March 27, 2015

Mr. Brian Jankauskas, P.E.
Environmental Engineer II
Remedial Bureau A, Section C
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway
Albany, NY 12233 – 7015

Subject: Chez Valet Dry Cleaners – NYSDEC Site Number 1-03-169
Revised Progress Report For Time Period 4/9/2013 through 1/29/2015

Dear Mr. Jankauskas:

Attached please find a progress report for the subject site covering the time frame of April 9, 2013 through January 29, 2015. This progress report has been modified to reflect comments received from you in a letter dated February 26, 2015. A summary of the modifications to the report are summarized below as they relate to your comments.

1. *Page 4, Groundwater Sampling – Further groundwater sampling will not be required at this time. Groundwater sampling will be required prior to removal of the groundwater use restriction.*
   - A bullet item has been added under Groundwater Sampling to reflect this directive.

2. *Page 4, Section 1, last bullet, Draft Environmental Easement – please note that this site is still a Class 2 site since the Site Management Plan and Final Engineering Report have not been finalized, the Certificate of Completion has not been issued and State costs of not been paid (see attached letter from April 4, 2013). The department would like to revise the classification as soon as the necessary steps are completed.*
   - A description and a list of items requiring completion prior to NYSDEC considering reclassification of the site has been added under Draft Environmental Easement paragraph.

3. *Page 5 Section 2 table – Suggest including when the system was restarted and if any other system checks were performed (9/5/14 and 12/12/14 as indicated on page 3).*
   - 9/5/14 and 12/12/14 site visits and system checks have been added to table

4. *Page 11, Section 3.d.ii, observations, bullets 2 and 3 – attachment E contains PID measurements, which cannot be compared to guideline values for a particular chemical. Suggest referencing a table with an Attachment E that has inlet sample results from laboratory analysis. Suggest the table include the results from February 2011, April 2011, and March 2012 at a minimum.*
   - *Clarification wording has been added to Paragraphs 3.d.i and 3.d.ii clarifying sample results related to field PID measurements versus laboratory analyses.*
   - *Attachment E has been expanded to include a table and graph representing laboratory results for tetrachloroethene for the airstream extracted by the SVE/SSD prior to carbon treatment.*

Andris H. Ledins, P.E.
2 South Farm Road, Sands Point, NY 11050, 516-467-4537, aledins@optonline.net

Additionally, in September 2013 the Department of Health changed the air guideline value for tetrachloroethene from 100 micrograms per cubic meter to 30 micrograms per cubic meter (see attached). Suggest revising the text for these bullets accordingly.

- Removed 100 mcg/m³ PERC associations with indoor air guidelines.
- Clarified that the < 100 mcg/m³ reading was identified as a target level for subslab vapor concentrations as identified in Soil Vapor/Indoor Air Matrix 2, October 2006.

5. *Page 12, Section 5, second bullet – The Department is receptive to the shutdown and sampling of the system. The system should be shut down on or before March 4th and samples collected on or shortly after April 20th . Preliminary laboratory result shall be provided by June 1st so the Department can assess the data and determine if the system shall be restarted. A formal report shall be provided by August 20th.*
   - *Based on this recommendation, system was shut down and documented by present owner on 3/3/2015, 9:25 AM with an hour meter reading of 8430.1.*
   - *Severn Trent Environmental Services has been contacted and instructed of the proposed sampling dates, laboratory turnaround times and reporting target dates.*

We trust that we have responded to the items listed in your reference letter. Should you have any questions or require additional information please do not hesitate to call me at 516-467-4537.

Best regards,

Andris H. Ledins NYSPE

CC: David Brodsky - 1 – 3 Manorhaven Blvd., LLC
Keyvan Ghaytanchi - 1 – 3 Manorhaven Blvd., LLC
Joe Covati - STES

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SSD/SVE SYSTEM
NYSDEC Site Number 1-03-169
Former Chez Valet Dry Cleaners
1-3 Manorhaven Boulevard
Port Washington, NY 11050

Progress Report

Submitted 3/27/2015

Time Period
4/9/2013 to 1/29/2015

The purpose of this report will be to generally outline work efforts conducted and remedial progress at the above referenced site for the time period indicated.

1. Summary of Highlights - This Reporting Period

- The **Sub Slab Depressurization System (SSD)/ Soil Venting and Extraction (SVE)** system continues operation and has been operational since 2/7/2011. Except for planned shutdowns in CY 2013 and CY 2014 for sampling, the system has had an uptime operating rate of 99.6%

- **Sub-Slab TVOC**
  - Sub-Slab, Total Volatile Organic Compound (TVOC) concentrations, represented by the influent air concentration to the carbon vessels, continues to be low. Typically below 0.2 ppm and frequently around 0.1 ppm TVOC.
  - These concentrations seem to have reached an asymptotic level, but it should be noted that the TVOC measurement detected by a portable Photoionization Detector (PID) registers all volatile compounds beyond our compound of concern, tetrachloroethene (PCE), and is likely influenced by the volatile compounds utilized in the haircare/nail salon as well as the interior renovation activities in the "North Room".
  - We recorded spikes in TVOC levels during the post-sampling restart of the system on 9/27/13 (11.72 ppm) as well as 3/17/14 (3.32 ppm) due to construction activities on the site which included painting of floors and applying lacquer finish to interior doors. Due to the ppb levels that we are now measuring, even these activities have an impact on our results.

- **Indoor Air (Specific to PCE)**

  South Room (Salon)
  - Summa canister sampling showed a decrease from 2.51 $\mu g/m^3$ in 2009 to 0.25 $\mu g/m^3$ in April 2014.
  - It should be noted that while the samples collected in 2011 and 2013 both were non-detect they did have a method detection limit (MDL) exceeding the original 2.51 $\mu g/m^3$ detection limit.

North Room

- Summa canister sampling showed a decrease from 11 $\mu g/m^3$ in August 2013 to non-detect in April 2014

- Ambient Air (summa canister results)
  - 0.48 $\mu g/m^3$ August 2013
  - non-detect April 2014

- **Sub-Slab Vapor (Specific to PCE)** (summa canister results)

  South Room (Salon) VP–4
  - 2900 $\mu g/m^3$ in 2009 prior to the SVE/SSD
  - 220 $\mu g/m^3$ in August 2013
  - 44 $\mu g/m^3$ in April 2014

  North Room (West of basement area) VP–3
  - 13,700 $\mu g/m^3$ in 2009 prior to the SVE/SSD
  - 1400 $\mu g/m^3$ in August 2013
  - 700 $\mu g/m^3$ in April 2014

- **Soil Vapor/Indoor Air Matrix 2**

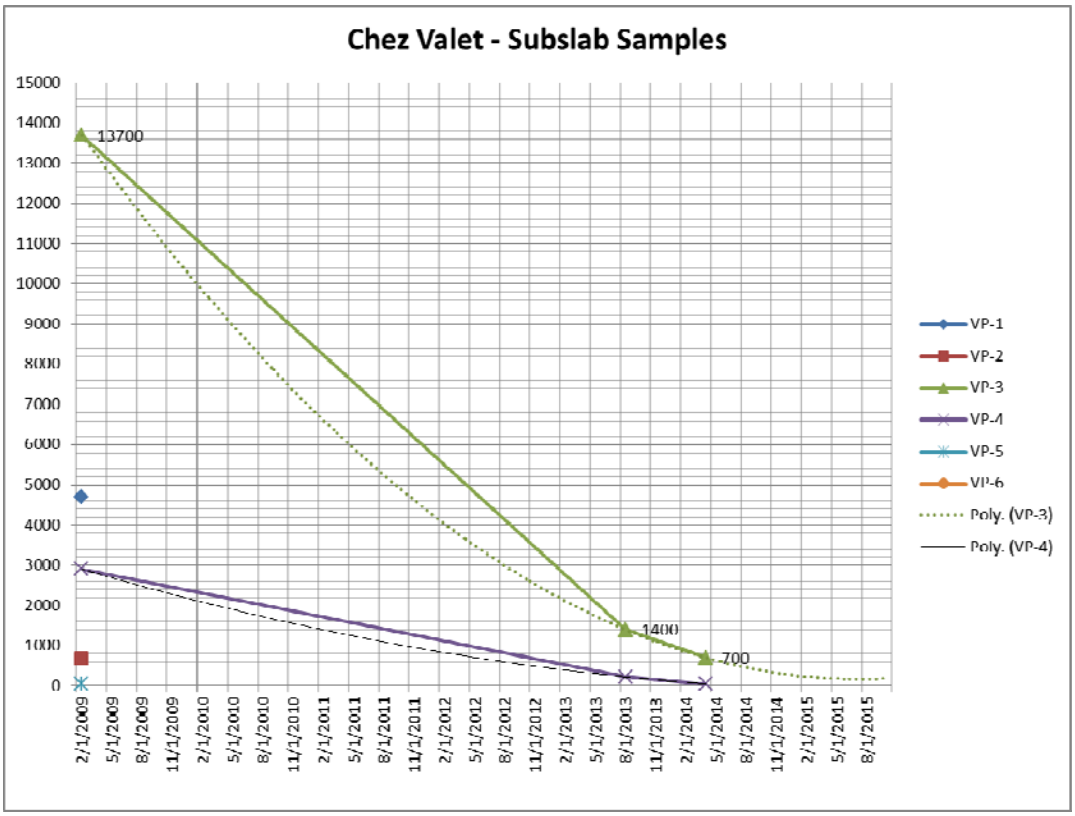
  The New York State Department of Environmental Conservation (NYSDEC) utilizes this matrix to provide guidance to sites that have indoor air and/or sub-slab vapor which contain chemicals of concern. Please refer to Attachment 1. Based on the relationship of indoor air concentrations versus sub slab vapor concentrations certain actions are then dictated that range from "No Further Action" to "Mitigate". Until recently the Chez Valet site has always fallen solidly in the Mitigate category.

  August 2013 results:
  - The highest value indoor air result was 2.51 $\mu g/m^3$ and the highest value subslab vapor result was 1400 $\mu g/m^3$.
  - Applying these values to the matrix, yielded a Mitigate recommendation

  April 2014 results:
  - The highest value indoor air result was 0.25 $\mu g/m^3$ and the highest value subslab vapor result was 700 $\mu g/m^3$.
  - Applying these values to the matrix, yielded a Monitor recommendation.

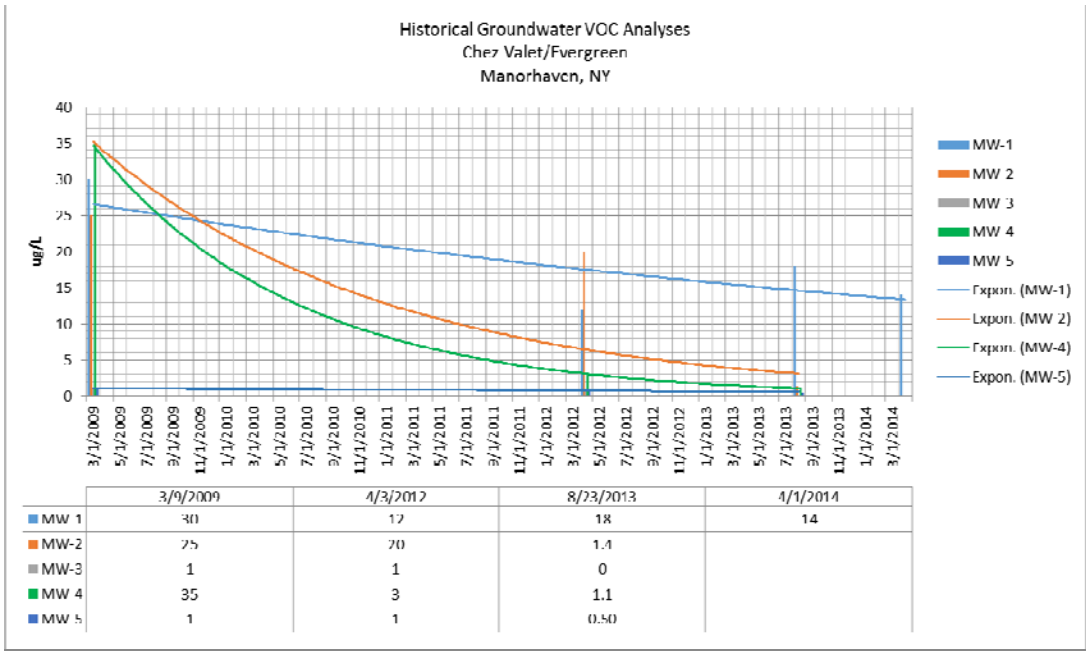
  Although a "Monitor" designation is already a significant improvement for the site, the ultimate goal is to achieve a "No Further Action" classification for the site. Therefore the target value we are looking to achieve for subslab vapor is <100 $\mu g/m^3$.

  The site's , most recent (April 2014), highest recorded subslab vapor concentration is 700 $\mu g/m^3$ which is not far from the 100 $\mu g/m^3$ target value. For this reason the engineer recommended to continue operating the SVE/SSD through the 2014/2015 winter heating season, in an effort to further reduce the sub slab vapor concentrations. The basis for this recommendation is further represented in the following graph.



- Severn Trent Environmental Services (STES) has continued long-term operations and maintenance of the system since 5/16/2011.
  - Continued monitoring has identified that sub slab depressurization system continues to maintain appropriate negative pressures. Monitoring is performed in accordance with STES prepared Standard Operating Procedures for this site. (Attachment A)
  - STES conducted site visits to verify that sub slab vacuums are sustained and the remedial system is properly balanced and maintained. These site visits are documented in the following table.
  - During times when the system was operational, AHL conducted random, monthly site visits on to verify system was running. In support of STES additional runtimes were logged on 9/5/14 and 12/12/14.

- Groundwater Sampling
  - A groundwater sampling event was conducted on 4/1/14.
  - In accordance with an NYSDEC approved protocol, only MW–1 was sampled.
  - MW–1 showed a slight decrease in concentration from the previous sampling event as can be seen in the graphic below.
  - Based on the letter dated February 26, 2015, "… Further groundwater sampling will not be required at this time. Groundwater sampling will be required prior to removal of the groundwater use restrictions."



	3/9/2009	4/3/2012	8/23/2013	4/1/2014
MW 1	30	12	18	14
MW-2	25	20	1.4	
MW-3	1	1	0	
MW 4	35	3	1.1	
MW 5	1	1	0.50	

- Draft Environmental Easement
  - Through telephone communications (10/16/13) NYSDEC informs engineer that the Environmental Easement has been completed and Site's classification could be downgraded. The site is still a Class 2 site, and the Department would like to revise the classification as soon as the following conditions are met.
    - Finalize Site Management Plan.
    - Finalize Final Engineering Report.
    - State costs have to be paid (refer to letter dated April 4, 2013 from NYSDEC to Mr. Hugo Raimo).
    - Certificate of Completion must be issued.

2. Work Performed This Reporting Period (STES)

- General operating information. **New tasks executed after the last reporting period are presented in bold.** (Please refer to Attachment C – to see copy of field notes).

Date	Vacuum Point Readings	Vacuum Gauge readings	PID Readings @ Carbon	Blower elapsed time Readings	Comments
12/12/14				**X**	• **AHL visits site to confirm system operational and log hours. 6495.2**
9/5/14				**X**	• **System restarted and documented by present property owner at 10:35 AM, identifying total hours reading 4145.9. AHL visit site later that day to verify that system continues to operate in "Focused Extraction Mode" as described below for (3/17/14).**
4/1/14					• **Ambient air, indoor air, subslab vapor and groundwater sampling takes place**
3/21/14					• **Remedial system shutdown prior to sampling event**
3/17/14	**X**	**X**	**X**	**X**	• **SVE/SSD system continues to operate in a "Focused Extraction Mode" concentrating on pulling vacuums from the identified "Hot Spots" of the North room. Essentially, the western portion of the North Room. In this mode of operation, valves 1 through 8 were closed on September 27th, 2014 when the system was re-started and remain closed through present day operation.** • **PID readings were collected:** o **in the Basement (while system is running) - 209 ppb *(note construction comments below)*** o **outside in the Parking lot reading 2 ppb.** • **The previously empty "North Room" had been divided into 2 separate rooms by the new owner:** o **The back portion of one of those rooms had extensive Plumbing work performed which including cutting through the concrete slab in several locations. *[Subsequent inspection by engineer showed that penetrations had been properly grouted and sealed with epoxy paint to maintain vapor tight integrity.]*** o **Two of the 5 Vapor Point valves were missing one Vapor Point was plugged (VP-5) while the other was sheared off at ground level and open (VP-3). The**

Date	Vacuum Point Readings	Vacuum Gauge readings	PID Readings @ Carbon	Blower elapsed time Readings	Comments
					Contractor onsite replaced the two missing valves. o **Ongoing construction work included newly lacquered doors, and a freshly painted floor. *[Note – this could affect TVOC readings taken this day.]*** o **The Asphalt Parking lot had a new trench cut through it to connect to the water service. The trench had been refilled and re-asphalted,** o **A surplus pile of soil from the excavation was noted outside the building. Utilizing the PID meter STES personnel had some minor TVOC hits at the pile (between 20 and 150 ppb). STES personnel collected PID readings in the "North Room" the readings varied between 300 ppb up to 1700 ppb.** o **The site Engineer was notified of the high PID readings through the System as well as the Construction work that had been performed.** o **The Pre-Carbon PID readings dropped to 2546 ppb approximately one hour after the Valve in VP-3 was replaced.** o **It was determined after the Engineer contacted the NYSDEC that the system would not be shut down as originally planned for ambient air and subslab vapor sampling. After letting the system equilibrate after the construction activities, STES would head back to the site on Friday the 21st to collect System PID readings again. It was hoped that the readings would be more representative of what the system trend had been and would allow us to plan on shutting the system down for ambient air and subslab vapor analyses** o **The Pile of dirt was be drummed and sampled in preparation for disposal at an approved facility.**
1/31/2014	**X**	**X**	**X**	**X**	• **SVE/SSD system continues to operate in a "Focused Extraction Mode" concentrating on pulling vacuums from the identified "Hot Spots" of the North room. Essentially, the western portion of the North room. In this mode of operation, valves 1 through 8 were closed on September 27th, 2014 when the system was re-started.** • **Outside PID readings 0 ppb, basement readings 2 ppb**
10/4/2013	**X**	**X**	**X**	**X**	• **SVE/SSD system continues to operate in a "Focused Extraction Mode" concentrating on pulling vacuums from the identified "Hot Spots" of the North room. Essentially, the western portion of the North room. In this mode of operation, valves 1 through 8 were closed on September 27th, 2014 when the system was re-started.**

Date	Vacuum Point Readings	Vacuum Gauge readings	PID Readings @ Carbon	Blower elapsed time Readings	Comments
9/27/2013	**X**	**X**	**X**	**X**	• **Prior to restarting the SVE/SSD System, it was agreed that the system would be modulated to focus on areas of highest residual vapor concentration. In order to determine this, a field evaluation of each of the individual vacuum headers was performed in order to identify which headers had airflow with the highest TVOC concentration.** • **The field study showed that extraction legs 9, 10, 11 and 12 showed an order of magnitude higher concentration of TVOCs during the field test. These legs serviced the westerly side of the North Room, the area where the dry cleaner equipment had been historically placed.** • **In order to isolate the vacuum to this region of the sub slab soil, valves connecting headers #1 through #8 were closed and valves connecting legs #9 through #12 were left open.**
6/28/2013	**X**	**X**	**X**	**X**	• **Outside PID readings 0 ppb basement readings 33 ppb**
4/8/2013	X	X	X	X	• Outside PID readings 0.0 – 11 ppb, basement 37 – 27 ppb. PID readings conducted twice due to increased level displayed. • Collected Carbon influent samples utilizing TO- 15 summa canisters. • Removed hose–barbs from two remaining sampling points within salon area and replace them with PVC plugs to avoid breakage. • Note first-quarter monitoring performed late due to break-in observed that the end of last month.
3/28/2013	Not conducted due to system being off upon arrival.	Not conducted due to system being off upon arrival.	Not conducted due to system being off upon arrival.	Not conducted due to system being off upon arrival.	• Upon arrival at site STES determines the basement door has been pried open & system turned off. • Equipment inspected and no apparent damage found. • Power supply and controls inspected with no apparent damage detected. • It appears that power switch was not tripped but manually turned to the off position. System was off for a total of 2.7 days. Fuse panel that supplies power to system inspected and no tripped switch is found as well. • New owner notified. New owner will have discussion with existing building occupants and will evaluate upgrading security if necessary. • NYSDEC case manager notified. • System restarted and allowed to rebalance before sub slab vapor samples taken.

Date	Vacuum Point Readings	Vacuum Gauge readings	PID Readings @ Carbon	Blower elapsed time Readings	Comments
12/28/12	X	X	X	X	• Basement light found to be burned out (location of SVE/SSD system). Replaced by STES. • Plugs installed in all vapor points other than those inside the salon. (Salon busy & full of clientele.)
9/28/12	X	X	X	X	• Header valve #6 was found opened. [AHL comment – The valves are typically not moved as they are set to a certain position to balance out the vacuums over the areas of concern. These valves are difficult to manipulate and would take a conscious effort to move.] • STES noted that before resetting the valves the vacuum reading was 12 inches of H2O. After resetting the valves to the correct position vacuum immediately returned to 20 inches of H2O. • VP-2 was again found open. • After discussions with AHL, STES instructed to replace all sampling valves and barbs with plugs. Plugs can be removed during monitoring efforts and will prevent valve manipulation or breakage.
8/24/12	X	X	X	X	• The parking lot on the side and in front of the building has been repaved with new asphalt. • Town is working on sidewalks and what appears to be some utility work in front of the building. • STES is assuming that these two activities have had an impact on the vacuum readings as well as PID readings. 401 ppb is still a very small number but it is significantly higher than previous readings. STES suspects that the high PID readings are from the new asphalt and that these readings will drop in future monitoring events.
7/12/12	X	X	X	X	• VP-1 and VP-3 barbs broken. Valve on VP-5 was again found open.
6/9/12	X	X	X	X	• Was not able to get reading from VP-6 due to damaged barb on sample port
5/3/12			X		• Site revisited to take PID readings due to failed meter on 5/1/12
5/1/12	X	X		X	• Rented PID meter failed have to calibration an attempted infield. Replacement PID being sent, return to site required to take readings. • VP– 5 valve was in the open position & hose Barb was damaged again. Damaged hose Barb was removed and upon inspection STES found a “core plywood” in the barb. It appears that a sheet of plywood was dropped on the monitoring point.

Date	Vacuum Point Readings	Vacuum Gauge readings	PID Readings @ Carbon	Blower elapsed time Readings	Comments
3/27/12	X	X	X	X	• Vapor samples collected from SVE/SSD System (Carbon Influent & Carbon System Discharge) • STES determines that are more sensitive PID is available that can read to ppb levels whereas existing unit needs to ppm level. Due to continued low concentration levels, was sensitive PID unit will be rented for next monthly monitoring event
2/29/12	X	X	X	X	System Operating Normally
1/25/2012	X	X	X	X	• Inspected MW-1, MW-2 and MW-3. • MW-2 did not have well, temporarily covered with duct tape. Repair to be done during next site visit • MW-4 and MW-5 not located due to high activity level of heavy equipment in area
12/28/11	X	X	X	X	• Small crack on discharge pipe of the primary carbon vessel. • Temporary repairs were made. • PID readings appear to indicate that soil vapor in the capture zone has reached non-detect levels.
11/23/11	X	X	X	X	System Operating Normally
10/31/11	X	X	X		System Operating Normally

3. Summary of Historical Data

This section will review and trend the historical data at the site. Three primary areas will be discussed:

a. Post Start-Up Sub Slab Vacuums.
b. Vacuum Gauge Settings & Miscellaneous System Information.
c. Elapsed Time And Runtime Calculations
d. Carbon Drum Readings

a. Post Start-Up Sub Slab Vacuums (please refer to Attachment B)

i) Description of Attachments:

- Page 1 of 4: represents a table that summarizes the field measured sub slab vacuums. All vacuum readings less than or equal to -0.024 are shaded green all vacuums >-0.025 are shaded in red. This shading allows us to monitor which vacuums are becoming marginal thus necessitating readjustment of system balancing.[1]
- Page 2 of 4: location plan for all the vapor points and well locations.
- Page 3 of 4: graphically shows sub slab vacuums over the period of operations.
- Page 4 of 4: similar to page 3 other than the graph is represented by lines versus bars.

ii) Observations

- All vapor points, in the focused area of extraction, continue to maintain a negative vacuum.

b. Vacuum Gauge Settings & Miscellaneous System Information (please refer to Attachment C)

i) Description of Attachments:

- Page 1 and 2 of 6: summarizes the vacuum gauge readings taken at each lateral off the header (page 1) as well as vacuum readings at the relative vapor points located near that particular lateral (page 2).
- Page 3 of 6: location plan for all the vapor points and well locations.
- Page 4 of 6: graphically presents vacuum readings at the header laterals. This graphic was prepared in order to determine how the site was balancing at the vapor points and what affect the vacuum at the lateral had on the final vacuum at the vapor points.
- Page 5 of 6 graphically represents vacuums at designated vapor points over time.
- Page 6 of 6: graphically represents the vacuum in the Knockout Pot (in. Hg) as well as the average vacuum in the distribution header located at the vacuum pump (in. H_2O) and average vacuum at all vapor points (in. H_2O). Note the high vacuum readings 9/27/13 when the system was restarted. Vacuum levels recovered quickly as the system equalized subslab pressures.

[1] It should be noted that the SVE/SSD extraction system was focused on the North Room's westerly side, suspected hotspot location as of 9/27/13. This rebalancing of the SVE/SSD system showed much lower vacuums as a result in the vacuum system servicing the North Room's, easterly side and the salon areas. This phenomenon is represented on all the graphics discussed in this paragraph.

c. Elapsed Time and Runtime Calculations. (Please refer to Attachment D)

Description of Attachments:

This table summarizes the run time meter readings after 5/24/11, the date and time STES installed the hour meter on the system.

- On 8/12/13, the day the system was scheduled to be shut down for ambient, indoor and subslab vapor sampling, the system was found operating but the hour meter had failed. A new hour meter was installed for system restart on 9/27/13.
- The system was again shut down for ambient air and subslab sampling on 3/17/2014. The system was restarted on 9/5/2014.

d. Carbon Drum Readings (please refer to Attachment E)

i) Description of Attachments:

This table and graph summarize field PID readings taken:

- Before the air phase carbon treatment vessels = Pre Carbon.
- Between the primary air phase carbon vessel and the secondary air phase carbon vessel = Mid Carbon.
- After the final air phase carbon treatment system or exhaust = Post Carbon.
- In addition the blower discharge velocity measurements taken at the air phase carbon treatment vessels is represented by the "purple" line graph.

Site monitoring includes taking PID measurements of the exhaust to ensure that the drums will be changed out an ample time should break through occur.

The second table and graph represent laboratory based results for the air discharge from the SVE/SSD to the carbon drums (before treatment)

ii) Observations

- Field PID (TVOC) readings:
  - Note – TVOC, PID readings beginning 5/3/12 were taking with field meter capable of measuring ppb levels.
  - "Pre-Carbon" readings on 8/24/2012 and 9/28/2012 were elevated, but did not exceed the SubSlab guideline of 100 µg/m^3 (Soil Vapor/Indoor air Matrix 2, October 2006. Please refer to Attachment 1). Although these readings were elevated, STES believes that it was due to new asphalt paving surrounding approximately 50% of the building perimeter.
- Laboratory Summa Canister results (PERC only)
  - TO-15 summa canisters samples showed two pre-carbon readings for Tetrachloroethene at 56 and 60 ug/m^3 respectively. Both samples were below the 100 ug/m^3 SubSlab guideline.

4. Problems Encountered & Proposed Resolutions

- No major system operational problems were encountered with the SVE/SSD system.
- Site problems regarding renovation and new construction by new owner needed to be addressed given Site's classification:
  - 3/17/2014 – STES advises engineer that renovation/plumbing work performed my new owner at the sight, has penetrated interior floor slab in the North room and includes excavation of water supply trench in the existing parking lot. Engineer visits the Site, instructs owner to consolidate excavated material (minimal amounts,

approximately 2 – 55 gallon drums) and dispose of in an approved manner. Engineer informs responsible party of action at the site and required response. [Ultimately this material disposed of with additional surplus material generated at the Site. See below.]

- 4/21/2014 through 5/12/2014 – engineer observes dry well excavation at site. New owner installing required storm water dry wells in pavement area to the north and east of the building. Upgrade required by building permit for facility upgrade being performed by new owner.
  - Engineer advises responsible party and NYSDEC of site activities.
  - Responsible party advises new owner of site restrictions and instructs new owner to stop excavation.
  - Engineer coordinates surplus material staging, and proper disposal to prove facility with NYSDEC, new owner and responsible party.
  - As part of excavation process, new owner removes existing, unused, underground storage tank (identified in Phase 1 report) in accordance with all regulatory requirements, including final documentation.
  - Some surplus soil is placed in remove tank grave, remaining surplus material removed by Jamaica Ash, an approved disposal facility.
- 8/22/14 - engineer visits site to restart system. As part of the renovations the electrical supply to the new owner's facility was modified. The three-phase power to the SVE/SSD system was incorrectly connected thus causing the blower to rotate backwards. Because of this, the system was not started on this day. Ultimately the electrician repaired the problem and the system was restarted on 9/5/14.

5. Expected Work During the Next Progress Period
   - March 2015 – anticipate performing SVE/SSD inspection site visit.
   - Based on continued low sub slab vapor concentrations we intend to recommend to NYSDEC to shut down the remedial system towards the end of the heating season (end of March). Once approved by NYSDEC this will trigger indoor air monitoring events as outlined in the Site Management Plan.

ATTACHMENT 1

Soil Vapor/Indoor Air Matrix 2
October 2006

Soil Vapor / Indoor Air Matrix 2

October 2006

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

No further action:
Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:
The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:
Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:
Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

ATTACHMENT A

STES
Standard Operating Procedures
for
NYSDEC Site Number 1-03-169
Former Chez Valet Dry Cleaners
1-3 Manorhaven Boulevard
Port Washington, NY 11050

STES

Standard Operating Procedures
for
NYSDEC Site Number 1-03-169
Former Chez Valet Dry Cleaners
1-3 Manorhaven Boulevard
Port Washington, NY 11050

Required Equipment

1. Photoionization Detector (PID) – with Calibration Kit
2. Three Tedlar Bags
3. Anemometer – to measure Carbon System Discharge Flow Rate
4. Dywer Digitial Monometer - 0.0000 to -4.0000 inches Water range
5. Chez Valet SSDS/SVE System Monitoring Sheet

Procedure - Monthly Site Visit

1. Notify engineer prior to scheduling Site visit
2. Notify Evergreen Salon at least 48 hours before site visit
3. Upon arrival locate the Onsite Logbook (located on girder above primary Vapor Phase Carbon Vessel).
4. Log in the date, time, Weather and operator initials – note any other individuals onsite
5. Calibrate PID
6. Collect readings from; Influent to Primary Carbon Vessel, Influent to Secondary Carbon Vessel, and Carbon System Effluent.
7. Log the readings in Logbook and LogSheet
8. Collect blower elapsed time readings – log in both logbook and logsheet – note elapsed time reading AND time of Day reading taken.
9. Collect Vacuum Gauge readings from Header and Knock-Out Pot.
10. Collect background PID Readings from Basement and Parking Lot outside basement entrance
11. Collect Vacuum readings from Vacuum points.
12. Review data.
    a. Contact Engineer if there are anomalies, or if any part of the system is damaged or requires repair
13. In the event that any SSD/SVE system adjustments are made, recollect Vacuum Point and Vacuum Gauge readings
14. Transfer all Readings and Notes to Chez Valet SSDS/SVE sheet
15. Sign out and put Onsite logbook back in its place
16. Tell Evergreen that STES is leaving Site
17. Take Equipment (PID, Velocity Meter and Monometer) and leave site.
18. Upon arrival at office enter data into electronic spreadsheet and electronically transmit data/report to Engineer.

Chez Valet - SSDS/SVE System

Quarterly Site Visit Sheet

Date-Time 4/8/13 0800-1200 Operator Ross Hibler

Weather Warm 60's partly cloudy

Vacuum Point readings					
			after adjustments		
	time	Inches WC		time	Inches WC
VP-1	10:28	-0.115	VP-1		
VP-2	10:24	-0.069	VP-2		
VP-3	10:38	-0.070	VP-3		
VP-4	10:15	-0.039	VP-4		
VP-5	10:35	-0.026	VP-5		
VP-6	10:32	-0.030	VP-6		
VP-7	10:14	-0.011	VP-7		

Vacuum Guage Readings					
			After adjustments		
	time	Inches WC		time	In Water
Valve -1	9:44	-0.356	Valve -1		
Valve -2	9:45	-0.512	Valve -2		
Valve -3	9:46	-0.134	Valve -3		
Valve -4	9:47	-0.064	Valve -4		
Valve -5	9:50	-30	Valve -5		
Valve -6	9:51	-20	Valve -6		
Valve -7	9:51	-28	Valve -7		
Valve-8	9:51	-28	Valve-8		
Valve -9	9:53	-2.43	Valve -9		
Valve 10	9:55	-4.371	Valve 10		
Valve 11	9:56	-0.821	Valve 11		
Valve 12	9:57	-0.549	Valve 12		
K.O.P	9:57	-3 in Hg	K.O.P		

Blower elapsed time reading	16265.7 @11:32
Blower Discharge velocity	7159 ft/Min 155 CFM

PID Readings					
	ppb		ppb		ppb
Pre-Carbon	140-249	Mid-Carbon	149-200	Post-Carbon	143-149

Comments-Notes - outside PID reading 0.0 -11 ppb Basement 37 -27 ppb - Collected PID readings twice due to the increased level displayed, the PID had multiple problems when I attempted to recalibrate meter. Collected Carbon Influent Samples Sampling for TO-15 via Summa canister. Checked the Regenerative Blower Demister and Filter all appears clear. Removed the barbs from the the two remaining Vapor Points inside the salon, and replaced them with PVC plugs. The Monitoring was performed late due to the discovery of the system being off the end of the last month, we allowed the systesm to re-equalibriate before we took readings or sampled. Called the engineer after I saw the elevated PID readings, we did smell somthing sweet in the basement used the PID as a "sniffer" to check the basement area to see if there was an identifiable leak in the discharge piping or through the foundation, none were discovered.

Chez Valet - SSDS/SVE System

Monthly Site Visit Sheet

Date-Time 6/28/13 07:15 - 11:30 Operator Ross Hibler

Weather Hazy Hot and Humid

Vacuum Point readings					
			after adjustments		
	time	Inches WC		time	Inches WC
VP-1	10:14	-0.123	VP-1		
VP-2	10:21	-0.095	VP-2		
VP-3	10:24	-0.07	VP-3		
VP-4	10:32	-0.034	VP-4		
VP-5	10:27	-0.032	VP-5		
VP-6	10:15	-0.031	VP-6		
VP-7	10:30	-0.017	VP-7		

Vacuum Guage Readings					
			After adjustments		
	time	Inches WC		time	In Water
Valve -1	9:39	-0.373	Valve -1		
Valve -2	9:42	-0.52	Valve -2		
Valve -3	9:42	-0.153	Valve -3		
Valve -4	9:43	-0.301	Valve -4		
Valve -5	9:31	-30	Valve -5		
Valve -6	9:31	-20	Valve -6		
Valve -7	9:31	-28	Valve -7		
Valve-8	9:31	-28	Valve-8		
Valve -9	9:44	-2.563	Valve -9		
Valve 10	9:45	-4.472	Valve 10		
Valve 11	9:46	-0.88	Valve 11		
Valve 12	9:47	-0.584	Valve 12		
K.O.P	9:31	2.5 in Hg	K.O.P		

Blower elapsed time reading	8202.5 Hours @ 9:30
Blower Discharge velocity	133.87 CFM 7527 ft/min 2 inch Pipe

PID Readings					
	ppb		ppb		ppb
Pre-Carbon	144	Mid-Carbon	140	Post-Carbon	137

Comments-Notes: Arrived onsite at 7:30am found access hatch locks had been changed, contacted engineer who came down to check his keys - left site around 8 AM to head back to Office in Glen Cove. Received call at 8:30AM that keys were on the way to the site, and I headed back, Onsite approximately 9 AM. Outdoor PID reading 0.0 ppb basement reading 33 ppb. After readings were collected and logged, I made and gave a copy of the keys ot the engineer.

Chez Valet - SSDS/SVE System

Quarterly Site Visit Sheet

Date-Time 9/27/2013 Operator Ross Hibler

Weather

Vacuum Point readings					
			after adjustments		
	time	Inches WC		time	Inches WC
VP-1		-0.839	VP-1		
VP-2		-1.38	VP-2		
VP-3		-5.666	VP-3		
VP-4		-0.238	VP-4		
VP-5		-0.012	VP-5		
VP-6		-0.015	VP-6		
VP-7		-0.002	VP-7		

Vacuum Guage Readings					
			After adjustments		
	time	Inches WC		time	In Water
Valve -1		-0.003	Valve -1		
Valve -2		-0.005	Valve -2		
Valve -3		-0.006	Valve -3		
Valve -4		-0.008	Valve -4		
Valve -5		-0.013	Valve -5		
Valve -6		-0.009	Valve -6		
Valve -7		-0.01	Valve -7		
Valve-8		-0.003	Valve-8		
Valve -9		-7.632	Valve -9		
Valve 10		-7.22	Valve 10		
Valve 11		-7.378	Valve 11		
Valve 12		-7.624	Valve 12		
K.O.P		-2.4 in Hg	K.O.P		

Blower elapsed time reading	1.4 @11:14
Blower Discharge velocity	8530 ft/Min 189 CFM

PID Readings @10:30 AM					
	ppb		ppb		ppb
Pre-Carbon	8200 - 15250	Mid-Carbon		Post-Carbon	3805-4600

Notes: Prior to system Start-up New Elapsed Time Meter installed, PID readings collected from various sample location inside the Building (see attached Drawing), After starting up system PID readings colected from each of the 12 legs of the collection system, (see attached Spreadsheet). After reviewing the readings, it was decided to close legs 1 through 8 and concentrate the vacuum in legs 9 through 12 as these were those that exibited the highest PID readings. After allowing the system to equilibriate for approximatly an hour - regular System readings were collected.

9/27/13

Chez Valet
SSD/SVE Re-Start Sampling

	At finished floor level		Vapor point sample			Vacuum IN of	
Location	Min ppb	Max ppb	Spike ppb	Min ppb	Max ppb	H20	
VP-1	20	117	620	68	360	-0.0839	
VP-2	6	90	1180	400	500	-1.3800	area most affected
VP-3		34		170	333	-5.6000	
VP-4	200	460		300	460	-0.2380	
VP-5	0	132		0	132	-0.0120	
VP-6	50	214		50	214	-0.0150	
VP-7	44	44		250	330	-0.0020	

Note – background meter readings very unstable. Any movement of meter could cause it to jump 0 – 300 ppb. (Should this be considered background noise?)

Indoor air samples– Approximately 4 feet above finish for level			10 feet above finish floor slab		
Between columns – East to West	Min ppb	Max ppb	Min ppb	Max ppb	
CL-1	34	44			Note- These Samples were taken without ventilation of room, i.e. stagnant air
CL-2	34	57			
CL-3	34	34			
Cl-4	30	54	55	130	
CL-5	34	85			
Near VP – 2	10	40			

Extraction Leg	Min ppb	Max ppb	Area	
1	200	300	North Room East	Samples taken by isolating one leg at a time and operating it for approximately 30 seconds noting lowest and highest concentrations. Short duration was used to minimize area of influence and identify which legs had the highest remaining concentration of volatile organics.
2	100	100		
3		800		
4	115	250		
5	78	226	Hair Salon	
6	51	160		
7	23	98		
8	125	292	Dye Area	
9	120	4,300	North Room West	
10	1,000	7,200		
11	1,000	5,800		
12	1,000	7,500		

Carbon Drum	Startup	10:30 AM
In	8,200	15,250
Out	3,805	4,600

Chez Valet - SSDS/SVE System

Monthly Site Visit Sheet

Date-Time 10/4/2013 7:30 to 12:30 Operator Ross Hibler

Weather Warm 70's

Vacuum Point readings						
				after adjustments		
	time	Inches WC			time	Inches WC
VP-1		-4.243		VP-1		
VP-2		-2.764		VP-2		
VP-3		-2.534		VP-3		
VP-4		-0.612		VP-4		
VP-5		0		VP-5		
VP-6		0		VP-6		
VP-7		-0.009		VP-7		
Vacuum Guage Readings						
				After adjustments		
	time	Inches WC			time	In Water
Valve -1		0		Valve -1		
Valve -2		0		Valve -2		
Valve -3		0		Valve -3		
Valve -4		0		Valve -4		
Valve -5		0		Valve -5		
Valve -6		0		Valve -6		
Valve -7		0		Valve -7		
Valve-8		0		Valve-8		
Valve -9		-10		Valve -9		
Valve 10		-5		Valve 10		
Valve 11		-8		Valve 11		
Valve 12		-5		Valve 12		
K.O.P		-6	Hg"	K.O.P		

Blower elapsed time reading	167.4 Hours at 9:46 AM
Blower Discharge velocity	7020-7390 FPM or 154 - 162 CFM

PID Readings					
	ppb		ppb		ppb
Pre-Carbon	122	Mid-Carbon	37	Post-Carbon	17

Engineer and I collected several PID readings - detailed on attached figure. Valves 1 through 8 were closed on September 27th when the system was re-started.

SMALL OUTSIDE AREA STRUCTURES TO BE REMOVED (FUTURE)

INDOOR AIR 150 ppb

AMBIENT AIR 9 - 22 PPB

- 2.534 IN H20 VAC

BASEMENT AIR 17 - 29 ppb

- 2.764 IN H20 VAC

INDOOR AIR 150-172 ppb

INDOOR AIR 120-150 ppb

0 IN H20 VAC

0 IN H20 VAC

0.009 IN H20 VAC

- 4.243 IN H20 VAC

INDOOR AIR 3019 TO 3670 ppb

- 0.612 IN H20 VAC

OPENING IN COMMON WALL (SOURCE OF VOC READINGS NORTH ROOM? 197 - 214 ppb

INTERIOR WALLS REMOVED

CARBON VESSELS
122 ppb - IN
37 ppb - MID
17 ppb - OUT
154 - 162 CFM
7020 - 7390 FPM
106 DEG F
2" PVC

EXISTING BASEMENT AREA

VP 1
VP 2
VP 3
VP 4
VP 5
VP 6
VP 7

A
B
C
D

WELL

75ft. 0in.
22ft. 6in.
9ft. 6in.
43ft. 0in.
8ft. 5in.
33ft. 0in.
2ft. 6in.
2ft. 2in.
18ft. 0in.
1ft. 9in.
3ft. 4in.
55ft. 8in.
15ft. 0in.
1ft. 9in.
21ft. 0in.
2ft. 0in.

N

EVERGREEN 3 MANORHAVEN BLVD.		SIZE	FSCM NO	DWG NO EXISTING VAPOR POINT LOCATIONS	REV
DRAWN	ANDRIS LEDINS				
ISSUED	2/8/11	SCALE	SCHEMATIC	SHEET	1A OF 6

Chez Valet - SSDS/SVE System

Monthly Site Visit Sheet

Date-Time 1/31/2014 Operator Ross Hibler

Weather Overcast and Cold - 10's to 20's

Vacuum Point readings						
				after adjustments		
	time	Inches WC			time	Inches WC
VP-1	8:19	-0.361		VP-1		
VP-2	8:13	-0.164		VP-2		
VP-3	8:33	-0.312		VP-3		
VP-4	8:52	-0.061		VP-4		
VP-5	8:29	0		VP-5		
VP-6	8:26	0		VP-6		
VP-7	8:45	0		VP-7		
Vacuum Guage Readings						
				After adjustments		
	time	Inches WC			time	In Water
Valve -1		0		Valve -1		
Valve -2		0		Valve -2		
Valve -3		0		Valve -3		
Valve -4		0		Valve -4		
Valve -5		0		Valve -5		
Valve -6		0		Valve -6		
Valve -7		0		Valve -7		
Valve-8		0		Valve-8		
Valve -9	7:45	-10		Valve -9		
Valve 10	7:45	-5		Valve 10		
Valve 11	7:45	-7		Valve 11		
Valve 12	7:45	-5		Valve 12		
K.O.P	7:45	-3	Hg"	K.O.P		

Blower elapsed time reading	2968.8 Hours at 8:00 am
Blower Discharge velocity	7377 FPM or 162 CFM

PID Readings					
	ppb		ppb		ppb
Pre-Carbon	13	Mid-Carbon	12	Post-Carbon	6

Valves 1 through 8 were closed on September 27th when the system was re-started. PID readings were collected in the Basement (while system is running) - 2 ppb and outside in the Parking lot reading 0 ppb.

Chez Valet - SSDS/SVE System

Monthly Site Visit Sheet

Date-Time	3/17/2014 8:00 to 12:45	Operator	Ross Hibler

Weather Overcast and Cold - upper 20's

Vacuum Point readings						
				after adjustments		
	time	Inches WC			time	Inches WC
VP-1	12:00	-0.196		VP-1		
VP-2	11:58	-0.562		VP-2		
VP-3	11:54	-2.01		VP-3		
VP-4	12:11	-0.102		VP-4		
VP-5	12:03	0		VP-5		
VP-6	12:05	0		VP-6		
VP-7	12:08	0		VP-7		

Vacuum Guage Readings						
				After adjustments		
	time	Inches WC			time	In Water
Valve -1		0		Valve -1		
Valve -2		0		Valve -2		
Valve -3		0		Valve -3		
Valve -4		0		Valve -4		
Valve -5		0		Valve -5		
Valve -6		0		Valve -6		
Valve -7		0		Valve -7		
Valve-8		0		Valve-8		
Valve -9	9:10	-10		Valve -9		
Valve 10	9:10	-4		Valve 10		
Valve 11	9:11	-5.5		Valve 11		
Valve 12	9:11	-4		Valve 12		
K.O.P	9:11	-7	Hg"	K.O.P		

Blower elapsed time reading	4046.1 Hours @ 9:10 AM
Blower Discharge velocity	7200 fps or 157 CFM

PID Readings					
	ppb		ppb		ppb
Pre-Carbon	3323	Mid-Carbon	1530	Post-Carbon	994

Valves 1 through 8 were closed on September 27th when the system was re-started. PID readings were collected in the Basement (while system is running) - 209 ppb and outside in the Parking lot reading 2 ppb. The previously empty "North Room" has been divided into 2 seperate rooms - the back portion of one of those rooms have had extensive Plumbing work performed which including cutting through the concrete slab in several locations, two of the 5 Vapor point valves were missing one Vapor point was plugged (VP-5) while the other was sheared off at ground level and open (VP-3). Construction work was still continuing at the site, in the Previously empty north room, doors had just been laquered, and near VP 3 was a pipe threading machine that was actively being used. The floor in the "new room" had recently been painted. The Contractor onsite replaced the two missing valves. It was also observed that the Asphalt Parking lot had a new trench cut through it to connect to the water service, the trench had been re-asphalted, It was also observed that there was a pile of dirt

outside the building which had previously not been there, utilizing the PID meter I had some minor hits at the pile (between 20 and 150 ppb). I collected PID readings in the "North Room" the reaadings varied between 300 ppb up to 1700 ppb. The site Engineer was notified of to high PID readings through the System as well as the Construction work that had been performed. The Pre-Carbon PID readings dropped to 2546 ppb approximately one hour after the Valve in VP-3 was replaced. It was determined after the Engineer contacted the NYSDEC that the system would not be shut down as originally planned - we would head back to the site on Friday the 21st to collect System PID readings again and plan on shutting the system down based on those readings, then follow up in 10 days (April 1) to collect GW and Vapor samples. The Pile of dirt will be drummed and sampled in preparation for disposal at a proper facility.

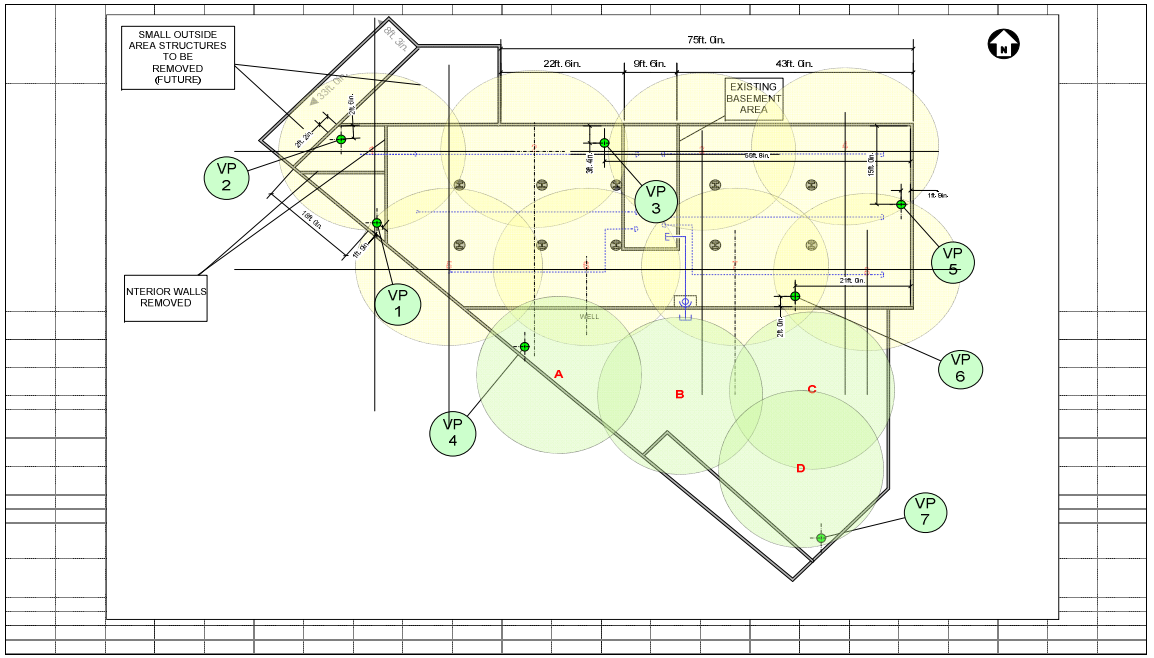
ATTACHMENT B

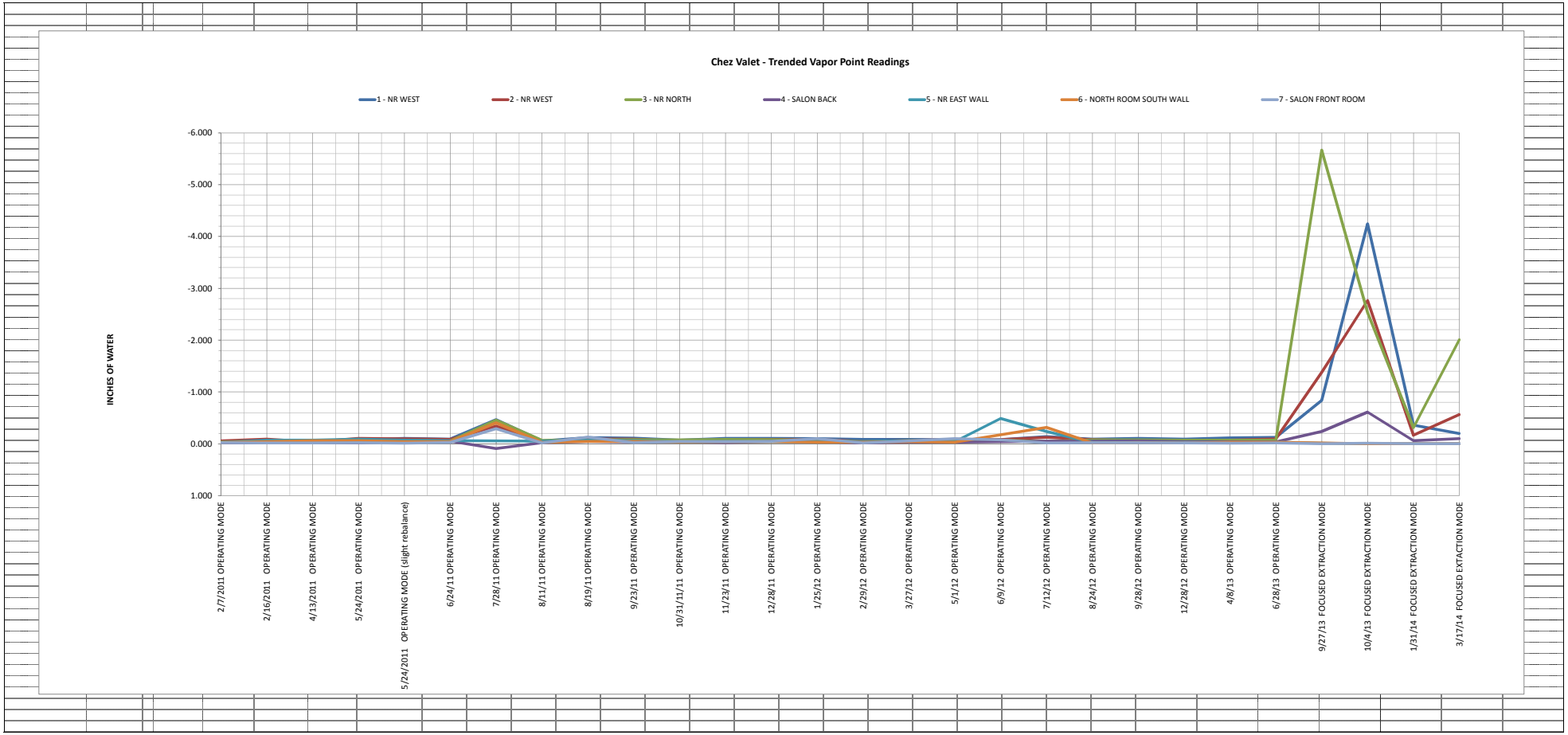
POST START UP VACUUM RESULTS
Chez Valet

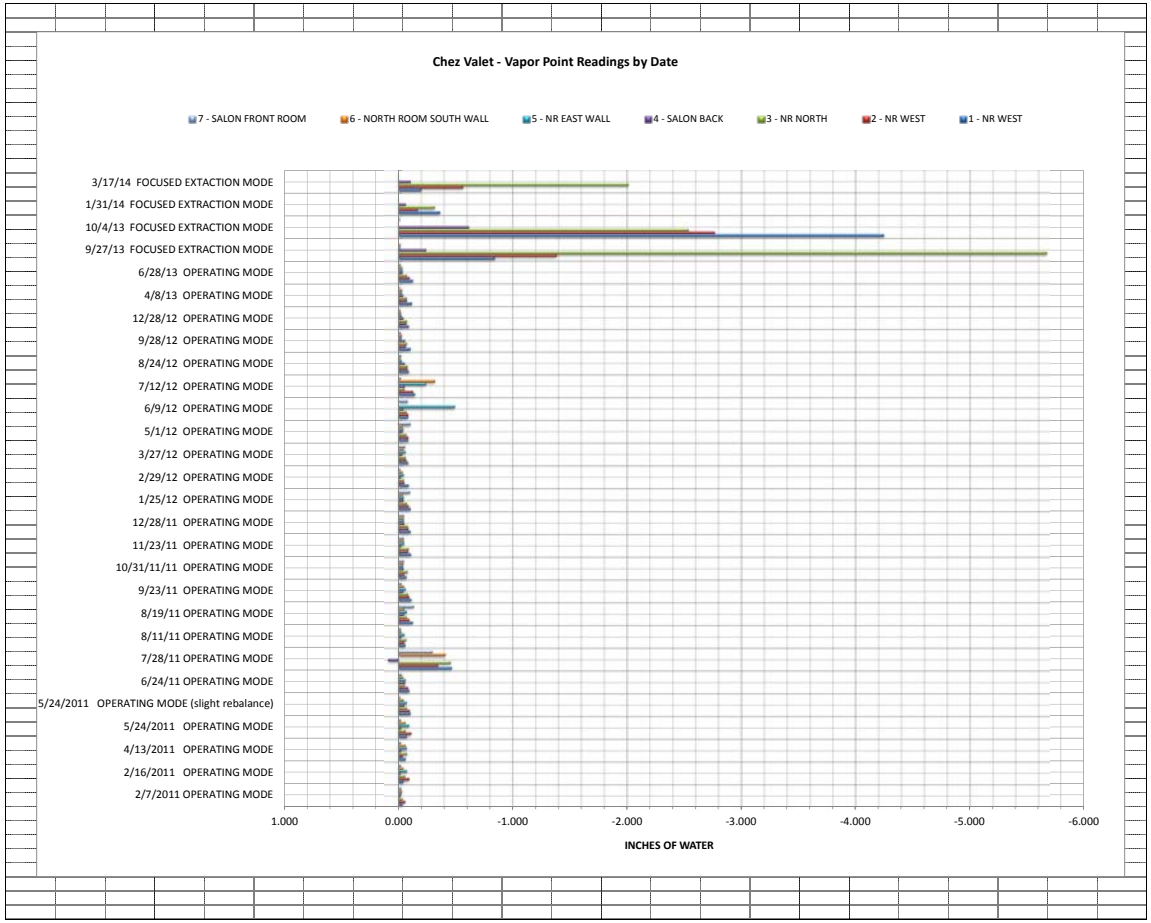
Vapor Point Designation	Location	2/7/2011 OPERATING MODE	2/16/2011 OPERATING MODE	4/13/2011 OPERATING MODE	5/24/2011 OPERATING MODE	5/24/2011 OPERATING MODE (slight rebalance)	6/24/11 OPERATING MODE	7/28/11 OPERATING MODE	8/11/11 OPERATING MODE	8/19/11 OPERATING MODE	9/23/11 OPERATING MODE	10/31/11/11 OPERATING MODE	11/23/11 OPERATING MODE	12/28/11 OPERATING MODE	1/25/12 OPERATING MODE	2/29/12 OPERATING MODE	3/27/12 OPERATING MODE	5/1/12 OPERATING MODE	6/9/12 OPERATING MODE	7/12/12 OPERATING MODE	8/24/12 OPERATING MODE	9/28/12 OPERATING MODE	12/28/12 OPERATING MODE	4/8/13 OPERATING MODE	6/28/13 OPERATING MODE	9/27/13 FOCUSED EXTRACTION MODE	10/4/13 FOCUSED EXTRACTION MODE	1/31/14 FOCUSED EXTRACTION MODE	3/17/14 FOCUSED EXTACTION MODE
		C (vert well) closed all other Salon wells open wide. North room all valves open very small amount.	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	ALL WELLS ONLINE	**Focused Extraction**	**Focused Extraction**	**Focused Extraction**	**Focused Extraction**
1 - NR WEST	NORTH ROOM	-0.033	-0.040	-0.060	-0.073	-0.104	-0.091	-0.463	-0.058	-0.121	-0.110	-0.068	-0.106	-0.104	-0.102	-0.085	-0.083	-0.082	-0.081	-0.141	-0.088	-0.104	-0.089	-0.115	-0.123	-0.839	-4.243	-0.361	-0.196
2 - NR WEST	NORTH ROOM	-0.057	-0.091	-0.035	-0.107	-0.095	-0.083	-0.343	-0.046	-0.093	-0.092	-0.048	-0.082	-0.084	-0.086	-0.048	-0.066	-0.083	-0.082	-0.124	-0.078	-0.062	-0.066	-0.069	-0.095	-1.380	-2.764	-0.164	-0.562
3 - NR NORTH	NORTH ROOM	-0.035	-0.056	-0.071	-0.058	-0.071	-0.051	-0.453	-0.065	-0.073	-0.079	-0.077	-0.087	-0.078	-0.070	-0.043	-0.061	-0.066	-0.068	-0.047	-0.074	-0.073	-0.072	-0.070	-0.070	-5.666	-2.534	-0.312	-2.010
4 - SALON BACK	S - BACK	-0.014	-0.015	-0.021	-0.018	-0.048	-0.053	0.090	-0.021	-0.046	-0.037	-0.041	-0.020	-0.048	-0.040	-0.017	-0.031	-0.032	-0.040	-0.051	-0.051	-0.056	-0.041	-0.039	-0.034	-0.238	-0.612	-0.061	-0.102
5 - NR EAST WALL	NORTH ROOM	-0.025	-0.071	-0.070	-0.090	-0.070	-0.062		-0.049	-0.069	-0.061	-0.038	-0.046	-0.042	-0.042	-0.044	-0.059	-0.041	-0.490	-0.236	-0.027	-0.024	-0.024	-0.026	-0.032	-0.012	0.000	0.000	0.000
6 - NORTH ROOM SOUTH WALL	NORTH ROOM	-0.027	-0.040	-0.060	-0.059	-0.042	-0.039	-0.407	-0.025	-0.047	-0.046	-0.038	-0.043	-0.043	-0.033	-0.033	-0.040	-0.032		-0.316	-0.016	-0.028	-0.018	-0.030	-0.031	-0.015	0.000	0.000	0.000
7 - SALON FRONT ROOM	S -FRONT	-0.022	-0.018	-0.018	-0.020	-0.013	-0.026	-0.292	-0.018	-0.130	-0.023	-0.044	-0.042	-0.044	-0.098	-0.014	-0.054	-0.101	-0.077	-0.018	-0.021	-0.020	-0.016	-0.011	-0.017	-0.002	-0.009	0.000	0.000

-0.025	LESS THAN OR EQUAL TO -0.024
-0.023	GREATER THAN -0.025

NR =	NORTH ROOM
S =	SALON


SMALL OUTSIDE AREA STRUCTURES TO BE REMOVED (FUTURE)
NTERIOR WALLS REMOVED
75ft. 0in.
22ft. 6in.
9ft. 6in.
43ft. 0in.
EXISTING BASEMENT AREA
VP 1
VP 2
VP 3
VP 4
VP 5
VP 6
VP 7
A
B
C
D
WELL


Chez Valet - Trended Vapor Point Readings
1 - NR WEST
2 - NR WEST
3 - NR NORTH
4 - SALON BACK
5 - NR EAST WALL
6 - NORTH ROOM SOUTH WALL
7 - SALON FRONT ROOM
INCHES OF WATER
-6.000
-5.000
-4.000
-3.000
-2.000
-1.000
0.000
1.000
2/7/2011 OPERATING MODE
2/16/2011 OPERATING MODE
4/13/2011 OPERATING MODE
5/24/2011 OPERATING MODE
5/24/2011 OPERATING MODE (slight rebalance)
6/24/11 OPERATING MODE
7/28/11 OPERATING MODE
8/11/11 OPERATING MODE
8/19/11 OPERATING MODE
9/23/11 OPERATING MODE
10/31/11/11 OPERATING MODE
11/23/11 OPERATING MODE
12/28/11 OPERATING MODE
1/25/12 OPERATING MODE
2/29/12 OPERATING MODE
3/27/12 OPERATING MODE
5/1/12 OPERATING MODE
6/9/12 OPERATING MODE
7/12/12 OPERATING MODE
8/24/12 OPERATING MODE
9/28/12 OPERATING MODE
12/28/12 OPERATING MODE
4/8/13 OPERATING MODE
6/28/13 OPERATING MODE
9/27/13 FOCUSED EXTRACTION MODE
10/4/13 FOCUSED EXTRACTION MODE
1/31/14 FOCUSED EXTRACTION MODE
3/17/14 FOCUSED EXTACTION MODE


Chez Valet - Vapor Point Readings by Date
7 - SALON FRONT ROOM
6 - NORTH ROOM SOUTH WALL
5 - NR EAST WALL
4 - SALON BACK
3 - NR NORTH
2 - NR WEST
1 - NR WEST
3/17/14 FOCUSED EXTACTION MODE
1/31/14 FOCUSED EXTRACTION MODE
10/4/13 FOCUSED EXTRACTION MODE
9/27/13 FOCUSED EXTRACTION MODE
6/28/13 OPERATING MODE
4/8/13 OPERATING MODE
12/28/12 OPERATING MODE
9/28/12 OPERATING MODE
8/24/12 OPERATING MODE
7/12/12 OPERATING MODE
6/9/12 OPERATING MODE
5/1/12 OPERATING MODE
3/27/12 OPERATING MODE
2/29/12 OPERATING MODE
1/25/12 OPERATING MODE
12/28/11 OPERATING MODE
11/23/11 OPERATING MODE
10/31/11/11 OPERATING MODE
9/23/11 OPERATING MODE
8/19/11 OPERATING MODE
8/11/11 OPERATING MODE
7/28/11 OPERATING MODE
6/24/11 OPERATING MODE
5/24/2011 OPERATING MODE (slight rebalance)
5/24/2011 OPERATING MODE
4/13/2011 OPERATING MODE
2/16/2011 OPERATING MODE
2/7/2011 OPERATING MODE
1.000
0.000
-1.000
-2.000
-3.000
-4.000
-5.000
-6.000
INCHES OF WATER

ATTACHMENT C

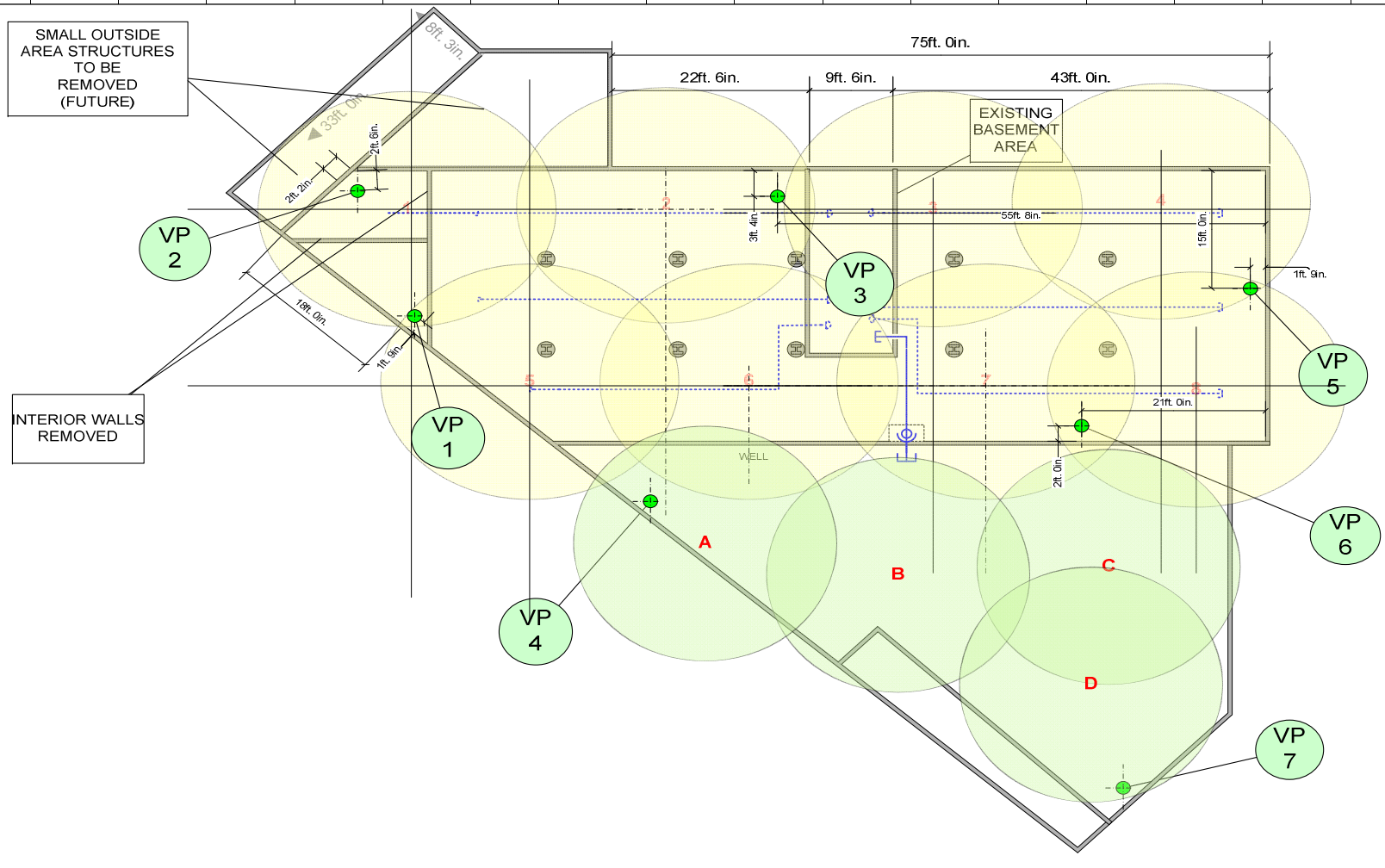
VACUUM GAUGE SETTINGS
&
MISCELLANEOUS SYSTEM INFORMATION
Chez Valet

Comparison of Vacuums Measured at Distribution Header Versus Relative Vapor Point Measurements.

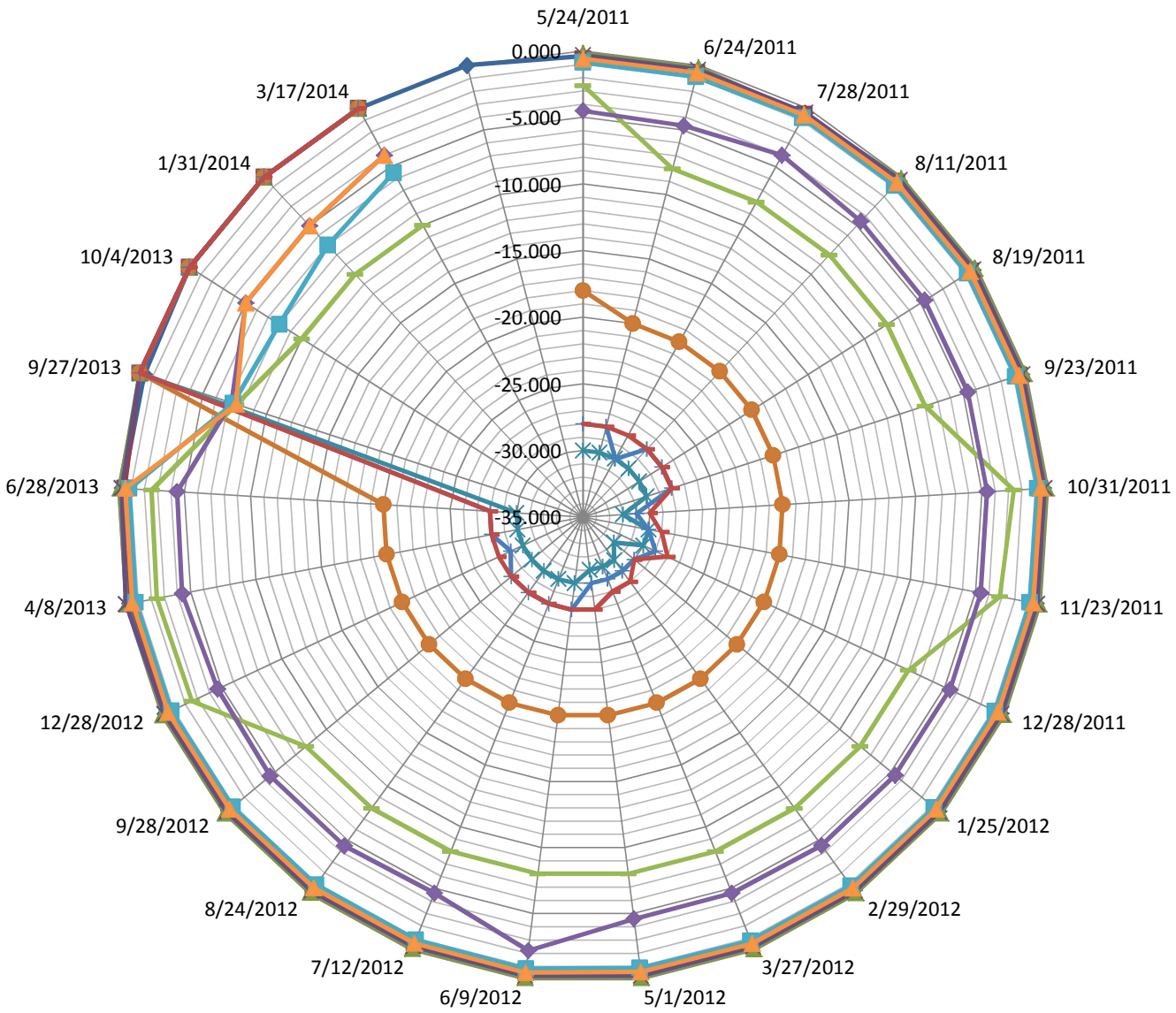
	DATE		5/24/2011	6/24/2011	7/28/2011	8/11/2011	8/19/2011	9/23/2011	10/31/2011	11/23/2011	12/28/2011	1/25/2012	2/29/2012	3/27/2012	5/1/2012	6/9/2012	7/12/2012	8/24/2012	9/28/2012	12/28/2012	4/8/2013	6/28/2013	9/27/2013	10/4/2013	1/31/2014	3/17/2014
Valve Number	Location	Vacuum reading at distribution header specific to lateral being controlled.																								
1	North Room NE	-0.395	-0.430	-0.410	-0.407	-0.371	-0.399	-0.395	-0.394	-0.366	-0.355	-0.372	-0.363	-0.371	-0.310	-0.373	-0.416	-0.463	-0.311	-0.340	-0.356	-0.373	-0.003	0.000	0.000	0.000
2	North Room NE	-0.557	-0.600	-0.550	-0.511	-0.533	-0.542	-0.557	-0.626	-0.609	-0.571	-0.653	-0.635	-0.615	-0.579	-0.582	-0.567	-0.535	-0.525	-0.532	-0.512	-0.520	-0.005	0.000	0.000	0.000
3	North Room SE	-0.195	-0.180	-0.180	-0.527	-0.136	-0.163	-0.195	-0.150	-0.155	-0.152	-0.153	-0.139	-0.145	-0.155	-0.143	-0.179	-0.161	-0.131	-0.126	-0.134	-0.153	-0.006	0.000	0.000	0.000
4	North Room SE	-0.308	-0.330	-0.330	-0.360	-0.290	-0.309	-0.308	-0.289	-0.301	-0.294	-0.293	-0.301	-0.311	-0.297	-0.299	-0.344	-0.313	-0.297	-0.272	-0.064	-0.301	-0.008	0.000	0.000	0.000
5	Salon	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-32.000	-30.000	-30.000	-32.000	-31.000	-31.000	-31.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-0.013	0.000	0.000	0.000
6	Salon	-20.000	-18.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-0.009	0.000	0.000	0.000
7	Salon	-28.000	-28.000	-28.000	-30.000	-28.000	-28.000	-28.000	-31.000	-30.000	-29.000	-30.000	-30.000	-30.000	-30.000	-28.000	-28.000	-28.000	-28.000	-29.000	-28.000	-28.000	-0.010	0.000	0.000	0.000
8	Salon	-28.000	-28.000	-28.000	-28.000	-28.000	-28.000	-28.000	-30.000	-29.000	-28.000	-30.000	-29.000	-29.000	-28.000	-28.000	-28.000	-28.000	-28.000	-28.000	-28.000	-28.000	-0.003	0.000	0.000	0.000
9	North Room SW	-8.000	-2.600	-8.000	-8.000	-8.000	-8.000	-8.000	-2.602	-3.157	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-8.000	-2.566	-2.430	-2.563	-7.632	-10.000	-10.000	-10.000
10	North Room SW	-4.631	-4.500	-4.670	-4.000	-4.550	-4.621	-4.631	-4.617	-4.618	-4.577	-4.605	-4.529	-4.647	-4.600	-2.210	-4.650	-4.506	-4.503	-4.691	-4.371	-4.472	-7.220	-5.000	-5.000	-4.000
11	North Room NW	-0.871	-0.880	-0.880	-0.801	-0.838	-0.845	-0.871	-0.812	-0.865	-0.813	-0.814	-0.805	-0.804	-0.871	-0.810	-0.874	-0.905	-0.872	-0.840	-0.821	-0.880	-7.378	-8.000	-7.000	-5.500
12	North Room NW	-0.591	-0.600	-0.570	-0.571	-0.579	-0.592	-0.591	-0.560	-0.595	-0.577	-0.583	-0.554	-0.554	-0.591	-0.533	-0.595	-0.594	-0.582	-0.569	-0.549	-0.584	-7.624	-5.000	-5.000	-4.000
	Avg. Vacume @ Header (in H_2O)		-9.510	-10.133	-10.265	-10.108	-10.123	-10.129	-10.254	-9.972	-10.195	-10.623	-10.444	-10.454	-10.367	-9.913	-10.135	-10.123	-10.102	-9.745	-9.603	-9.654	-2.493	-2.333	-2.250	-1.958
Knockout pot reading	Hg"		-26	-28	-6.5	-8	-8	-7.25	-3.5	-7	-5	-3	-3.5	-4	-6.5	-8	-11	-10	-10	-4	-3	-2.5	-2.4	-6	-3	-7
	H_2O"		-353.496	-380.688	-88.374	-108.768	-108.768	-98.571	-47.586	-95.172	-67.98	-40.788	-47.586	-54.384	-88.374	-108.768	-149.556	-135.96	-135.96	-54.384	-40.788	-33.99	-32.6304	-81.576	-40.788	-95.172
		VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP
Vapor Point Number			5/24/2011	6/24/2011	7/28/2011	8/11/2011	8/19/2011	9/23/2011	10/31/2011	11/23/2011	12/28/2011	1/25/2012	2/29/2012	3/27/2012	5/1/2012	6/9/2012	7/12/2012	8/24/2012	9/28/2012	12/28/2012	4/8/2013	6/28/2013	9/27/2013	10/4/2013	1/31/2014	3/17/2014
1			-0.073	-0.091	-0.463	-0.058	-0.121	-0.110	-0.068	-0.106	-0.104	-0.102	-0.085	-0.083	-0.082	-0.081	-0.141	-0.088	-0.104	-0.089	-0.115	-0.123	-0.839	-4.243	-0.361	-0.196
2			-0.107	-0.083	-0.343	-0.046	-0.093	-0.092	-0.048	-0.082	-0.084	-0.086	-0.048	-0.066	-0.083	-0.082	-0.124	-0.078	-0.062	-0.066	-0.069	-0.095	-1.380	-2.764	-0.164	-0.562
3			-0.058	-0.051	-0.453	-0.065	-0.073	-0.079	-0.077	-0.087	-0.078	-0.070	-0.043	-0.061	-0.066	-0.068	-0.047	-0.074	-0.073	-0.072	-0.070	-0.070	-5.666	-2.534	-0.312	-2.010
4			-0.018	-0.053	-0.090	-0.021	-0.046	-0.037	-0.041	-0.020	-0.048	-0.040	-0.017	-0.031	-0.032	-0.040	-0.051	-0.051	-0.056	-0.041	-0.039	-0.034	-0.238	-0.612	-0.061	-0.102
5			-0.090	-0.062		-0.049	-0.069	-0.061	-0.038	-0.046	-0.042	-0.042	-0.044	-0.059	-0.041	-0.490	-0.236	-0.027	-0.024	-0.024	-0.026	-0.032	-0.012	0.000	0.000	0.000
6			-0.059	-0.039	-0.402	-0.025	-0.047	-0.046	-0.038	-0.043	-0.043	-0.033	-0.033	-0.040	-0.032		-0.316	-0.016	-0.028	-0.018	-0.030	-0.031	-0.015	0.000	0.000	0.000
7			-0.018	-0.026	-0.252	-0.018	-0.130	-0.023	-0.044	-0.042	-0.044	-0.098	-0.014	-0.054	-0.101	-0.077	-0.018	-0.021	-0.020	-0.016	-0.016	-0.017	-0.002	-0.009	0.000	0.000

Comparison of Vacuums Measured at Distribution Header Versus Relative Vapor Point Measurements.

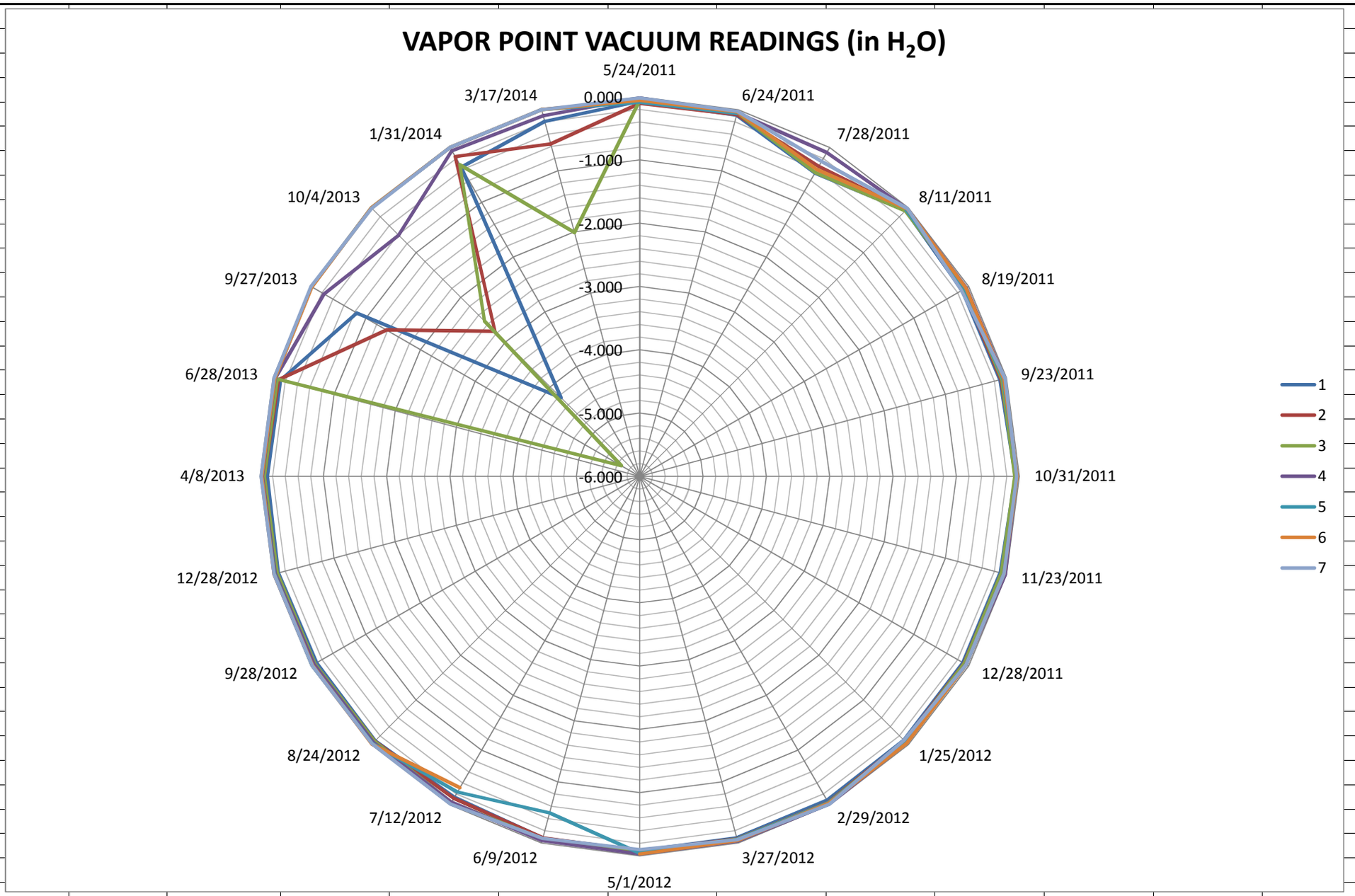
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	5/24/2011	6/24/2011	7/28/2011	8/11/2011	8/19/2011	9/23/2011	10/31/2011	11/23/2011	12/28/2011	1/25/2012	2/29/2012	3/27/2012	5/1/2012	6/9/2012	7/12/2012	8/24/2012	9/28/2012	12/28/2012	4/8/2013	6/28/2013	9/27/2013	10/4/2013	1/31/2014	3/17/2014
relative Vapor Point	a vacuum points influenced by specific lateral and their comparative readings																										
3	-0.058	-0.051	-0.453	-0.065	-0.073	-0.079	-0.077	-0.087	-0.078	-0.070	-0.043	-0.061	-0.066	-0.068	-0.047	-0.074	-0.073	-0.072	-0.070	-0.070	-5.666	-2.534	-0.312	-2.010
5	-0.090	-0.062	0.000	-0.049	-0.069	-0.061	-0.038	-0.046	-0.042	-0.042	-0.044	-0.059	-0.041	-0.490	-0.236	-0.027	-0.024	-0.024	-0.026	-0.032	-0.012	0.000	0.000	0.000
6	-0.059	-0.039	-0.402	-0.025	-0.047	-0.046	-0.038	-0.043	-0.043	-0.033	-0.033	-0.040	-0.032	0.000	-0.316	-0.016	-0.028	-0.018	-0.030	-0.031	-0.015	0.000	0.000	0.000
6	-0.059	-0.039	-0.402	-0.025	-0.047	-0.046	-0.038	-0.043	-0.043	-0.033	-0.033	-0.040	-0.032	0.000	-0.316	-0.016	-0.028	-0.018	-0.030	-0.031	-0.015	0.000	0.000	0.000
7	-0.018	-0.026	-0.252	-0.018	-0.130	-0.023	-0.044	-0.042	-0.044	-0.098	-0.014	-0.054	-0.101	-0.077	-0.018	-0.021	-0.020	-0.016	-0.016	-0.017	-0.002	-0.009	0.000	0.000
7	-0.018	-0.026	-0.252	-0.018	-0.130	-0.023	-0.044	-0.042	-0.044	-0.098	-0.014	-0.054	-0.101	-0.077	-0.018	-0.021	-0.020	-0.016	-0.016	-0.017	-0.002	-0.009	0.000	0.000
4	-0.018	-0.053	-0.090	-0.021	-0.046	-0.037	-0.041	-0.020	-0.048	-0.040	-0.017	-0.031	-0.032	-0.040	-0.051	-0.051	-0.056	-0.041	-0.039	-0.034	-0.238	-0.612	-0.061	-0.102
4	-0.018	-0.053	-0.090	-0.021	-0.046	-0.037	-0.041	-0.020	-0.048	-0.040	-0.017	-0.031	-0.032	-0.040	-0.051	-0.051	-0.056	-0.041	-0.039	-0.034	-0.238	-0.612	-0.061	-0.102
1	-0.073	-0.091	-0.463	-0.058	-0.121	-0.110	-0.068	-0.106	-0.104	-0.102	-0.085	-0.083	-0.082	-0.081	-0.141	-0.088	-0.104	-0.089	-0.115	-0.123	-0.839	-4.243	-0.361	-0.196
1	-0.073	-0.091	-0.463	-0.058	-0.121	-0.110	-0.068	-0.106	-0.104	-0.102	-0.085	-0.083	-0.082	-0.081	-0.141	-0.088	-0.104	-0.089	-0.115	-0.123	-0.839	-4.243	-0.361	-0.196
2	-0.107	-0.083	-0.343	-0.046	-0.093	-0.092	-0.048	-0.082	-0.084	-0.086	-0.048	-0.066	-0.083	-0.082	-0.124	-0.078	-0.062	-0.066	-0.069	-0.095	-1.380	-2.764	-0.164	-0.562
3	-0.058	-0.051	-0.453	-0.065	-0.073	-0.079	-0.077	-0.087	-0.078	-0.070	-0.043	-0.061	-0.066	-0.068	-0.047	-0.074	-0.073	-0.072	-0.070	-0.070	-5.666	-2.534	-0.312	-2.010
Avg Vacume @ VP (in H_2O)	-0.054	-0.055	-0.305	-0.039	-0.083	-0.062	-0.052	-0.060	-0.063	-0.068	-0.040	-0.055	-0.063	-0.092	-0.126	-0.050	-0.054	-0.047	-0.053	-0.056	-1.243	-1.463	-0.136	-0.432


SMALL OUTSIDE AREA STRUCTURES TO BE REMOVED (FUTURE)
INTERIOR WALLS REMOVED
75ft. 0in.
22ft. 6in.
9ft. 6in.
43ft. 0in.
EXISTING BASEMENT AREA
8ft. 3in.
33ft. 0in.
2ft. 6in.
2ft. 2in.
18ft. 0in.
1ft. 9in.
3ft. 4in.
55ft. 8in.
15ft. 0in.
1ft. 9in.
21ft. 0in.
2ft. 0in.
WELL
VP 1
VP 2
VP 3
VP 4
VP 5
VP 6
VP 7
A
B
C
D
N

VACUUMS MEASURED AT DISTRIBUTION HEADER (in H_2O)



- 1 North Room NE
- 2 North Room NE
- 3 North Room SE
- 4 North Room SE
- 5 Salon
- 6 Salon
- 7 Salon
- 8 Salon
- 9 North Room SW
- 10 North Room SW
- 11 North Room NW
- 12 North Room NW


VAPOR POINT VACUUM READINGS (in H_2O)
5/24/2011
6/24/2011
7/28/2011
8/11/2011
8/19/2011
9/23/2011
10/31/2011
11/23/2011
12/28/2011
1/25/2012
2/29/2012
3/27/2012
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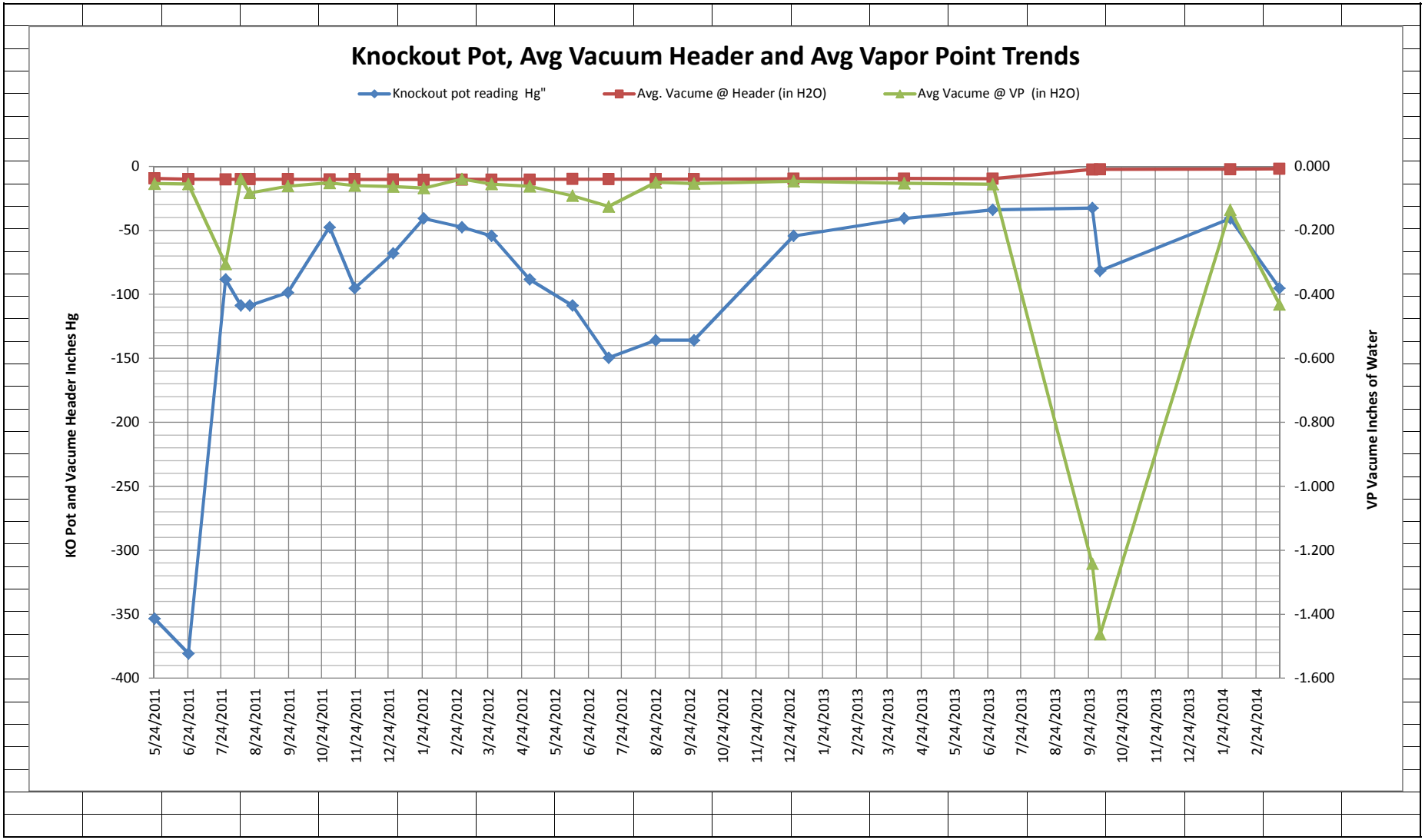
8/24/2012
9/28/2012
12/28/2012
4/8/2013
6/28/2013
9/27/2013
10/4/2013
1/31/2014
3/17/2014
0.000
-1.000
-2.000
-3.000
-4.000
-5.000
-6.000
1
2
3
4
5
6
7


Knockout Pot, Avg Vacuum Header and Avg Vapor Point Trends
Knockout pot reading Hg"
Avg. Vacume @ Header (in H2O)
Avg Vacume @ VP (in H2O)
KO Pot and Vacume Header Inches Hg
VP Vacume Inches of Water
0
-50
-100
-150
-200
-250
-300
-350
-400
0.000
-0.200
-0.400
-0.600
-0.800
-1.000
-1.200
-1.400
-1.600
5/24/2011
6/24/2011
7/24/2011
8/24/2011
9/24/2011
10/24/2011
11/24/2011
12/24/2011
1/24/2012
2/24/2012
3/24/2012
4/24/2012
5/24/2012
6/24/2012
7/24/2012
8/24/2012
9/24/2012
10/24/2012
11/24/2012
12/24/2012
1/24/2013
2/24/2013
3/24/2013
4/24/2013
5/24/2013
6/24/2013
7/24/2013
8/24/2013
9/24/2013
10/24/2013
11/24/2013
12/24/2013
1/24/2014
2/24/2014

ATTACHMENT D

ELAPSED TIME AND RUNTIME CALCULATIONS
Chez Valet

Elapsed Time and Run time calculations

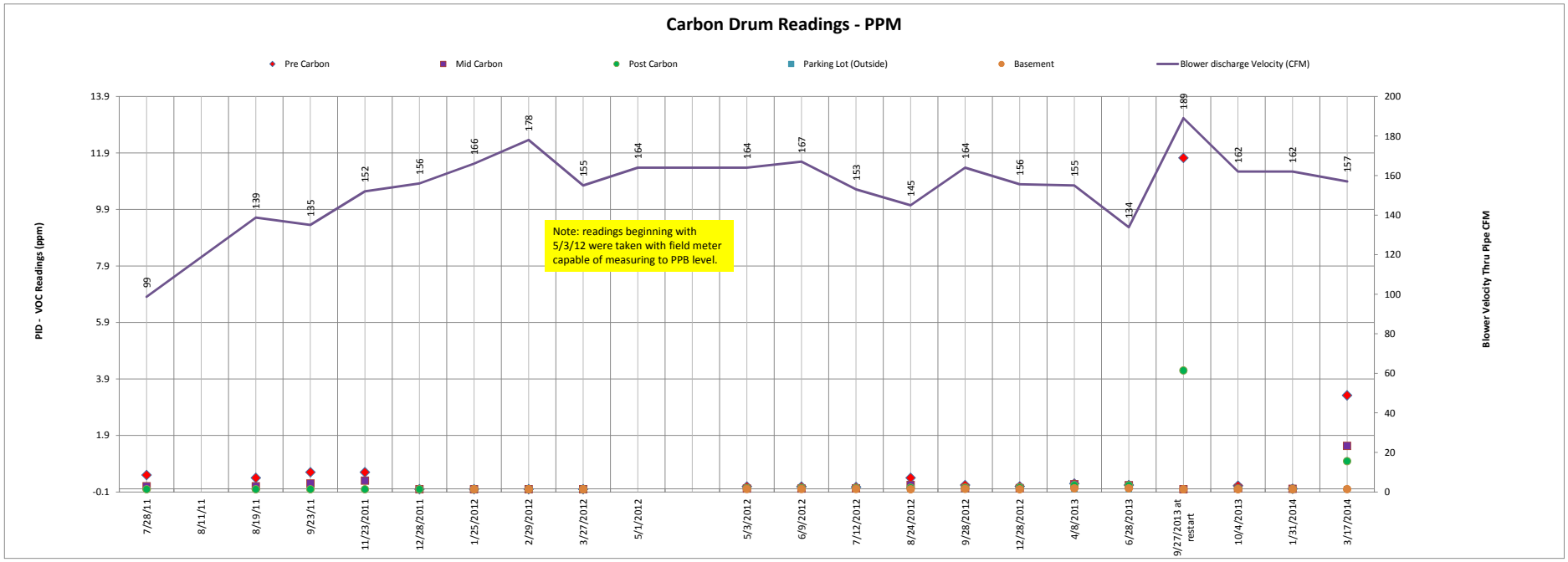
Date @ Time	Meter reading (hours)	Meter Read By	Actual Elapsed Time (hours)	Interval between readings	Interval % runtime	Cumulative % runtime	Days not operating	Comments
5/24/11 9:00	-							
6/24/2011 8:35	743.6	RH	743.6	743.6	100.0%	100.0%		
7/28/2011 7:15	1,555.5	RH	1,558.3	814.7	99.7%	99.8%	0.12	
8/11/2011 7:10	1,890.7	RH	1,894.2	335.9	99.8%	99.8%	0.03	
8/19/11 7:00	2,082.0	RH	2,086.0	191.8	99.7%	99.8%	0.02	
9/23/11 8:20	2,921.0	RH	2,927.3	841.3	99.7%	99.8%	0.10	
11/23/11 7:45	4,379.5	RH	4,390.7	1,463.4	99.7%	99.7%	0.20	
12/28/11 8:00	5,217.5	RH	5,231.0	840.3	99.7%	99.7%	0.09	
1/25/12 7:54	5,887.5	RH	5,902.9	671.9	99.7%	99.7%	0.08	
2/29/12 7:47	6,725.2	RH	6,742.8	839.9	99.7%	99.7%	0.09	
3/27/12 8:00	7,370.7	RH	7,391.0	648.2	99.6%	99.7%	0.11	
5/1/12 10:23	8,210.8	RH	8,233.4	842.4	99.7%	99.7%	0.10	
5/3/12 8:03	8,256.3	RH	8,279.1	45.7	99.6%	99.7%	0.01	
6/9/2012 7:36	9,117.1	RH	9,166.6	933.2	97.1%	99.5%	1.12	Summer thunder Storm
7/12/2012 9:10	9,932.4	RH	9,960.2	793.6	102.7%	99.7%	-0.91	
8/24/2012 8:15	10,960.7	RH	10,991.3	1,031.1	99.7%	99.7%	0.12	
9/27/2012 12:25	11,778.7	AHL	11,811.4	820.2	99.7%	99.7%	0.09	
9/28/2012 9:00	11,799.2	RH	11,832.0	20.6	99.6%	99.7%	0.00	
11/14/2012 10:30	12,856.3	AHL	12,961.5	1,129.5	95.4%	99.2%	2.16	Hurricane Sandy
12/28/2012 9:07	13,908.1	RH	14,016.1	1,054.6	99.7%	99.2%	0.12	
2/7/2013 8:49	14,888.2	AHL	14,999.8	983.7	99.6%	99.3%	0.15	
3/28/2013 11:00	16,001.9	AHL	16,178.0	1,178.2	94.5%	98.9%	2.69	Break In
4/8/2013 11:32	16,265.7	RH	16,442.5	264.5	99.7%	98.9%	0.03	
6/28/2013 11:30	18,202.5	RH	18,386.5	1,944.0	99.6%	99.0%	0.30	
8/12/2013 11:32		RH	19,466.5	1,080.0				System found Running, but hour meter failed
SYSTEM SHUTDOWN FOR SAMPLING							45.99	
9/27/2013 11:14	1.4	RH	1.4					NEW HOURMETER
10/4/2013 9:46	167.4	RH	166.5	165.1	100.5%	100.5%	-0.04	
1/31/2014 8:00	2,968.8	RH	3,020.8	2,854.2	98.1%	98.3%	2.20	
3/17/2014 9:10	4,046.1	RH	4,101.9	1,081.2	99.6%	98.6%	0.16	
SYSTEM SHUTDOWN FOR SAMPLING							172.06	
9/5/2014 10:35	4,145.9	Don	4,145.9				-	
12/12/2014 13:14	6,495.2	AHL	6,456.6	2,310.7	101.7%	100.6%	(1.6)	
				Average uptime *		99.6%	225.58	* when not subject to planned sutdown
							38.63%	

ATTACHMENT E

CARBON DRUM READINGS
Chez Valet

EXHAUST GAS
CARBON DRUM READINGS

Date	7/28/11	8/11/11	8/19/11	9/23/11	11/23/2011	12/28/2011	1/25/2012	2/29/2012	3/27/2012	5/1/2012	5/3/2012	6/9/2012	7/12/2012	8/24/2012	9/28/2012	12/28/2012	4/8/2013	6/28/2013	9/27/2013 at restart	10/4/2013	1/31/2014	3/17/2014
Blower discharge Velocity (CFM)	99		139	135	152	156	166	178	155	164	164	167	153	145	164	156	155	134	189	162	162	157
PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)	PID (PPM)
Pre Carbon	0.5		0.4	0.6	0.6	0.0	0.0	0.0	0.0		0.0910	0.0870	0.0730	0.4010	0.1430	0.0980	0.1945	0.1440	11.7250	0.1220	0.0130	3.3230
Mid Carbon	0.1		0.1	0.2	0.3	0.0	0.0	0.0	0.0		0.0230	0.0210	0.0260	0.1500	0.0370	0.0380	0.1745	0.1400	0.0000	0.0370	0.0120	1.5300
Post Carbon	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0400	0.0430	0.0410	0.0560	0.0550	0.0600	0.1460	0.1370	4.2025	0.0170	0.0060	0.9940
Parking Lot (Outside)							0.0	0.0	0.0		0.0030	0.0030	0.0020	0.0000	0.0000	0.0000	0.0055	0.0000	0.0000	0.0000	0.0000	0.0000
Basement							0.0	0.0	0.0		0.0090	0.0050	0.0090	0.0000	0.0110	0.0000	0.0295	0.0330	0.0000	0.0000	0.0020	0.0020



Chez Valet Dry Cleaners
New York State Superfund Project
Site # 130169

Soil Vapor Extraction - Sub Slab Depressurization System VOC Sampling Results (Laboratory)

Compound Analyzed	Carbon Influent							
	Result	Result	LRL	Result	Result	LRL	Result	LRL
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
	2/7/2011	4/6/2011		3/27/2012	4/8/2013		4/8/2013	
Tetrachloroethene	882.05	140	4.6	41	60	6.8	56	4.5