5	-1	-1.25
	5/3/16 18:56	-3	-1.5	-2.25		5/3/2016 19:04	-1.5	-1	-1.25
	5/3/16 19:11	-4	-1.5	-2.75		5/3/2016 19:19	-1.5	-0.5	-1
	5/3/16 19:26	-3.5	-1.5	-2.5		5/3/2016 19:34	-1.5	-1	-1.25
	5/3/16 19:41	-3	-1.5	-2.25		5/3/2016 19:49	-1.5	-1	-1.25
	5/3/16 19:56	-3.5	-1.5	-2.5		5/3/2016 20:04	-1.5	-1	-1.25
	5/3/16 20:11	-2.5	-1.5	-2		5/3/2016 20:19	-1.5	-1	-1.25
	5/3/16 20:26	-2	-1.5	-1.75		5/3/2016 20:34	-1.5	-1	-1.25
	5/3/16 20:41	-2.5	-1.5	-2		5/3/2016 20:49	-1.5	-1	-1.25
	5/3/16 20:56	-2	-1.5	-1.75		5/3/2016 21:04	-2	-1	-1.5
	5/3/16 21:11	-2	-1.5	-1.75		5/3/2016 21:19	-2	-1.5	-1.75
	5/3/16 21:26	-2	-1.5	-1.75		5/3/2016 21:34	-2	-1.5	-1.75
	5/3/16 21:41	-1.5	-1.5	-1.5		5/3/2016 21:49	-2	-1.5	-1.75
	5/3/16 21:56	-1.5	-1.5	-1.5		5/3/2016 22:04	-2	-1.5	-1.75
	5/3/16 22:11	-2	-1.5	-1.75		5/3/2016 22:19	-2	-1.5	-1.75
	5/3/16 22:26	-2	-1.5	-1.75		5/3/2016 22:34	-2	-1.5	-1.75
	5/3/16 22:41	-2	-1.5	-1.75		5/3/2016 22:49	-2.5	-1.5	-2
	5/3/16 22:56	-2	-1.5	-1.75		5/3/2016 23:04	-2.5	-2	-2.25
	5/3/16 23:11	-2.5	-2	-2.25		5/3/2016 23:19	-2.5	-1.5	-2
	5/3/16 23:26	-2.5	-2	-2.25		5/3/2016 23:34	-2.5	-2	-2.25
	5/3/16 23:41	-2.5	-2	-2.25		5/3/2016 23:49	-2.5	-2	-2.25
	5/4/16 0:04	-2.5	-2	-2.25		5/4/2016 0:04	-2.5	-2	-2.25
	5/4/16 0:26	-2.5	-2	-2.25		5/4/2016 0:19	-2.5	-2	-2.25
	5/4/16 0:41	-3	-2.5	-2.75		5/4/2016 0:34	-2.5	-2	-2.25
	5/4/16 0:56	-3	-2.5	-2.75		5/4/2016 1:04	-2.5	-2	-2.25
	5/4/16 1:11	-3	-2.5	-2.75		5/4/2016 1:19	-3	-2	-2.5
	5/4/16 1:26	-3	-2.5	-2.75		5/4/2016 1:34	-3	-2	-2.5
	5/4/16 1:41	-3	-2.5	-2.75		5/4/2016 1:49	-2.5	-2	-2.25
	5/4/16 1:56	-3	-2.5	-2.75		5/4/2016 2:04	-3	-2	-2.5
	5/4/16 2:11	-3	-2.5	-2.75		5/4/2016 2:19	-2.5	-2	-2.25
	5/4/16 2:26	-3	-2.5	-2.75		5/4/2016 2:34	-2.5	-2	-2.25
	5/4/16 2:41	-2.5	-2.5	-2.5		5/4/2016 2:49	-2.5	-2	-2.25
	5/4/16 2:56	-3	-2.5	-2.75		5/4/2016 3:04	-2.5	-2	-2.25
	5/4/16 3:11	-3	-2.5	-2.75		5/4/2016 3:19	-2.5	-2	-2.25
	5/4/16 3:26	-3	-2.5	-2.75		5/4/2016 3:34	-2.5	-2	-2.25
	5/4/16 3:41	-3	-2.5	-2.75		5/4/2016 3:49	-2.5	-2	-2.25
	5/4/16 3:56	-3	-2.5	-2.75		5/4/2016 4:04	-2.5	-2	-2.25
	5/4/16 4:11	-3.5	-2.5	-3		5/4/2016 4:19	-2.5	-2	-2.25
	5/4/16 4:26	-3	-2.5	-2.75		5/4/2016 4:34	-3	-2.5	-2.75
	5/4/16 4:41	-3	-2.5	-2.75		5/4/2016 4:49	-2.5	-2	-2.25
	5/4/16 4:56	-3	-2.5	-2.75		5/4/2016 5:04	-2.5	-2	-2.25
	5/4/16 5:11	-3	-2.5	-2.75		5/4/2016 5:19	-2.5	-2	-2.25
	5/4/16 5:26	-3	-2.5	-2.75		5/4/2016 5:34	-2.5	-2	-2.25
	5/4/16 5:41	-3	-2.5	-2.75		5/4/2016 5:49	-3	-2.5	-2.75

Appendix C

Photo Log

Dow-Jamestown
Photolog VI Investigation



File Name:	FID9_IA1	Date Taken:	4/18/2016	View Direction:	East
Description:	HAPSITE sample collected at location IA-1 against eastern wall.				HAPSITE ID IA-1



File Name:	FID12_IA4	Date Taken:	4/18/2016	View Direction:	North
Description:	HAPSITE sample collected at location IA-4 east of break area				HAPSITE ID IA-4

Dow-Jamestown
Photolog VI Investigation



File Name:	FID13_OA1	Date Taken:	4/18/2016	View Direction:	East
Description:	HAPSITE sample collected at location OA-1 near fence across Hopkins Avenue.				HAPSITE ID OA-1



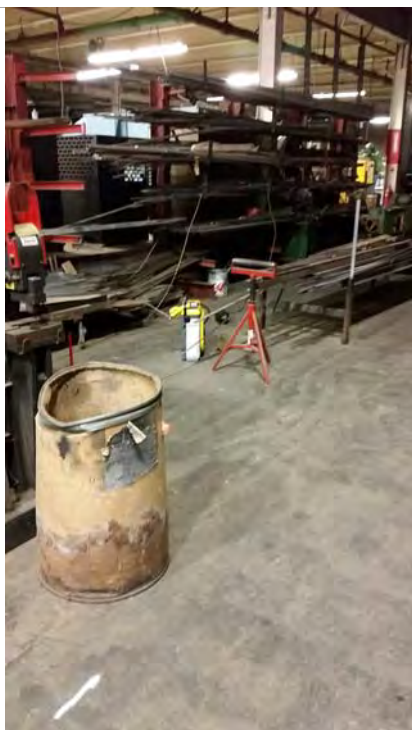
File Name:	FID14_IA5	Date Taken:	4/18/2016	View Direction:	West
Description:	HAPSITE sample collected at location IA-5 on western wall.				HAPSITE ID IA-5



File Name:	FID15_IA6	Date Taken:	4/18/2016	View Direction:	West
Description:	HAPSITE sample collected at location IA-6 in compressor room within Building 5.				HAPSITE ID IA-6



File Name:	FID16_IA7	Date Taken:	4/18/2016	View Direction:	North
Description:	HAPSITE sample collected at location IA-7 in southeastern room within Building 5.				HAPSITE ID IA-7



File Name:	FID17_IA8	Date Taken:	4/18/2016	View Direction:	SW
Description:	HAPSITE sample collected at location IA-8 in middle of lower area in Building 5				HAPSITE ID IA-8



File Name:	FID18_PP1	Date Taken:	4/18/2016	View Direction:	South
Description:	HAPSITE sample collected at PP1. Drain on ramp.				HAPSITE ID PP-1



File Name:	FID19_PP2	Date Taken:	4/18/2016	View Direction:	West
Description:	HAPSITE sample collected at PP2. Dirt floor near the main entrance to Building 5.				HAPSITE ID PP-2



File Name:	FID20_IA9	Date Taken:	4/18/2016	View Direction:	North
Description:	HAPSITE sample collected at location IA-9 in main office near the main entrance to Building 5.				HAPSITE ID IA-9

Dow-Jamestown
Photolog VI Investigation



File Name:	FID21_IA10	Date Taken:	4/18/2016	View Direction:	West
Description:	HAPSITE sample collected at location IA-10 in the northern portion of West Building.			HAPSITE ID	IA-10



File Name:	FID22_IA11	Date Taken:	4/18/2016	View Direction:	NE
Description:	HAPSITE sample collected at location IA-11 in SE portion of West Building.			HAPSITE ID	IA-11



File Name:	FID23_IA12	Date Taken:	4/18/2016	View Direction:	South
Description:	HAPSITE sample collected at location IA-12 in middle of West Building.				HAPSITE ID IA-12



File Name:	FID24_IA13	Date Taken:	4/18/2016	View Direction:	East
Description:	HAPSITE sample collected at location IA-13 in NW portion of West Building.				HAPSITE ID IA-13



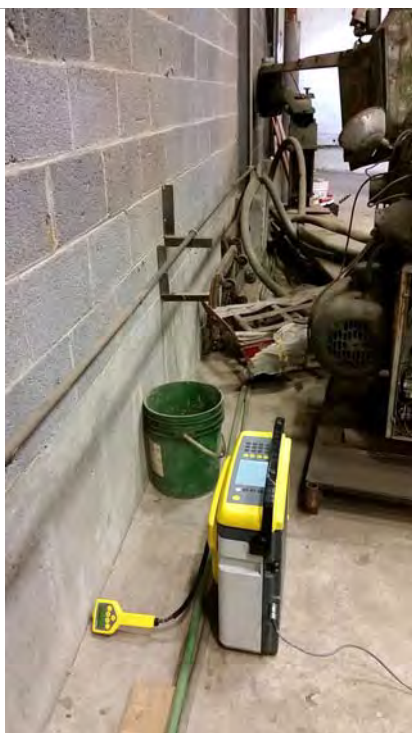
File Name:	FID25_IA14	Date Taken:	4/18/2016	View Direction:	West
Description:	HAPSITE sample collected at location IA-14 in SW portion of West Building.				HAPSITE ID IA-14



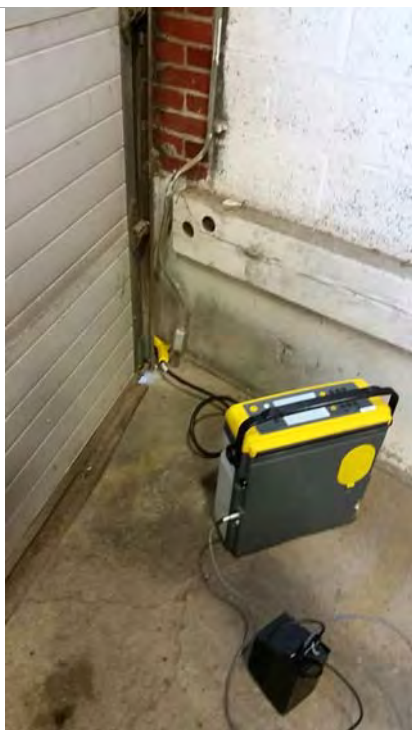
File Name:	FID28_IA16	Date Taken:	4/18/2016	View Direction:	North
Description:	HAPSITE sample collected at location IA-16 in SE portion of West Building directly next to CVOC drums.				HAPSITE ID IA-16



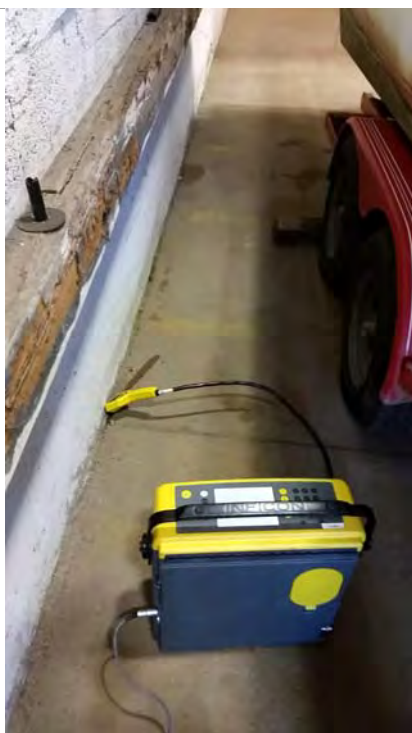
File Name:	FID30_PP3	Date Taken:	4/18/2016	View Direction:	NE
Description:	HAPSITE sample collected at PP3 in a hole by the north wall in Building 5.				HAPSITE ID PP-3



File Name:	FID31_PP4	Date Taken:	4/18/2016	View Direction:	NE
Description:	HAPSITE sample collected at PP4 in a crack by the North wall in Building 5.				HAPSITE ID PP-4



File Name:	FID32_PP5	Date Taken:	4/18/2016	View Direction:	NE
Description:	HAPSITE sample collected at PP5 in a crack by the NE corner of Building 5.				HAPSITE ID PP-5



File Name:	FID33_PP6	Date Taken:	4/18/2016	View Direction:	SE
Description:	HAPSITE sample collected at PP6 in a crack by the eastern wall of Building 5.				HAPSITE ID PP-6



File Name:	FID34_PP7	Date Taken:	4/18/2016	View Direction:	East
Description:	HAPSITE sample collected at PP7 in a hole on the eastern wall of Building 5.	HAPSITE ID		PP-7	



File Name:	FID35_PP8	Date Taken:	4/18/2016	View Direction:	SE
Description:	HAPSITE sample collected at PP8 in a crack by the eastern wall of Building 5.	HAPSITE ID		PP-8	



File Name:	FID36_PP9	Date Taken:	4/18/2016	View Direction:	North
Description:	HAPSITE sample collected at PP9 in a crack on the west side of ramp in Building 5.				HAPSITE ID PP-9



File Name:	FID37_PP10	Date Taken:	4/18/2016	View Direction:	East
Description:	HAPSITE sample collected at PP10 in a crack west of the ramp in Building 5.				HAPSITE ID PP-10



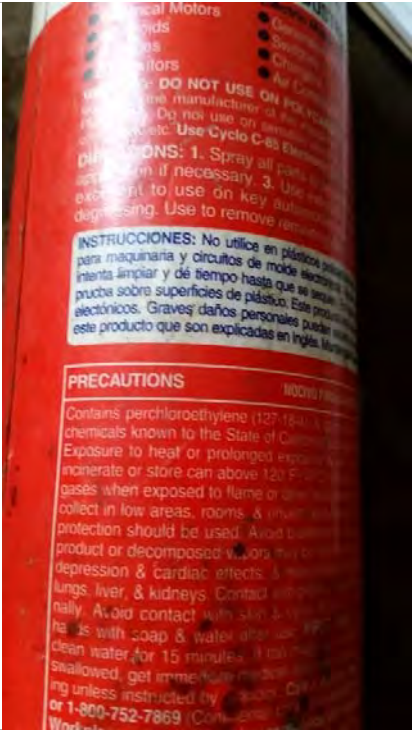
File Name:	D-NF Developer	Date Taken:	4/18/2016	View Direction:	NA
Description:	Spray Can of D-NF Developer. Contains Methylene chloride. In solvent storage near Bldg 5 office				HAPSITE ID



File Name:	MeCL	Date Taken:	4/18/2016	View Direction:	NA
Description:	Spray Can of D-NF Developer. Contains Methylene chloride				HAPSITE ID



File Name:	Cyclo	Date Taken:	4/18/2016	View Direction:	NA
Description:	Spray can of Cyclo Electric motor cleaner. Contains PCE. In SE corner of West building				HAPSITE ID



File Name:	Cyclo PCE	Date Taken:	4/18/2016	View Direction:	NA
Description:	Spray can of Cyclo Electric motor cleaner. Contains PCE				HAPSITE ID



File Name:	111TCA and PCE	Date Taken:	4/18/2016	View Direction:	NA
Description:	1 gallon containers of 1,1,1-TCA and PCE. In SE corner of West building				HAPSITE ID



File Name:	TCE	Date Taken:	4/18/2016	View Direction:	NA
Description:	55 gallon drum of TCE. In SE corner of West building				HAPSITE ID



File Name:	CVOC Drums	Date Taken:	4/18/2016	View Direction:	North
Description:	Pallet of drums containing CVOCs. In SE corner of West building				HAPSITE ID



File Name:	HAPSITE and drums	Date Taken:	4/18/2016	View Direction:	NE
Description:	HAPSITE sample near pallet of drums containing CVOCs. In SE corner of West building				HAPSITE ID
					IA-11



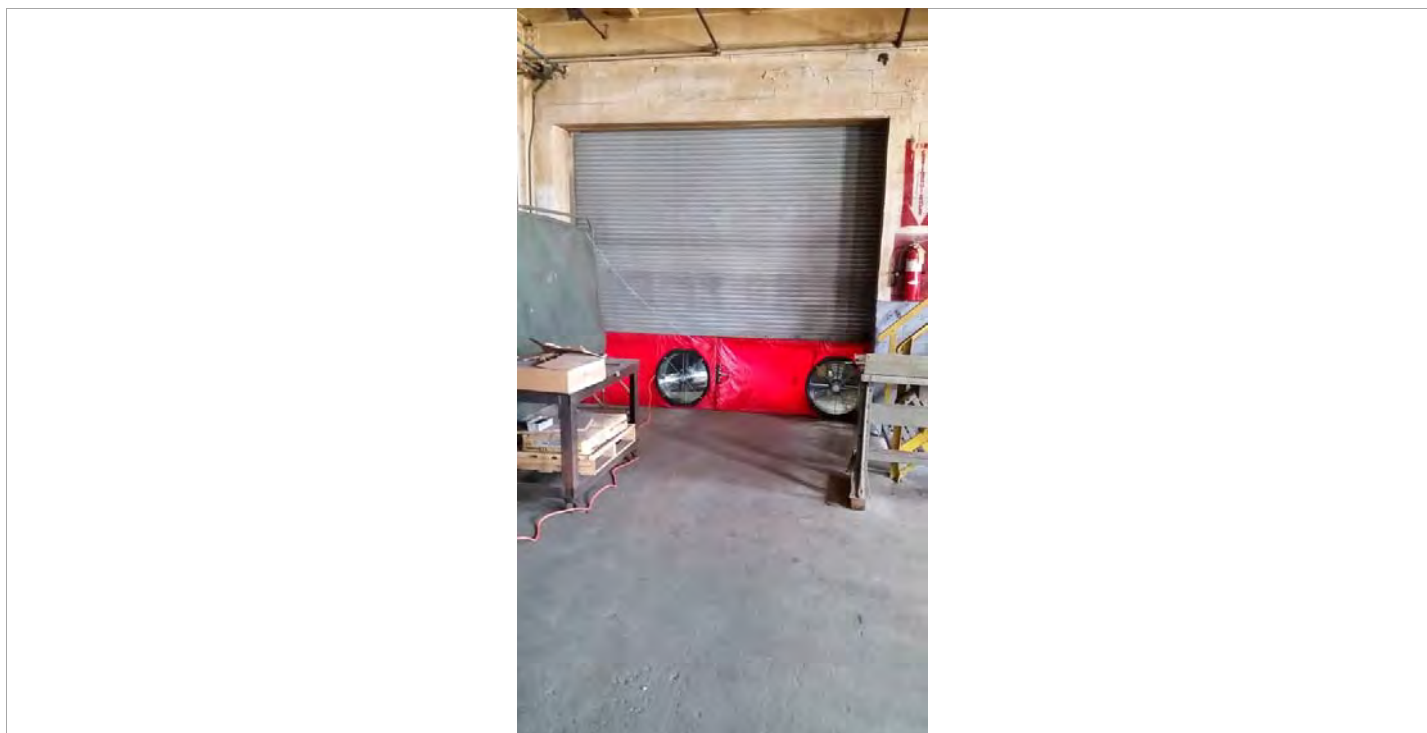
File Name:	in Compressor room	Date Taken:	4/20/2016	View Direction:	SW
Description:	Negative pressure cycle BD location in compressor room				HAPSITE ID



File Name:	in Compressor room	Date Taken:	4/20/2016	View Direction:	SW
Description:	Negative pressure cycle BD location in compressor room				HAPSITE ID



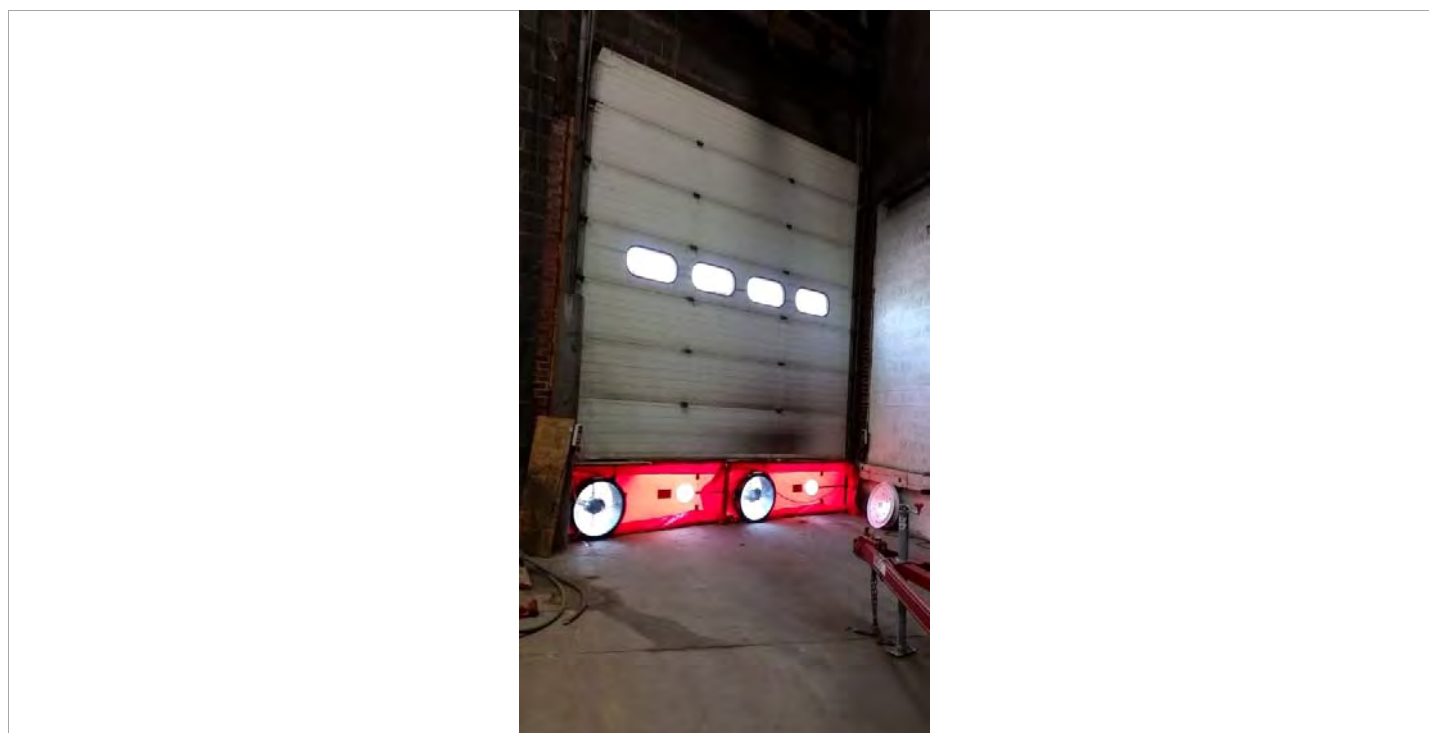
File Name:	PD Neg In	Date Taken:	4/20/2016	View Direction:	SW
Description:	Negative pressure cycle BD location in compressor room				HAPSITE ID



File Name:	BD Neg Out	Date Taken:	4/20/2016	View Direction:	North
Description:	Negative pressure cycle BD location in compressor room				HAPSITE ID



File Name:	GW and Cracks	Date Taken:	4/20/2016	View Direction:	East	
Description:	Cracks and GW well completions in NW portion of Bldg 5				HAPSITE ID	



File Name:	BD Positive in	Date Taken:	4/21/2016	View Direction:	North	
Description:	Positive pressure cycle BD location in NE roll up door				HAPSITE ID	



File Name:	BD Pos Out	Date Taken:	4/21/2016	View Direction:	West
Description:	Positive pressure cycle BD location in NE roll up door				HAPSITE ID



File Name:	Brakleen	Date Taken:	4/21/2016	View Direction:	NA
Description:	Spray can of Brakleen. Contains PCE and TCE. Near sheet metal press in Bldg 5.				HAPSITE ID



File Name:	PCE or TCE	Date Taken:	4/21/2016	View Direction:	NA
Description:	Spray can of Brakleen. Contains PCE and TCE.				HAPSITE ID

Appendix D

Laboratory Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

CH2M Hill, Inc.
PO Box 241329
Denver CO 80224

Report Date: May 02, 2016

Project: Dow Jamestown, NY

Submittal Date: 04/25/2016

Group Number: 1653851

SDG: DJT01

PO Number: 667646.01.05

Release Number: DJT01

State of Sample Origin: NY

Client Sample DescriptionBLD05-IA17SC-042016 Air
BLD05-IA02SC-042116 Air
BLD05-OA03SC-042116 Air
BLD05-IABDESC-042016 Air

Lancaster Labs

(LL) #

8349239

8349240

8349241

8349242

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To CH2M Hill, Inc.
Electronic Copy To CH2M Hill, Inc.Attn: Kyle Block
Attn: Shane Lowe

Respectfully Submitted,

Natalie R. Luciano
Senior Specialist

(717) 556-7258

April 29, 2016

Ms. Shane Lowe
CH2M Hill, Inc.
Suite 305
300 Hunter Avenue
St. Louis, MO 63124

Dear Ms. Lowe:

I am writing to inform you of revised analytical reports that are being issued for the following:

Project: Dow Jamestown, NY

Group No.: 1653851

SDG No.: DJT01

ELLE Sample No.	Client Sample Identification	Collection Date
8349239	BLD05-IA17SC-042016 Air	04/20/2016
8349242	BLD05-IABDESC-042016 Air	04/20/2016

In response to your inquiry regarding the analytical results for the samples listed above, it was determined that the laboratory mislabeled samples BLD05-IA17SC-042016 and BLD05-IABDESC-042016 during sample entry. The error has been corrected.

The revised analytical report reflects this correction and is enclosed.

You are a valued client and we apologize for any inconvenience that this incident may have caused. If you have any questions or require further assistance, please call me at 717-656-2300, Ext. 1881. We appreciate your business and look forward to continuing to serve your laboratory needs.

Sincerely,



Natalie R. Luciano
Senior Specialist
Environmental Client Services

NRL/mc
Enclosures

REVISED

Sample Description: BLD05-IA17SC-042016 Air
SUMMA# 1006
Dow Jamestown

LL Sample # AQ 8349239
LL Group # 1653851
Account # 11372

Project Name: Dow Jamestown, NY

Collected: 04/20/2016 08:05 by BT
through 04/20/2016 08:06
Submitted: 04/25/2016 08:45
Reported: 05/02/2016 08:40

CH2M Hill, Inc.
PO Box 241329
Denver CO 80224

JAMIA SDG#: DJT01-01

CAT No.	Analysis Name	CAS Number	Final Result	LOQ	Final Result	LOQ	DF
Volatiles in Air		EPA TO-15 using SIM	ug/m3	ug/m3	ppb(v)	ppb(v)	
07345	cis-1,2-Dichloroethene	156-59-2	0.888	0.198	0.224	0.0500	1
07345	Tetrachloroethene	127-18-4	0.651	0.339	0.0959	0.0500	1
07345	1,1,1-Trichloroethane	71-55-6	0.113 J	0.273	0.0208 J	0.0500	1
07345	Trichloroethene	79-01-6	2.78	0.269	0.518	0.0500	1
07345	Vinyl Chloride	75-01-4	0.245	0.128	0.0959	0.0500	1

LOQ = Limit of Quantitation

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07345	TO-15 SIM as Add-on	EPA TO-15 using SIM	1	E1611630AA	04/25/2016 17:27	Jacob E Bailey	1

REVISED

Sample Description: BLD05-IA02SC-042116 Air
SUMMA# 1041
Dow Jamestown

LL Sample # AQ 8349240
LL Group # 1653851
Account # 11372

Project Name: Dow Jamestown, NY

Collected: 04/21/2016 11:03 by BT
through 04/21/2016 11:04
Submitted: 04/25/2016 08:45
Reported: 05/02/2016 08:40

CH2M Hill, Inc.
PO Box 241329
Denver CO 80224

1041- SDG#: DJT01-02

CAT No.	Analysis Name	CAS Number	Final Result	LOQ	Final Result	LOQ	DF
Volatiles in Air EPA TO-15 using SIM							
07345	cis-1,2-Dichloroethene	156-59-2	0.872	0.198	0.220	0.0500	1
07345	Tetrachloroethene	127-18-4	0.599	0.339	0.0883	0.0500	1
07345	1,1,1-Trichloroethane	71-55-6	0.117 J	0.273	0.0214 J	0.0500	1
07345	Trichloroethene	79-01-6	1.52	0.269	0.284	0.0500	1
07345	Vinyl Chloride	75-01-4	0.269	0.128	0.105	0.0500	1

LOQ = Limit of Quantitation

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07345	TO-15 SIM as Add-on	EPA TO-15 using SIM	1	E1611630AA	04/25/2016 17:59	Jacob E Bailey	1

REVISED

Sample Description: BLD05-OA03SC-042116 Air
SUMMA# 1315
Dow Jamestown

LL Sample # AQ 8349241
LL Group # 1653851
Account # 11372

Project Name: Dow Jamestown, NY

Collected: 04/21/2016 12:25 by BT
through 04/21/2016 12:26
Submitted: 04/25/2016 08:45
Reported: 05/02/2016 08:40

CH2M Hill, Inc.
PO Box 241329
Denver CO 80224

-1315 SDG#: DJT01-03

CAT No.	Analysis Name	CAS Number	Final Result	LOQ	Final Result	LOQ	DF
Volatiles in Air EPA TO-15 using SIM			ug/m3	ug/m3	ppb(v)	ppb(v)	
07345	cis-1,2-Dichloroethene	156-59-2	0.186 J	0.198	0.0468 J	0.0500	1
07345	Tetrachloroethene	127-18-4	0.690	0.339	0.102	0.0500	1
07345	1,1,1-Trichloroethane	71-55-6	0.273 U	0.273	0.0500 U	0.0500	1
07345	Trichloroethene	79-01-6	0.378	0.269	0.0704	0.0500	1
07345	Vinyl Chloride	75-01-4	0.128 U	0.128	0.0500 U	0.0500	1

LOQ = Limit of Quantitation

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07345	TO-15 SIM as Add-on	EPA TO-15 using SIM	1	E1611630AA	04/25/2016 18:31	Jacob E Bailey	1

REVISED

Sample Description: BLD05-IABDESC-042016 Air
SUMMA# 1064
Dow Jamestown

LL Sample # AQ 8349242
LL Group # 1653851
Account # 11372

Project Name: Dow Jamestown, NY

Collected: 04/20/2016 13:12 by BT
through 04/20/2016 13:13
Submitted: 04/25/2016 08:45
Reported: 05/02/2016 08:40

CH2M Hill, Inc.
PO Box 241329
Denver CO 80224

1034- SDG#: DJT01-04

CAT No.	Analysis Name	CAS Number	Final Result	LOQ	Final Result	LOQ	DF
Volatiles in Air EPA TO-15 using SIM							
07345	cis-1,2-Dichloroethene	156-59-2	0.666	0.198	0.168	0.0500	1
07345	Tetrachloroethene	127-18-4	0.307 J	0.339	0.0453 J	0.0500	1
07345	1,1,1-Trichloroethane	71-55-6	0.110 J	0.273	0.0201 J	0.0500	1
07345	Trichloroethene	79-01-6	2.29	0.269	0.425	0.0500	1
07345	Vinyl Chloride	75-01-4	2.08	0.128	0.816	0.0500	1

LOQ = Limit of Quantitation

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07345	TO-15 SIM as Add-on	EPA TO-15 using SIM	1	E1611630AA	04/25/2016 19:03	Jacob E Bailey	1

Quality Control Summary

Client Name: CH2M Hill, Inc.
Reported: 05/02/2016 08:40

Group Number: 1653851

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/m3	ug/m3
Batch number: E1611630AA	Sample number(s): 8349239-8349242	
cis-1,2-Dichloroethene	0.198 U	0.198
Tetrachloroethene	0.339 U	0.339
1,1,1-Trichloroethane	0.273 U	0.273
Trichloroethene	0.269 U	0.269
Vinyl Chloride	0.128 U	0.128

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/m3	ug/m3	ug/m3	ug/m3					
Batch number: E1611630AA	Sample number(s): 8349239-8349242								
cis-1,2-Dichloroethene	1.04	0.931	1.04	0.976	89	94	54-118	5	25
Tetrachloroethene	1.82	1.59	1.82	1.73	87	95	48-130	9	25
1,1,1-Trichloroethane	1.41	1.19	1.41	1.27	85	90	70-130	6	25
Trichloroethene	1.39	1.45	1.39	1.50	105	108	70-130	3	25
Vinyl Chloride	0.647	0.607	0.647	0.650	94	101	64-119	7	25

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

For Eurofins Lancaster Laboratories Environmental use only
Acct. # 11372 Group # 165389 Sample # 8349239-242 Bottle Order (SCR) # _____

[illegible]

Client: CH2MHILL

Dow Jamestown

1653857

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>04/25/2016 8:45</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NY</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	N/A	VOA Vial Headspace $\geq$ 6mm:	N/A
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	Yes
Missing Samples:	No	Air Quality Flow Controllers Present:	No
Extra Samples:	No	Air Quality Returns:	No
Discrepancy in Container Qty on COC:	No		

Unpacked by Katie Hartlove (2114) at 10:35 on 04/25/2016

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/L), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value $\geq$ the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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