



**Countywide Recycling & Disposal Facility**

**Remediation Unit**

**Monthly Progress Report  
Of  
Operations, Monitoring & Maintenance Activities**

**February 2011**

*Prepared By:*

Countywide Recycling & Disposal Facility

Remediation Unit

3619 Gracemont Street S.W.,

East Sparta, Ohio

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## **Introduction**

This document provides a monthly report of activities conducted in February 2011, as required by the Operations, Monitoring, and Maintenance (OM&M) Plan. The OM&M plan was developed for the facility and adopted by the Ohio Environmental Protection Agency (OEPA) on September 30, 2009. The primary objectives of the monitoring portion of this plan are as follows:

1. Monitor status/progression of the reaction.
2. Monitor characteristics of leachate and gas.
3. Track settlement and slope movement/stability of waste mass and perimeter berms.
4. Monitor exposure conditions for engineered components.
5. Determine when conditions are suitable for composite capping.
6. Assess conditions requiring notification, repair, further evaluation or corrective action.
7. Provide a summary of monitoring and data collection, relevant activities conducted since the prior report, trigger events, and conditions which may require additional non-routine activities or investigation.

The OM&M Plan requires inspections, routine maintenance, and other activities that are not required to be presented in this submission. These activities are documented as required, and records are retained in the OM&M Managers office.

### **1. Monthly Summary Narrative**

During the month of February, all daily, weekly, and monthly tasks were completed as required. Quarterly tasks and monitoring were also completed, which included leachate sampling, leachate and cleanout temperature collection, and the aerial infrared scan.

As part of the South Slope Relocation project, approximately 50,000 cubic yards of material were excavated and relocated during the month of February. A total of approximately 120,000 cubic yards have been excavated and relocated since the project began on January 17, 2011 (as of the date of this report). This material has consisted of approximately 70% buttress soil material and 30% waste, with no obvious or dramatic signs of the reaction observed. The installation of replacement landfill gas wells was completed during February, and cap replacement on the North Slope was initiated.

### **2. New Construction**

No new construction is currently required or planned.

### **3. Major Non-Routine Maintenance, Repairs or Events**

Routine maintenance and repairs of the temporary cap, leachate, and gas systems were completed during the month of February. Temporary cap and sub-cap gas collection visual inspections were occasionally limited due to snow and ice cover on the cap, however no obvious issues were noted. No major maintenance, repairs, or events were conducted.

The following wells were installed as south slope replacement wells during February 2011; PW-417, PW-418, PW-419, and PW-420. The following wells were installed outside the south slope project area during February 2011; B2R2, D1R, E1R, PW-102R, PW-104R, PW-114R, PW-118R2, PW-123R, PW-131R2, PW-167R2, and PW-175R.

#### **4. New Trigger Events**

##### **Settlement**

Areas of 2% or greater annualized settlement are depicted on the monthly settlement survey maps. Per the OM&M Plan, an exceedance of this settlement rate should only be considered a trigger if it occurs in a location where it had not been exceeded in the previous event. The majority, if not all, of the areas exceeding the settlement rate in February have exceeded the trigger in prior months. As can be seen on the settlement maps, the south slope excavation and relocation areas and well drilling areas were excluded due to construction activity in those areas. Countywide intends to exclude these areas until the project is complete to ensure safety of personnel.

Areas along the toe of the waste mass have consistently shown false triggers due to the accuracy limits of the survey equipment and thickness of waste mass. These instances have been discussed on an ongoing basis during Team Countywide meetings. Upon extensive review and discussion, it has been mutually agreed upon that these values do not represent cause for immediate concern. Pin and plate monitoring along the toe of slope and near the waste limits supports that there is limited settlement/movement in these areas.

The settlement data across the facility was evaluated and is within the ranges and trends observed in prior months. The rate of settlement per day also appears to be within typical ranges and trends, although some fluctuation has been observed in the last few months. Generally, total settlement is decreasing over time.

There does not appear to be any anomalies or significant excursions outside the trends within the settlement data set. The settlement data and pin and plate data do not suggest that the settlement observed should cause concern from a slope stability or engineering control integrity standpoint.

##### **Pin/Plate Monitoring**

As defined by the OM&M Plan, a vertical trigger for pin and plate movement consists of a change of 0.05 feet or greater from the original elevation, which was measured in October 2009. During the month of February, monitoring pins IP-A1, IP-C1, and IP-E1 exceeded the vertical trigger. IP-E1 has consistently exceeded the trigger during the last few monitoring events, and as agreed, the baseline elevation for this pin has been adjusted.

Republic believes that the movement associated with pin IP-A1 and IP-C1 are not associated with slope instability, but rather are indicative of progressive frost heave. Elevation changes for this pin do not appear to represent a deviation from prior trends that would indicate slope instability. Based upon the analysis of data, which is fully presented in Attachment 4, Countywide does not believe that these triggers should prompt any additional measures beyond the requirements of the OM&M Plan and ongoing activities.

#### **5. Investigation Results from Previous Trigger Events**

It was agreed upon between Republic and the Agencies that the values resulting in triggers during the January 2011 monitoring period were consistent with ranges and trends previously reflected, and represent no significant anomalies when compared to prior ongoing trends. The analysis of these triggers did not prompt any additional measures beyond the requirements of the OM&M Plan and ongoing activities.

## **6. Trend Graphs and Drawings**

The graphs, tables, and figures required by the OM&M Plan are included in the attachments to this report. Due to the vast number of these and the detail that they provide, a full written summary is not provided in this document. The data will be discussed in depth at the Team Countywide Meeting. The February monitoring data is generally within the ranges and trending of that observed in prior months.

## **7. Review of Potential Need to Extend Temporary FML Cap**

Currently, the Remediation Unit consists of approximately 18 acres which do not have a temporary cap. Volume 1, Section 7.1 of the OM&M Plan details conditions which would initiate an assessment which could require installation of temporary cap in this area. Such conditions include;

- Uncontrollable odor or fugitive emissions,
- Unusual settlement (Incremental settlement greater than 2% per year),
- Atypical or uncontrollable leachate outbreaks,
- Methane/carbon dioxide ratio less than 1.0,
- Maximum wellhead temperatures greater than 150°F,
- Maximum carbon monoxide greater than 100 ppmv.

At this time, the conditions observed in this area supplemented by the data collected during monitoring and inspections do not indicate the need for expansion of the temporary cap.

## **8. Petitions to Perform Work**

The monitoring and inspections conducted during the operating period do not indicate the need for additional work which would require approval. As such, there are no petitions to perform such work at this time.

## **9. Proposed OM&M Plan Revisions**

No revisions to the OM&M Plan are proposed at this time.

## **10. Odor Summary/Complaints**

During the month of February, a total of 31 odor complaints were received by Republic Services. A breakdown of those complaints is provided below.

- Seven odor complaints were not confirmed during real-time investigation.
- Four odor complaints reported during non-working hours, all others received over eight working days



3/16/11

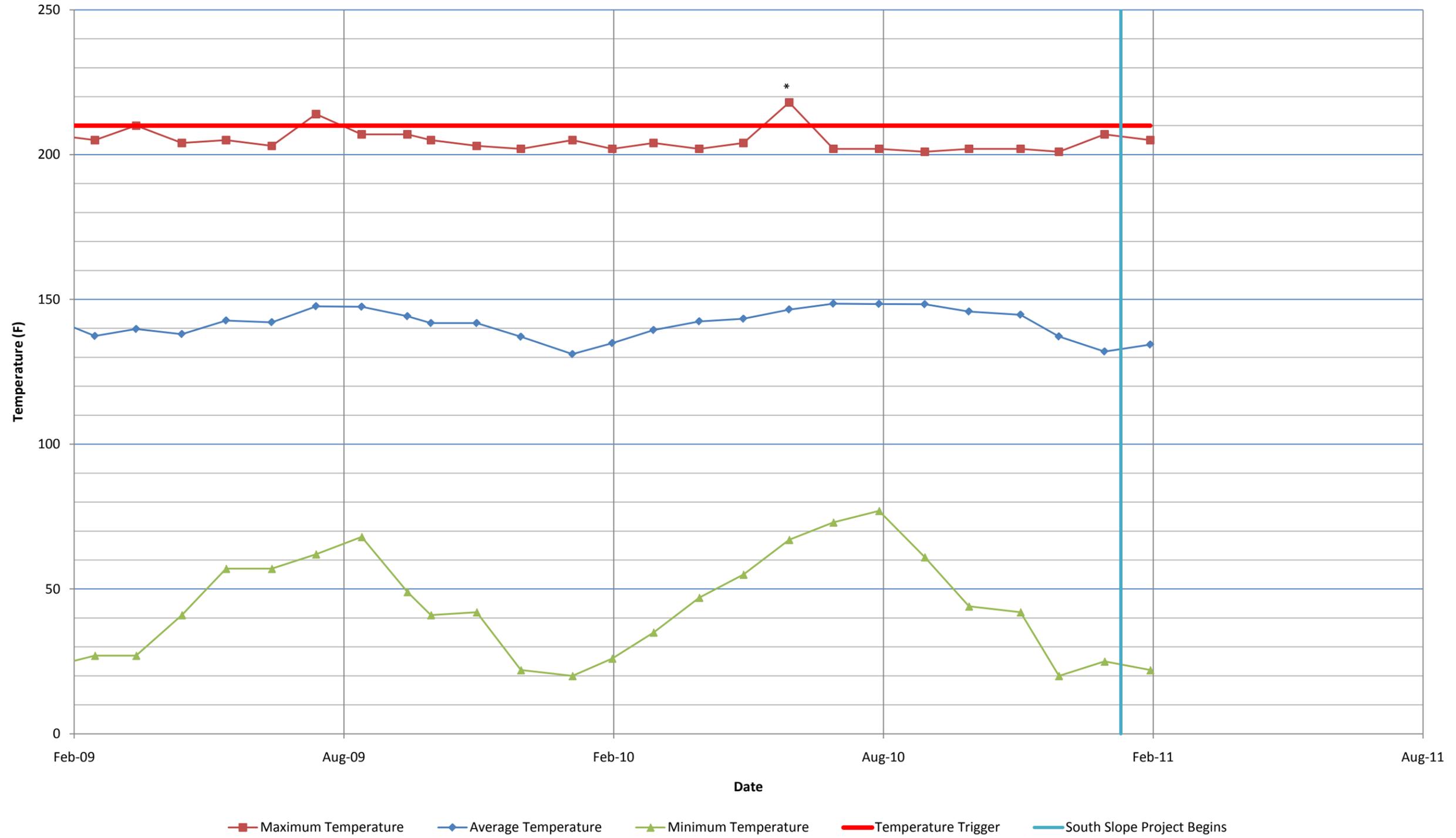
Michael Darnell  
OM&M Manager

Date

## **Attachment 1**

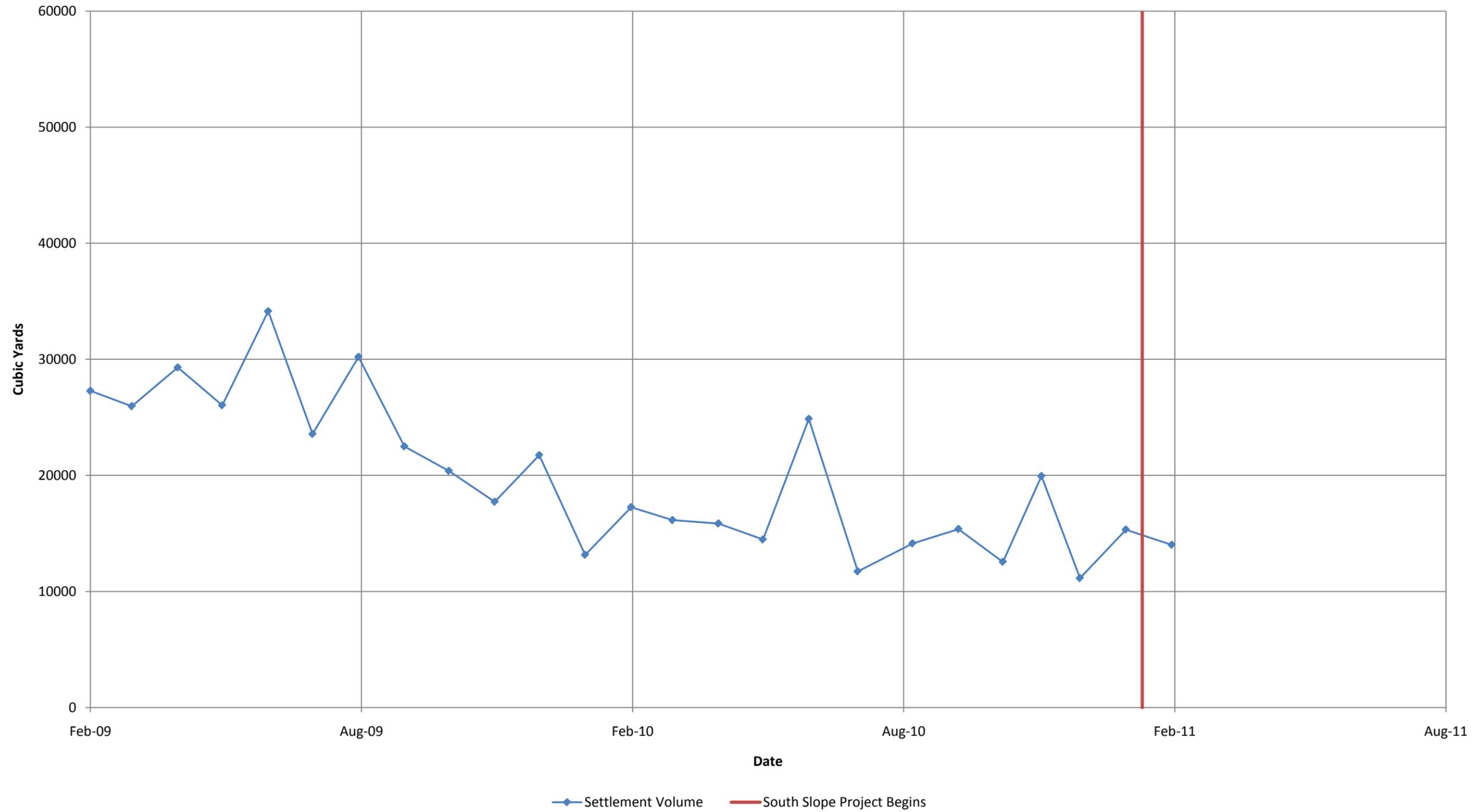
### **Graphs**

### Graph 1 Wellhead Temperature



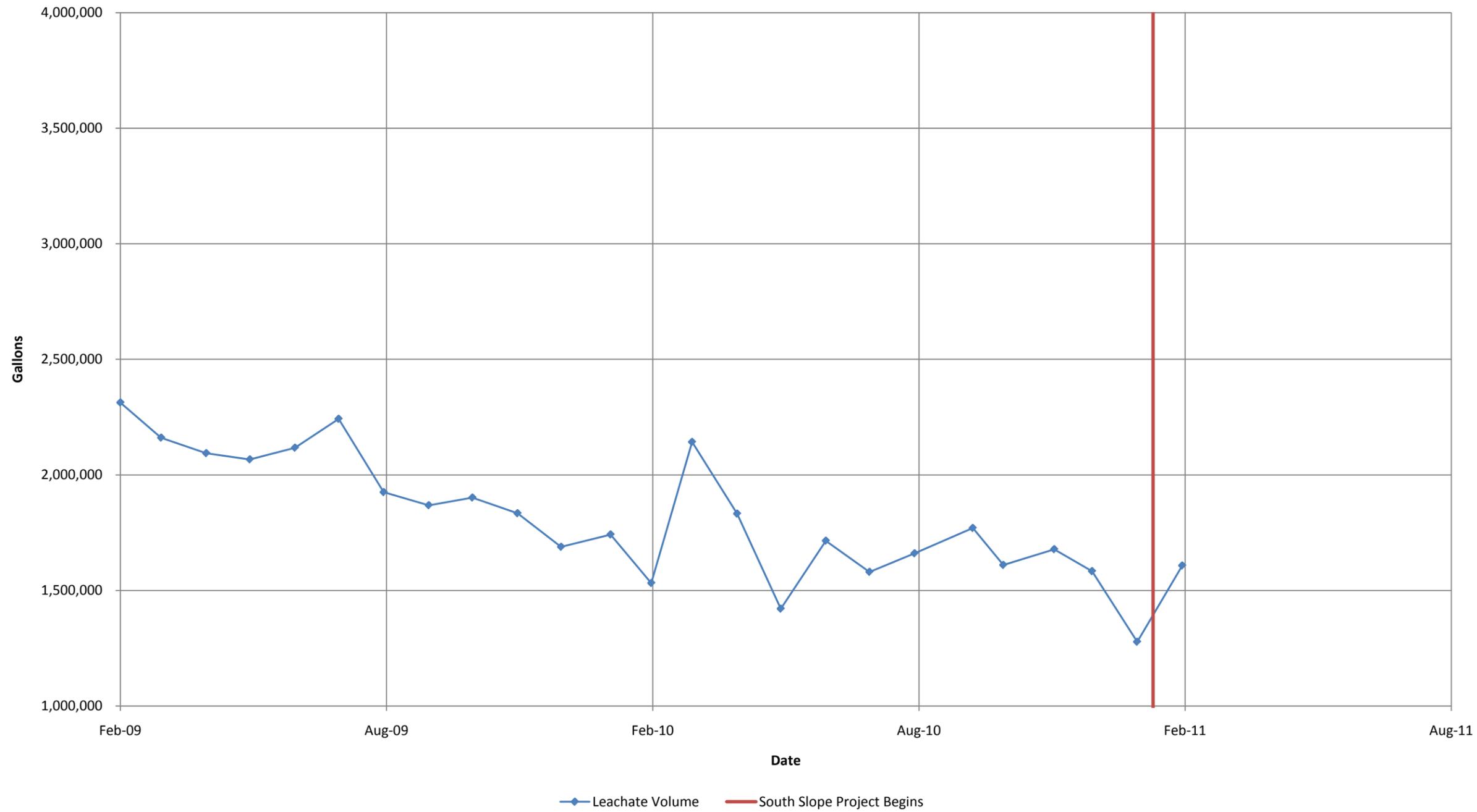
1. Maximum temperature depicted for June 2010 represents a single occurrence of a wellhead temperature over 210 degrees at a single well, caused by wellhead pressure. It does not represent a sustained temperature. Upon vacuum adjustment at the well, temperature returned to normal trend, below 210 degrees

### Graph 2 Settlement Volume



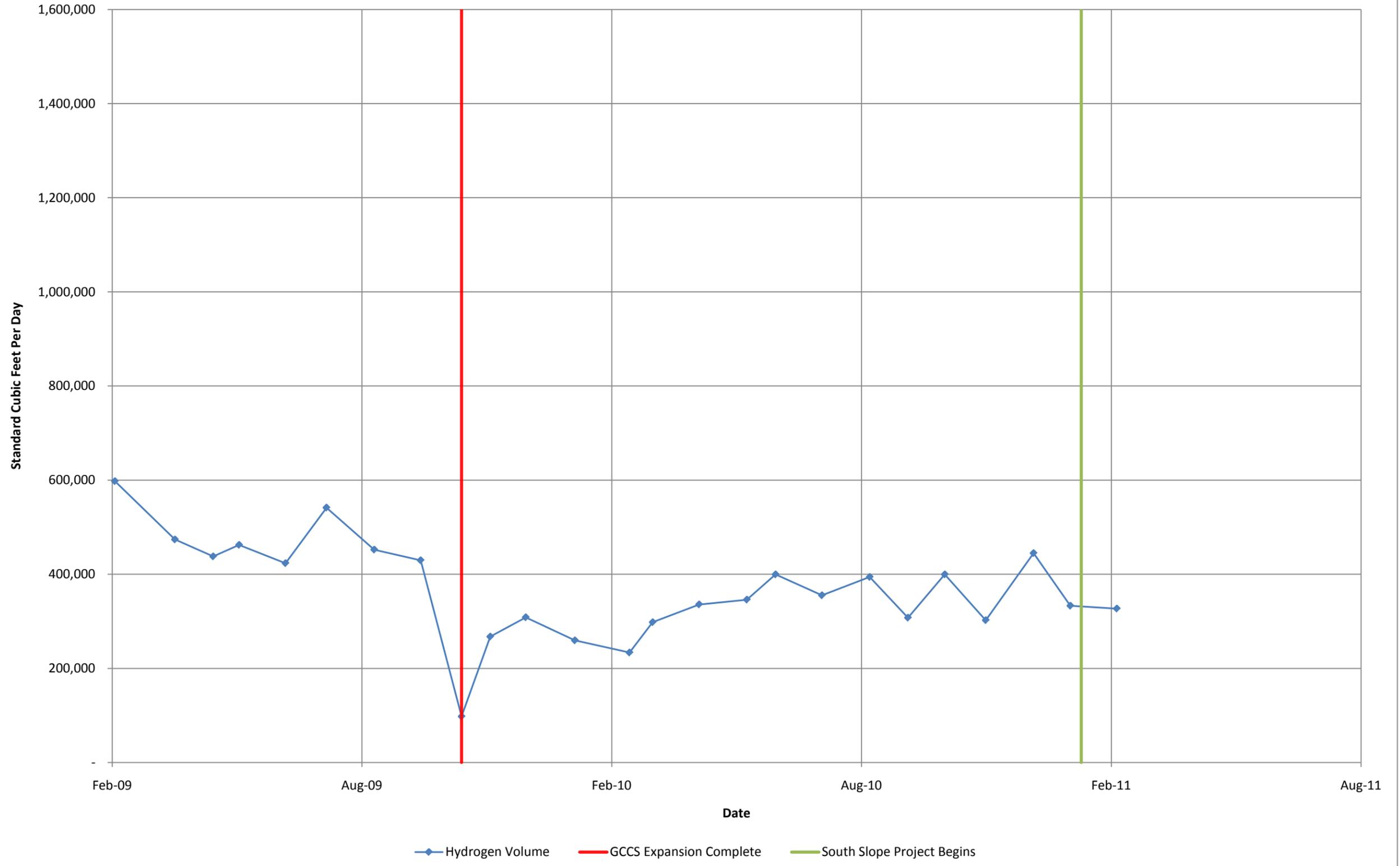
1. Information presented prior to October 2009 was compiled from data prepared and presented by SCS Engineers for Countywide Recycling and Disposal Facility.
2. Data presented on monthly basis.
3. Settlement volume reported prior to the 4th quarter of 2009 is for a limited area of the 88-acre reaction area.
4. The south slope project excavation and relocation areas were excluded from settlement monitoring during the months of January and February 2011.

### Graph 3 Leachate Volume

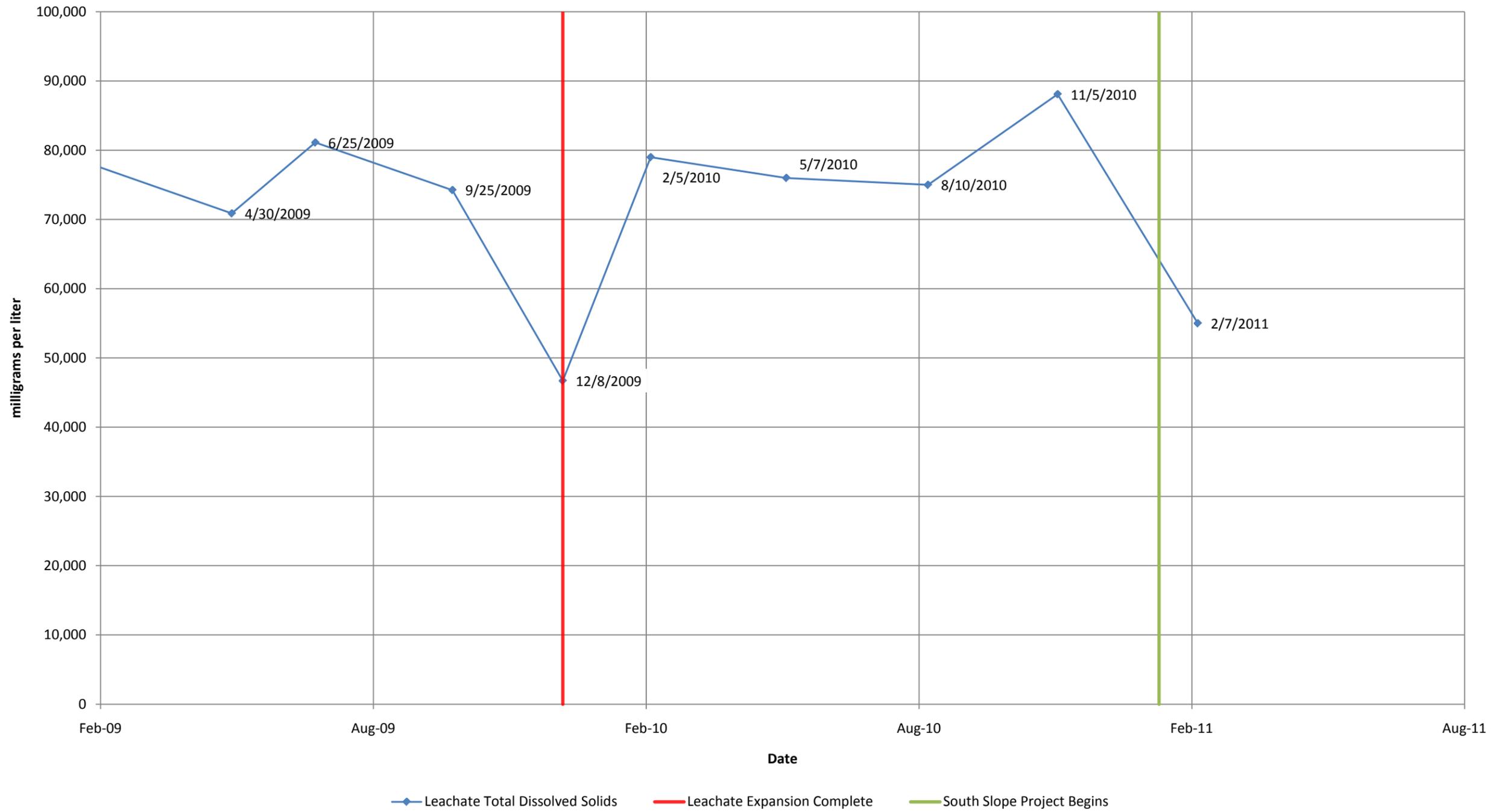


1. A freeboard of approximately 6 feet, approximately 90,000-gallons, is typically maintained at the 500,000-gallon tank. This freeboard volume was removed in July for tank cleaning and inspection. As such, the July 2010 leachate volume is elevated due to removal of this liquid.
2. Leachate generated from the Remediation Unit was stored in the same storage tank as that generated from the Operational Unit during the period July 19, 2010 through August 9, 2010 due to cleaning and maintenance to the Remediation storage tank. As such, the volume of leachate generated from the Remediation Unit was estimated for that period based upon typical daily averages.
3. The "Valley" represented in January 2011 was due to leachate volume generated in January but hauled out in February. Accordingly, this resulted in a "peak" in February 2011.

### Graph 4 Hydrogen Volume

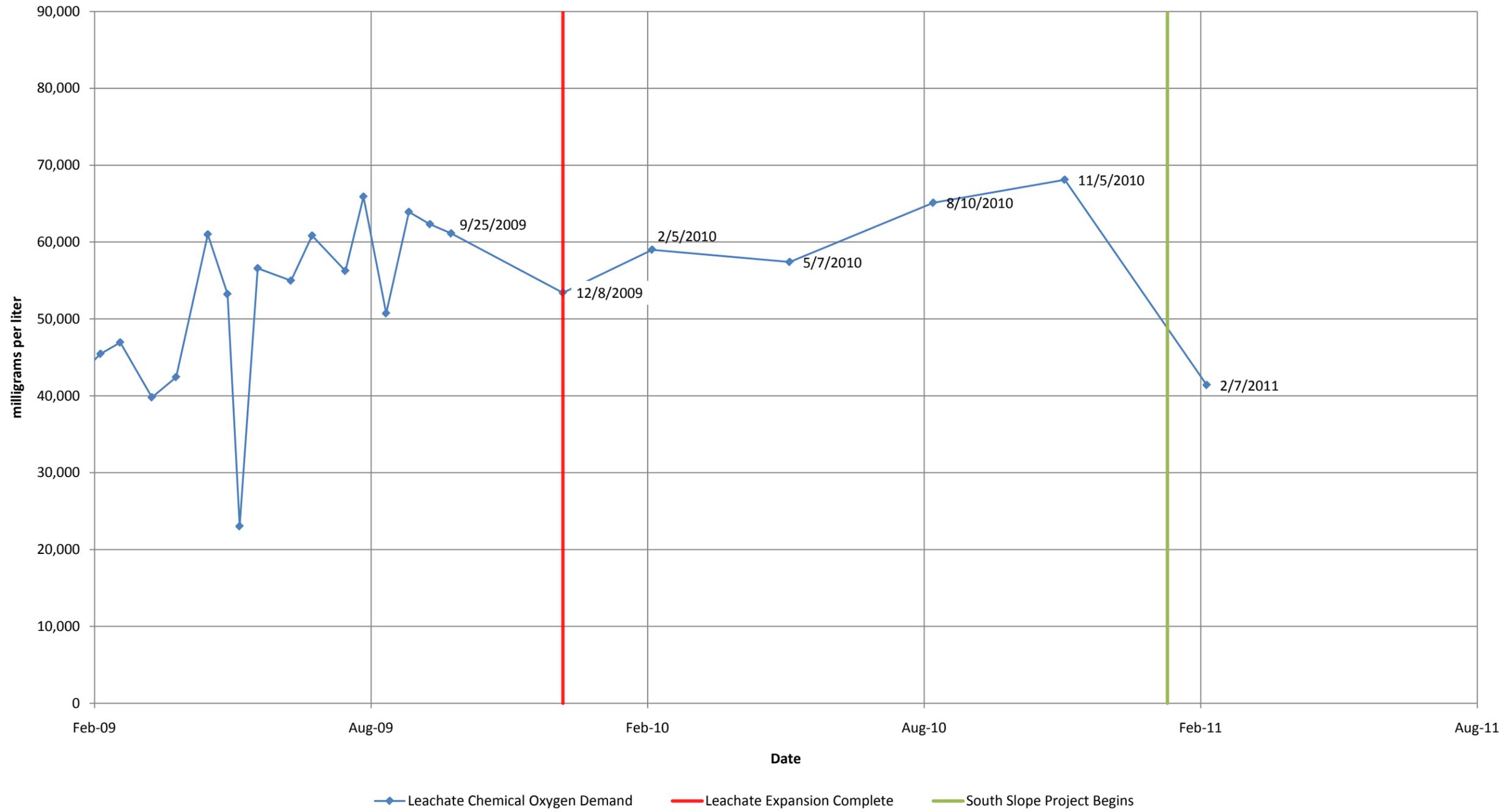


### Graph 5 Leachate Total Dissolved Solids



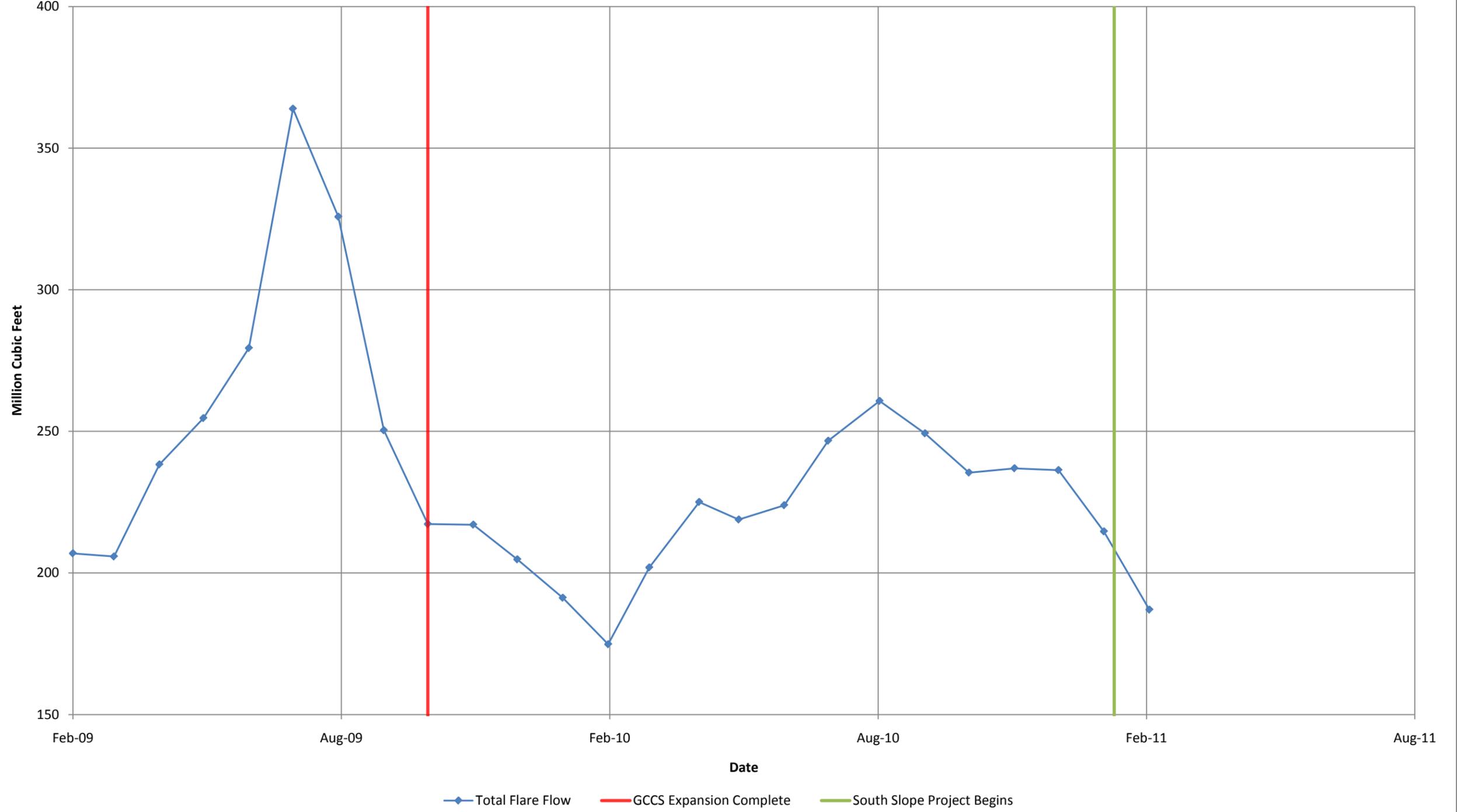
1. Information presented prior to October 2009 was compiled from data prepared and presented by AECOM for Countywide Recycling and Disposal Facility.
2. Data shown prior to October 2009 are flow-weighted averages of data from the East, North and South leachate collection tanks. Data from December 2009 is from combined Tank East 500.
3. Data shown prior to October 2009 comprises data from the leachate collection system only, and excludes certain leachate toe drains, sumps and gas collection wells.
4. Data labels beginning in October 2009 indicate date of quarterly analytical sampling.

### Graph 6 Leachate Chemical Oxygen Demand



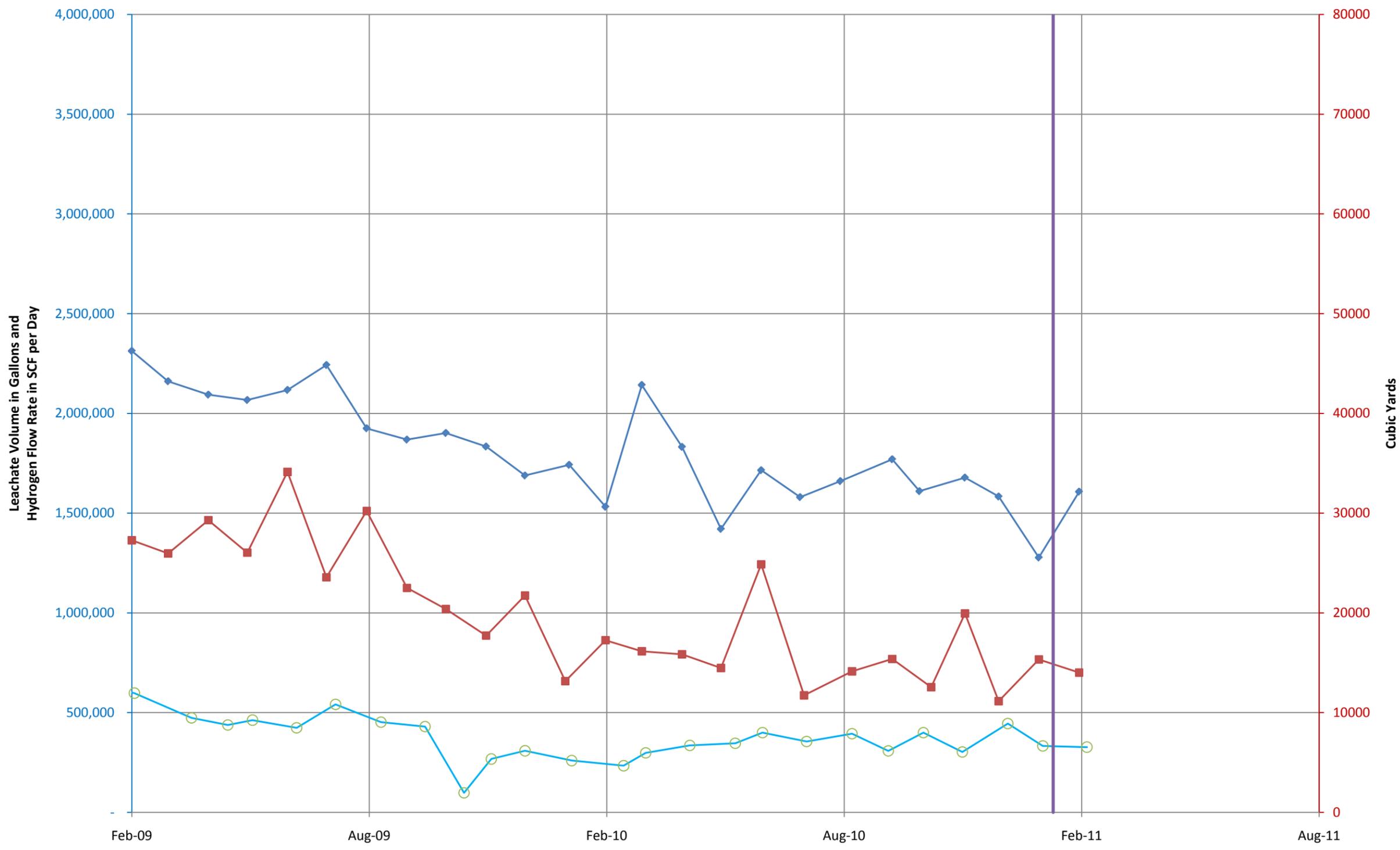
1. Information presented prior to October 2009 was compiled from data prepared and presented by AECOM for Countywide Recycling and Disposal Facility.
2. Data shown prior to October 2009 are flow-weighted averages of data from the East, North and South leachate collection tanks. Data from December 2009 is from combined Tank East 500.
3. Data shown prior to October 2009 comprises data from the leachate collection system only, and excludes certain leachate toe drains, sumps and gas collection wells.
4. Data labels beginning in October 2009 indicate date of quarterly analytical sampling.

### Graph 7 Total Flare Flow



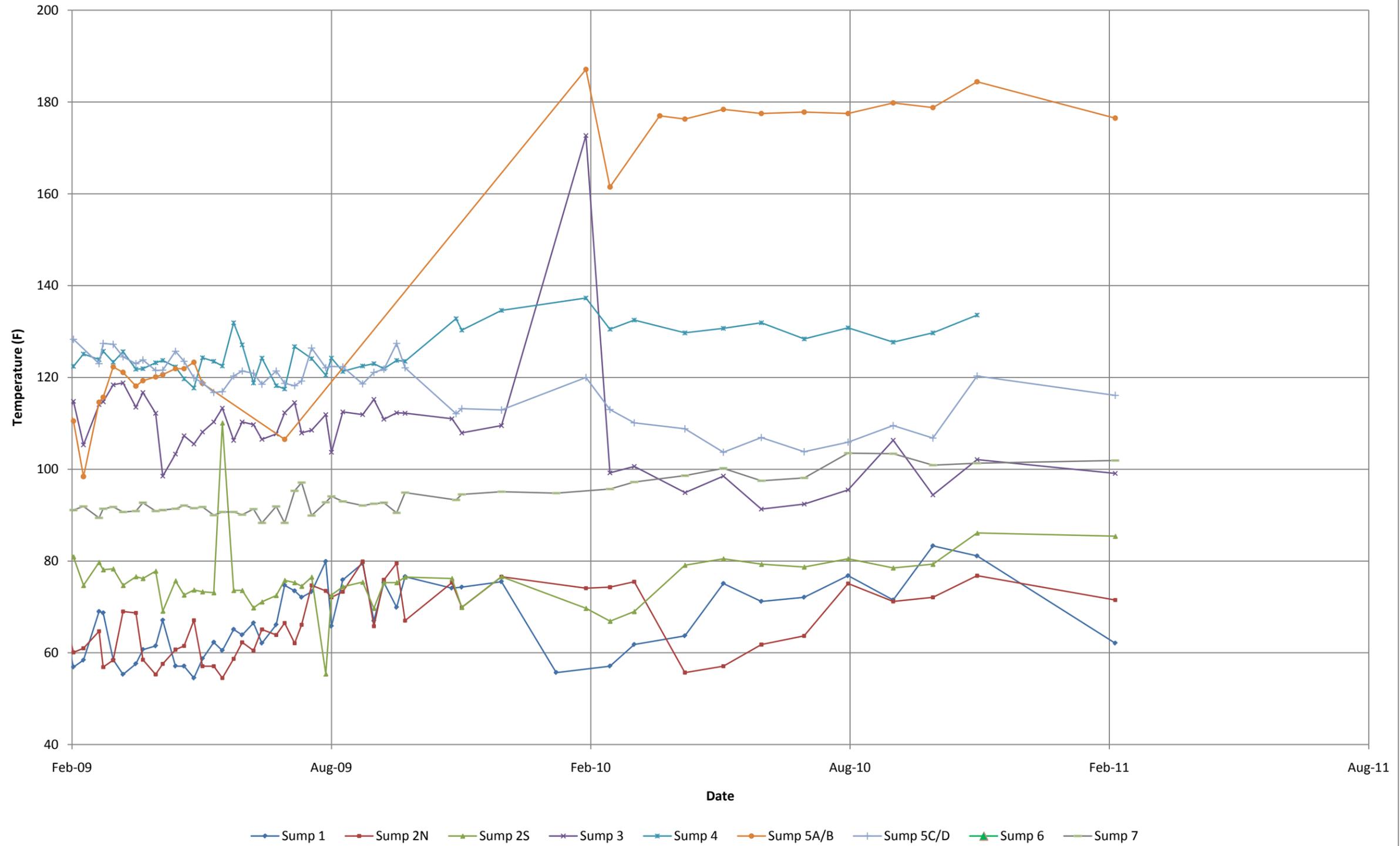
1. Increased flare flow in August 2010 is at least partially due to recalibration of flow meters during the reporting period.

**Graph 8 Combined Leachate, Hydrogen and Settlement Volume**



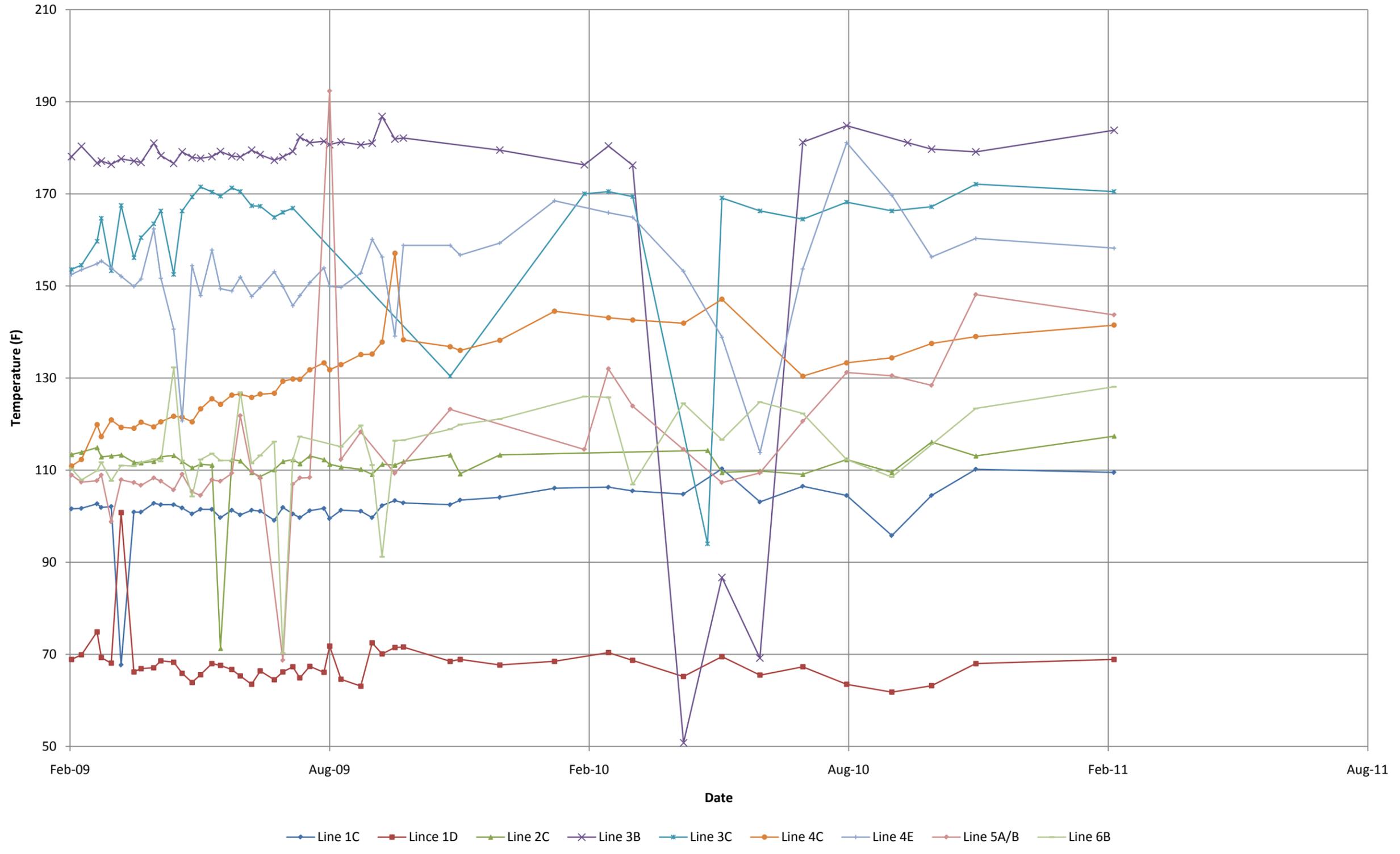
◆ Leachate Volume   
 ○ Hydrogen Volume   
 ■ Settlement Volume   
 — South Slope Project Begins

### Graph 9 Leachate Sump Temperature



1. As of November 2010, data is collected quarterly. Due to a thermocouple issue, Sump 4 was not read in February with the other sumps. This thermocouple is being replaced and will be read prior to end of March.

### Graph 10 Leachate Cleanout Temperature



## **Attachment 2**

### **Tables**

Table 1. Leachate Constituent Summary

Parameter Name		Value	Qualifier	Units	Detection Limit	Units
<b>Volatile Organic Compounds</b>						
1,1,1,2-Tetrachloroethane	<	100	U	ug/L	100	ug/L
1,1,1-Trichloroethane	<	100	U	ug/L	100	ug/L
1,1,2,2-Tetrachloroethane	<	100	U	ug/L	100	ug/L
1,1,2-Trichloroethane	<	100	U	ug/L	100	ug/L
1,1-Dichloroethane	<	100	U	ug/L	100	ug/L
1,1-Dichloroethylene	<	100	U	ug/L	100	ug/L
1,2,3-Trichloropropane	<	100	U	ug/L	100	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	<	200	U	ug/L	200	ug/L
1,2-Dibromoethane (EDB)	<	100	U	ug/L	100	ug/L
1,2-Dichloroethane	<	100	U	ug/L	100	ug/L
1,2-Dichloropropane	<	100	U	ug/L	100	ug/L
2-Hexanone	<	1,000	U	ug/L	1,000	ug/L
4-Methyl-2-pentanone		1,900		ug/L	1,000	ug/L
Acetone	<	34,000	E	ug/L	1,000	ug/L
Acrylonitrile	<	2,000	U	ug/L	2,000	ug/L
Benzene		400		ug/L	100	ug/L
Bromochloromethane	<	100	U	ug/L	100	ug/L
Bromodichloromethane	<	100	U	ug/L	100	ug/L
Bromoform	<	100	U	ug/L	100	ug/L
Carbon disulfide	<	100	U	ug/L	100	ug/L
Carbon tetrachloride	<	100	U	ug/L	100	ug/L
Chlorobenzene	<	100	U	ug/L	100	ug/L
Chloroethane	<	100	U	ug/L	100	ug/L
Chloroform	<	100	U	ug/L	100	ug/L
cis-1,2-Dichloroethylene	<	100	U	ug/L	100	ug/L
cis-1,3-Dichloropropene	<	100	U	ug/L	100	ug/L
Dibromochloromethane	<	100	U	ug/L	100	ug/L
Ethylbenzene		160		ug/L	100	ug/L
Methyl bromide	<	100	U	ug/L	100	ug/L
Methyl chloride	<	100	U	ug/L	100	ug/L
Methyl ethyl ketone	<	35,000	E	ug/L	1,000	ug/L
Methyl iodide	<	100	U	ug/L	100	ug/L
Methylene bromide	<	100	U	ug/L	100	ug/L
Methylene chloride	<	100	U	ug/L	100	ug/L
o-Dichlorobenzene	<	100	U	ug/L	100	ug/L
p-Dichlorobenzene		150		ug/L	100	ug/L
Styrene	<	34	J	ug/L	100	ug/L
Tetrachloroethylene	<	100	U	ug/L	100	ug/L
Toluene		220		ug/L	100	ug/L
trans-1,2-Dichloroethylene	<	100	U	ug/L	100	ug/L
trans-1,3-Dichloropropene	<	100	U	ug/L	100	ug/L
trans-1,4-Dichloro-2-butene	<	100	U	ug/L	100	ug/L
Trichloroethylene	<	42	J	ug/L	100	ug/L
Trichlorofluoromethane	<	100	U	ug/L	100	ug/L
Vinyl acetate	<	200	U	ug/L	200	ug/L
Vinyl chloride	<	100	U	ug/L	100	ug/L
Xylenes (total)		540		ug/L	200	ug/L

Table 1. Leachate Constituent Summary

<b>Dioxins/Furans</b>						
1,2,3,4,6,7,8-HpCDD		260	BJ	pg/L	480	pg/L
1,2,3,4,6,7,8-HpCDF		27	QBJ	pg/L	480	pg/L
1,2,3,4,7,8,9-HpCDF	<	480	U	pg/L	480	pg/L
1,2,3,4,7,8-HxCDD	<	480	U	pg/L	480	pg/L
1,2,3,4,7,8-HxCDF	<	480	U	pg/L	480	pg/L
1,2,3,6,7,8-HxCDD	<	480	U	pg/L	480	pg/L
1,2,3,6,7,8-HxCDF	<	480	U	pg/L	480	pg/L
1,2,3,7,8,9-HxCDD	<	480	U	pg/L	480	pg/L
1,2,3,7,8,9-HxCDF	<	480	U	pg/L	480	pg/L
1,2,3,7,8-PeCDD	<	480	U	pg/L	480	pg/L
1,2,3,7,8-PeCDF	<	480	U	pg/L	480	pg/L
2,3,4,6,7,8-HxCDF	<	480	U	pg/L	480	pg/L
2,3,4,7,8-PeCDF	<	480	U	pg/L	480	pg/L
2,3,7,8-TCDD	<	95	U	pg/L	95	pg/L
2,3,7,8-TCDF	<	95	U	pg/L	95	pg/L
OCDD		3300	B	pg/L	950	pg/L
OCDF		120	QBJ	pg/L	950	pg/L
Total HpCDD		520	JB	pg/L	480	pg/L
Total HpCDF		95	JQB	pg/L	480	pg/L
Total HxCDD		200	QJ	pg/L	480	pg/L
Total HxCDF	<	480	U	pg/L	480	pg/L
Total PeCDD		35	QJ	pg/L	480	pg/L
Total PeCDF	<	480	U	pg/L	480	pg/L
Total TCDD		120	QJ	pg/L	95	pg/L
Total TCDF		120	QJ	pg/L	95	pg/L
<b>Metals</b>						
Aluminum	<	20,000	UG	ug/L	20,000	ug/L
Antimony	<	1,000	UG	ug/L	1,000	ug/L
Arsenic		624		ug/L	500	ug/L
Barium		1,160		ug/L	1,000	ug/L
Beryllium	<	300	UG	ug/L	300	ug/L
Cadmium	<	200	UG	ug/L	200	ug/L
Calcium		1,800,000		ug/L	100,000	ug/L
Chromium	<	500	UG	ug/L	500	ug/L
Cobalt	<	500	UG	ug/L	500	ug/L
Copper	<	500	UG	ug/L	500	ug/L
Iron		539,000		ug/L	10,000	ug/L
Lead	<	300	UG	ug/L	300	ug/L
Magnesium		558,000		ug/L	100,000	ug/L
Manganese		37,200		ug/L	500	ug/L
Nickel	<	1,000	UG	ug/L	1,000	ug/L
Potassium		4,130,000		ug/L	100,000	ug/L
Selenium	<	500	UG	ug/L	500	ug/L
Silver	<	300	UG	ug/L	300	ug/L
Sodium		8,840,000		ug/L	100,000	ug/L
Thallium	<	1,000	UG	ug/L	1,000	ug/L
Vanadium	<	700	UG	ug/L	700	ug/L
Zinc		7,690		ug/L	2,000	ug/L

Table 1. Leachate Constituent Summary

<b>Field Parameters</b>					
Specific Conductance	83,000		umhos/cm	100	umhos/cm
Field pH	6.5		s.u.	0	s.u.
Field Temperature	13		F	0	F
<b>General Chemistry</b>					
Ammonia	5,670	D	mg/l	500	mg/l
Turbidity	760		NTU	50	NTU
Chloride	16,500		mg/L	1000	mg/L
Fluoride	< 1000	UG	mg/L	1000	mg/L
Sulfate	< 1000	UG	mg/L	1000	mg/L
Nitrate-Nitrite	28	D	mg/L	0.5	mg/L
Total Alkalinity	6,740		mg/L	500	mg/L
Total Dissolved Solids	55,000		mg/L	1000	mg/L
Chemical Oxygen Demand (COD)	41,400		mg/L	2000	mg/L

## Notes:

1. Results shown are reported for sample collected from the East 500 Leachate Tank on February 7, 2011 and were submitted to Test America Laboratories for analysis.

## 2. Laboratory Qualifiers:

- G The reporting limit is elevated due to matrix interference.
- J Amount reported is less than reportable limit
- a Spike analyte recovery is outside control limits
- D Dilution and reporting limit raised.
- U Non detect
- Q Estimated maximum concentration
- B Method Blank Contamination
- NC The recovery and/or RPD (relevant percent distance) were not calculated
- MSB The recovery and RPD may be outside control limits because the sample amount was greater than 4X the spike amount.

Table 2. Liquid Levels and Percent Perforations Exposed

Well ID	A2	B1R	B2R	C1R(2)	C2R	D1	D2R	E1	E2R	F1-M	F2	I1R	J1R	K1R	N1R	PW-A1R(2)	PW-14R(3)	PW-0041R(2)
Total Constructed Casing Length (ft)	68	36	78	48	123	57	123	70	123	60	68	121	122	56	122	61.5	43	73
Total Constructed Perforated Pipe Length (ft)	45	16	54	23	99	36	99	45	99	39	44	96	97	31	97	38	21	55
<b>December 2010</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12/17	N/A	N/A	12/17	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	61.1	N/A	N/A	26.7	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	110.5	N/A	N/A	47.2	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	86.5	N/A	N/A	22.2	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	37.1	N/A	N/A	1.7	N/A	N/A	N/A	N/A	N/A	N/A
<b>January 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1/20	N/A	N/A	1/20	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45.4	N/A	N/A	21.8	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	110.3	N/A	N/A	47.0	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	86.3	N/A	N/A	22.0	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21.4	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2/28	N/A	N/A	2/28	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	56.2	N/A	N/A	21.8	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	110.4	N/A	N/A	88.4	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	86.4	N/A	N/A	63.4	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32.2	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A
Well ID	PW-43R(2)	PW-56R(2)	PW-57R	PW-61R(2)	PW-62R(2)	PW-101	PW-102	PW-103R	PW-104	PW-105	PW-106R	PW-107	PW-108R	PW-109	PW-110	PW-111	PW-112	PW-113
Total Constructed Casing Length (ft)	102	102	85	74	91	78	78	105	78	78	69	66	50	37	31	62	77	78
Total Constructed Perforated Pipe Length (ft)	84	84	67	48	73	60	60	81	60	60	45	45	26	19	13	44	59	60
<b>December 2010</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>January 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2. Liquid Levels and Percent Perforations Exposed

Well ID	PW-114	PW-115R	PW-117R	PW-118R	PW-119R	PW-120	PW-121R(2)	PW-122R	PW-123	PW-124	PW-125	PW-127	PW-128	PW-129	PW-130	PW-131R	PW-132R	PW-138R
Total Constructed Casing Length (ft)	78	84	105	89	72	78	46	43.5	78	63	75	75	119.7	121	121	81	62	70
Total Constructed Perforated Pipe Length (ft)	60	60	80	64	50	60	31	25	60	45	60	60	103	103	103	58	40	46
<b>December 2010</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
<b>January 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
<b>February 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Well ID	PW-141R	PW-142R	PW-144	PW-145	PW-146	PW-147R	PW-148	PW-149	PW-150	PW-151	PW-152	PW-153	PW-154	PW-155	PW-156	PW-157	PW-158R	PW-159
Total Constructed Casing Length (ft)	104	80	102	120	120	80	53	51	50	43	42	52	42	42	112	112	104	117
Total Constructed Perforated Pipe Length (ft)	80	58	82	100	100	58	33	31	30	23	22	32	22	22	89	89	80	97
<b>December 2010</b>																		
Date	N/A	N/A	N/A	N/A	N/A	12/17	12/17	12/17	N/A	N/A	N/A							
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	46.7	40.5	50.4	N/A	N/A	N/A							
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	69.3	45.5	50.6	N/A	N/A	N/A							
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	47.3	25.5	30.6	N/A	N/A	N/A							
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	24.7	20.5	30.4	N/A	N/A	N/A							
<b>January 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	1/20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	29.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	45.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	25.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	9.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	2/28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	28.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	44.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	24.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	8.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 2. Liquid Levels and Percent Perforations Exposed

Well ID	PW-160	PW-161	PW-162	PW-163R	PW-164	PW-165	PW-166	PW-167R	PW-168(M)	PW-169	PW-170	PW-171	PW-172	PW-173	PW-174	PW-175	PW-176	PW-177
Total Constructed Casing Length (ft)	119	117	102	100	117	117	122	80	93	61	40	47	117	114	105	80	77	44
Total Constructed Perforated Pipe Length (ft)	97	95	80	75	97	97	95	58	68	15	18	22	92	90	80	58	55	24
<b>December 2010</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12/17	N/A	N/A	N/A	N/A	N/A	N/A	12/17	12/17	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	42.1	N/A	N/A	N/A	N/A	N/A	N/A	37.6	46.6	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	75.7	N/A	N/A	N/A	N/A	N/A	N/A	99.7	62.2	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	53.7	N/A	N/A	N/A	N/A	N/A	N/A	74.7	40.2	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.1	N/A	N/A	N/A	N/A	N/A	N/A	12.6	24.6	N/A	N/A
<b>January 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1/20	N/A	N/A	N/A	N/A	N/A	N/A	1/20	1/20	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	25.2	N/A	N/A	N/A	N/A	N/A	N/A	34.7	27.6	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	75.4	N/A	N/A	N/A	N/A	N/A	N/A	99.6	62.0	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	53.4	N/A	N/A	N/A	N/A	N/A	N/A	74.6	40.0	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.2	N/A	N/A	N/A	N/A	N/A	N/A	9.7	5.6	N/A	N/A
<b>February 2011</b>																		
Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2/28	N/A	N/A	N/A	N/A	N/A	N/A	2/28	2/28	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	34.5	N/A	N/A	N/A	N/A	N/A	N/A	21.4	36.8	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	41.9	N/A	N/A	N/A	N/A	N/A	N/A	99.7	55.8	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19.9	N/A	N/A	N/A	N/A	N/A	N/A	74.7	33.8	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.5	N/A	N/A	N/A	N/A	N/A	N/A	0	14.8	N/A	N/A
Well ID	PW-178	PW-179	PW-180	PW-181	PW-182	PW-307	PW-358	PW-361	PW-362B	PW-363	PW-364	PW-366	PW-367	PW-368	PW-369	Q1R	S1R	T1R
Total Constructed Casing Length (ft)	34	61	93	85	42	64	62	104	78	82	82	39	53	47	38	54	125	125
Total Constructed Perforated Pipe Length (ft)	14	36	68	60	17	42	38	80	53	58	58	25	39	33	24	30	100	100
<b>December 2010</b>																		
Date	N/A	N/A	N/A	12/17	N/A	N/A	12/17	N/A	12/17	12/17	12/17	N/A	12/17	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	62.2	N/A	N/A	52.5	N/A	57.3	49.7	40.3	N/A	40.0	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	75.6	N/A	N/A	64.3	N/A	77.8	80.4	79.6	N/A	51.9	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	50.6	N/A	N/A	40.3	N/A	52.8	56.4	55.6	N/A	37.9	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	37.2	N/A	N/A	28.5	N/A	32.3	25.7	16.3	N/A	26	N/A	N/A	N/A	N/A	N/A
<b>January 2011</b>																		
Date	N/A	N/A	N/A	1/20	N/A	N/A	1/20	N/A	1/20	1/20	1/20	N/A	1/20	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	24.9	N/A	N/A	55.0	N/A	58.0	49.6	38.8	N/A	25.1	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	74.9	N/A	N/A	63.9	N/A	77.6	80.2	79.5	N/A	51.7	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	49.9	N/A	N/A	39.9	N/A	52.6	56.2	55.5	N/A	37.7	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	0	N/A	N/A	31	N/A	33	25.6	14.8	N/A	11.1	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>																		
Date	N/A	N/A	N/A	2/28	N/A	N/A	2/28	N/A	2/28	2/28	2/28	N/A	2/28	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	65.7	N/A	N/A	25.7	N/A	58.8	37.1	34.7	N/A	22.1	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	75.0	N/A	N/A	64.1	N/A	77.7	80.3	79.6	N/A	51.6	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	50.0	N/A	N/A	40.1	N/A	52.7	56.3	55.6	N/A	37.6	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	40.7	N/A	N/A	1.7	N/A	33.8	13.1	10.7	N/A	8.1	N/A	N/A	N/A	N/A	N/A

Table 2. Liquid Levels and Percent Perforations Exposed

Well ID	U1R	W-1R	W1R(2)	W-2R(M)	W-3	W-4	W-5	W-7	W-8	W-9	W-10	W-11	W-12R	W-13R	W-31R	W-32R	W-33	W-34
Total Constructed Casing Length (ft)	113	46	72	85	33	37	35	38	34	36	103	119	43	43	92	54	52	81
Total Constructed Perforated Pipe Length (ft)	88	20	48	65	12	16	13	14	15	18	85	94	21	21	72	29	34	43
<b>December 2010</b>																		
Date	N/A	12/17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	33.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	42.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	16.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	7.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>January 2011</b>																		
Date	N/A	1/20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	20.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	41.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	15.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>																		
Date	N/A	2/28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	19.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	41.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	15.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Well ID	W-35	W-36	W-37	W-38	W-39	W-42R(2)	W-56R(3)	W-58R	W-59	W-60	W-68	W-69R
Total Constructed Casing Length (ft)	64	70	79	79	81	100	88	82	108	110	79	47
Total Constructed Perforated Pipe Length (ft)	46	35	62	57	62	75	64	58	71	79	44	21
<b>December 2010</b>												
Date	N/A	N/A	N/A	N/A	N/A	N/A	12/17	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	48.1	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	82.7	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	58.7	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	24.1	N/A	N/A	N/A	N/A	N/A
<b>January 2011</b>												
Date	N/A	N/A	N/A	N/A	N/A	N/A	1/20	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	32.9	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	82.5	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	58.5	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	8.9	N/A	N/A	N/A	N/A	N/A
<b>February 2011</b>												
Date	N/A	N/A	N/A	N/A	N/A	N/A	2/28	N/A	N/A	N/A	N/A	N/A
Depth To Fluid (ft)	N/A	N/A	N/A	N/A	N/A	N/A	34.1	N/A	N/A	N/A	N/A	N/A
Measured Depth to Bottom (ft)	N/A	N/A	N/A	N/A	N/A	N/A	82.4	N/A	N/A	N/A	N/A	N/A
Potential Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	58.4	N/A	N/A	N/A	N/A	N/A
Actual Exposed Perforations (ft)	N/A	N/A	N/A	N/A	N/A	N/A	10.1	N/A	N/A	N/A	N/A	N/A

**Notes:**

Based upon discussions during the Team Countywide meeting on April 28, 2010, the table was revised to reflect potential exposed perforations (feet of constructed perforations above measured depth to bottom) and actual exposed perforations (potential exposed perforations minus measured thickness of liquid).

Table 3: West Slope Piezometer Readings

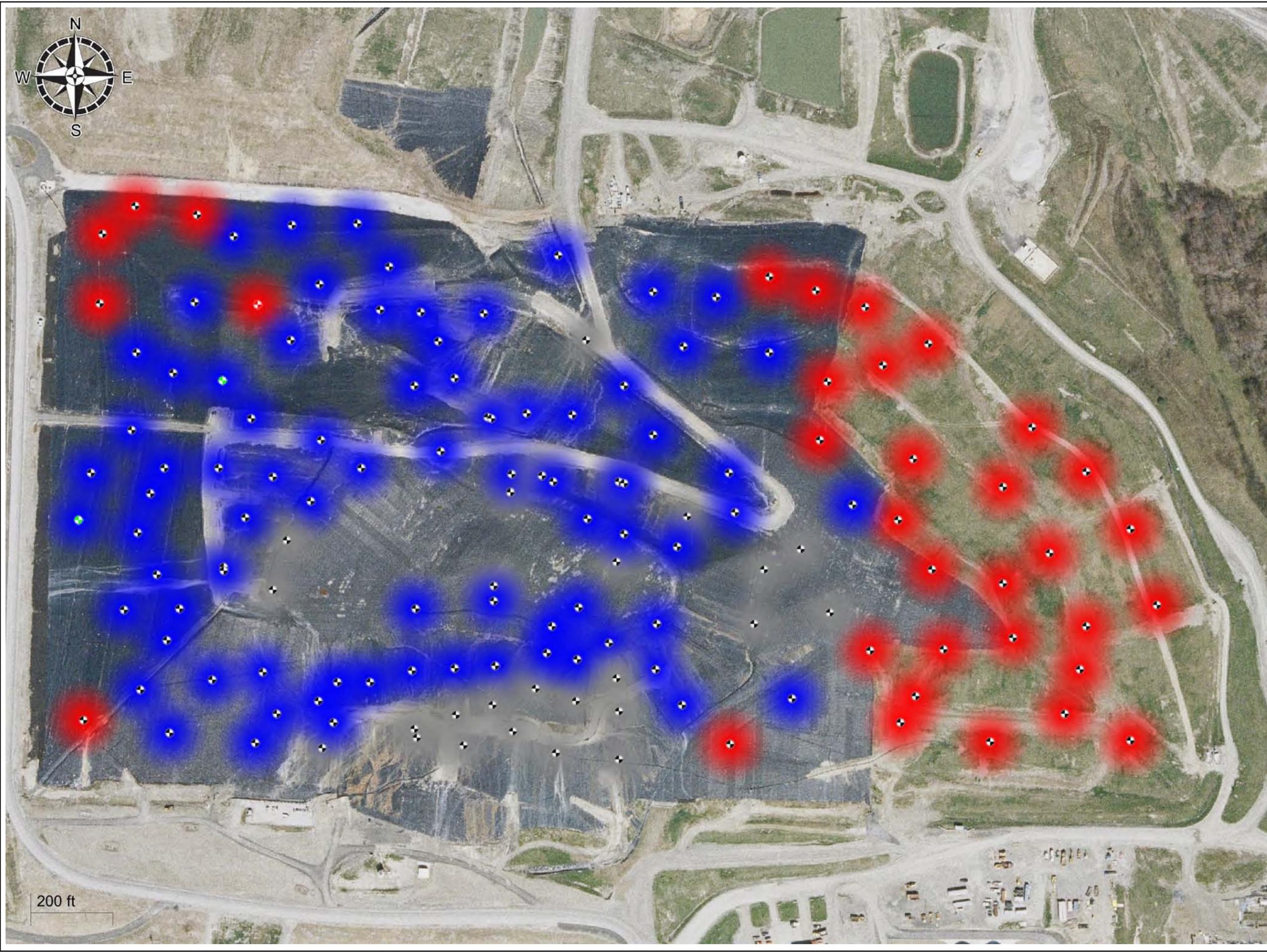
Installation Information		WBPZ-1 upper		WBPZ-1 lower		WBPZ-2 upper		WBPZ-3 upper		WBPZ-3 lower	
		Ground Elevation	1124.3	1124.3	1124.3	1135.8	1135.8	1145.7	1145.7	1145.7	1145.7
		Depth to Transducer	74.5	102.0	102.0	85.5	85.5	59.5	59.5	84.5	84.5
		Elevation of Transducer	1049.8	1022.3	1022.3	1050.3	1050.3	1086.2	1086.2	1061.2	1061.2
		Total Head (ft)	Pore Pressure (ft H <sub>2</sub> O)	Total Head (ft)	Pore Pressure (ft H <sub>2</sub> O)	Total Head (ft)	Pore Pressure (ft H <sub>2</sub> O)	Total Head (ft)	Pore Pressure (ft H <sub>2</sub> O)	Total Head (ft)	Pore Pressure (ft H <sub>2</sub> O)
"Apparent" Piezometric Surface (see Note 1)	10/16/2009	1050.1	0.34	< 1022.3	-0.01	< 1050.3	-0.05	< 1086.2	-0.24	1062.7	1.50
	11/2/2009	1050.0	0.17	< 1022.3	-0.45	< 1050.3	-0.21	< 1086.2	-0.42	1061.4	0.17
	12/1/2009	1050.2	0.39	< 1022.3	-0.49	< 1050.3	-0.27	< 1086.2	-0.52	1061.3	0.08
	1/6/2010	1049.8	0.00	< 1022.3	-0.65	< 1050.3	-0.42	< 1086.2	-0.65	< 1061.2	-0.36
	2/1/2010	< 1049.8	-0.04	< 1022.3	-0.70	< 1050.3	-0.48	< 1086.2	-0.70	< 1061.2	-0.67
	3/4/2010	1049.9	0.14	< 1022.3	-0.51	< 1050.3	-0.31	< 1086.2	-0.54	< 1061.2	-0.49
	4/8/2010	1050.1	0.33	< 1022.3	-0.35	< 1050.3	-0.14	< 1086.2	-0.35	< 1061.2	-0.39
	5/6/2010	< 1049.8	-0.15	< 1022.3	-0.80	< 1050.3	-0.62	< 1086.2	-0.81	< 1061.2	-0.75
	6/2/2010	1049.9	0.07	< 1022.3	-0.54	< 1050.3	-0.35	< 1086.2	-0.63	< 1061.2	-0.60
	7/2/2010	< 1049.8	-0.05	< 1022.3	-0.77	< 1050.3	-0.57	< 1086.2	-0.73	< 1061.2	-0.67
	8/2/2010	< 1049.8	-0.04	< 1022.3	-0.75	< 1050.3	-0.57	< 1086.2	-0.71	< 1061.2	-0.65
	9/2/2010	< 1049.8	-0.04	< 1022.3	-0.75	< 1050.3	-0.57	< 1086.2	-0.72	< 1061.2	-0.67
	10/1/2010	< 1049.8	-0.13	< 1022.3	-0.82	< 1050.3	-0.67	< 1086.2	-0.78	< 1061.2	-0.67
	11/1/2010	< 1049.8	-0.16	< 1022.3	-0.9	< 1050.3	-0.69	< 1086.2	-0.82	< 1061.2	-0.7
	12/2/2010	< 1049.8	-0.24	< 1022.3	-0.90	< 1050.3	-0.82	< 1086.2	-0.94	< 1061.2	-0.74
	1/1/2011	1049.9	0.08	< 1022.3	-0.65	< 1050.3	-0.49	< 1086.2	-0.61	< 1061.2	-0.60
	2/3/2011	< 1049.8	-0.38	< 1022.3	-1.02	< 1050.3	-0.96	< 1086.2	-1.09	< 1061.2	-0.08
3/1/2011	< 1049.8	-0.42	< 1022.3	-1.04	< 1050.3	-1.01	< 1086.2	-1.13	< 1061.2	-0.08	
Trigger Elevations (see Note 2)	For F.S. < 1.5	Note 3		1048.0		1081.0		Note 3		1095.0	
	For F.S. < 1.2	Note 3		1102.0		1120.0		Note 3		1116.0	

Notes:

1. The piezometric surface is present at, or below, the elevation provided in ft.-MSL. The number in parentheses represents the water column pressure exerted on the transducer--a zero or negative pressure indicates non-saturated conditions causing soil suction
2. If the apparent piezometric surface rises above this elevation, the trigger has occurred
3. This is a redundant installation that can be used in event of failure of the corresponding lower transducer.

## **Attachment 3**

### **Figures**



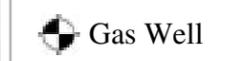
**Figure 1**  
**Average Methane to Carbon Dioxide Ratio**  
 Countywide Recycling and Disposal Facility  
 3619 Gracemont St. S.W.  
 East Sparta, Ohio

Operation, Monitoring and Maintenance (OM&M) Plan  
 Monthly Report

**Color Legend**



**Symbol Legend**



*(Red symbol denotes rise in value category from previous reporting period.)*  
*(Green symbol denotes decrease in value category from previous reporting period.)*

A radius influence of 100 feet is assumed at each device.

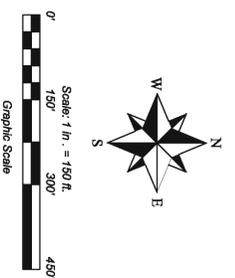
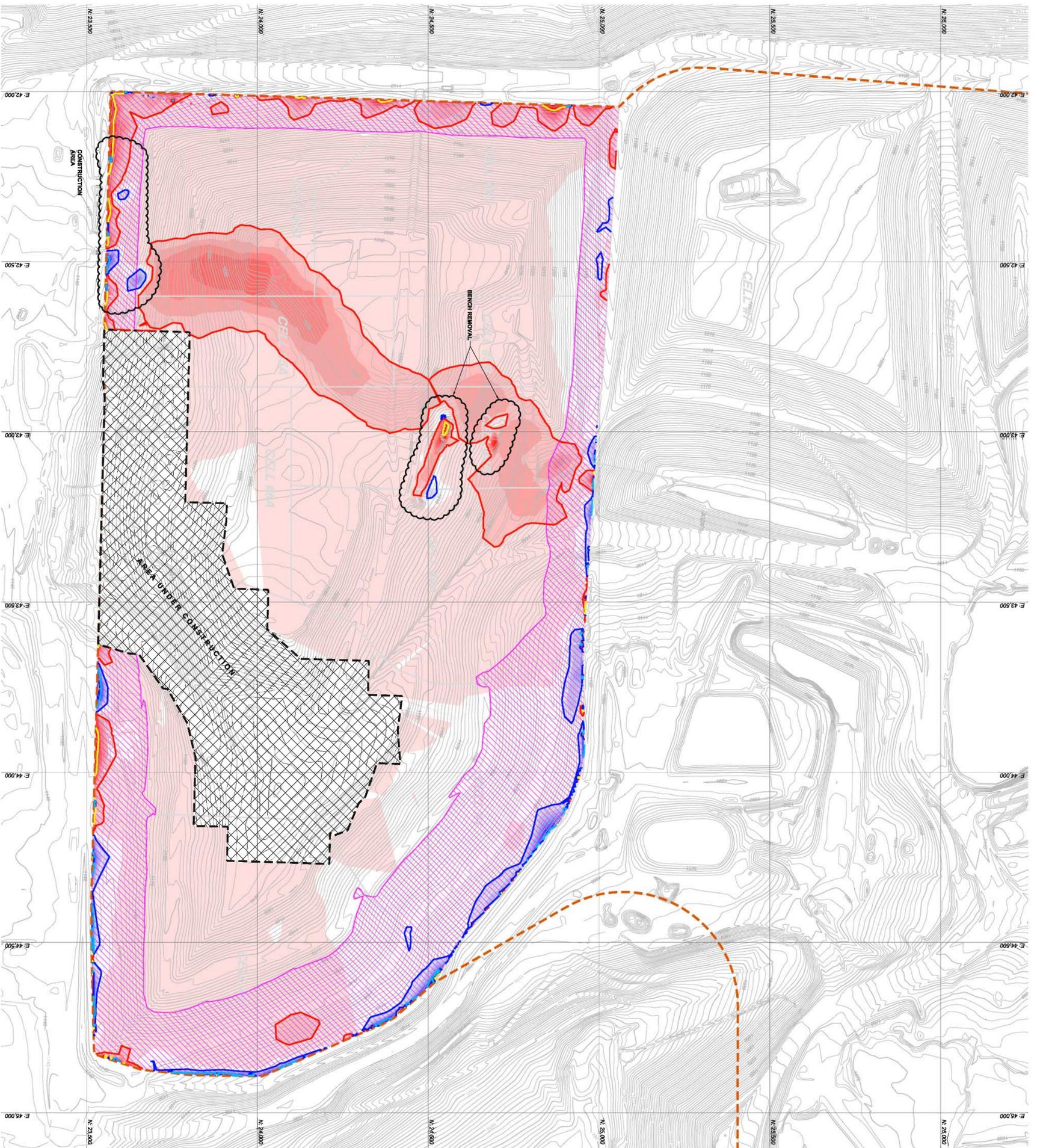
Reporting Period: February, 2011

Map Generated On: 03/03/2011

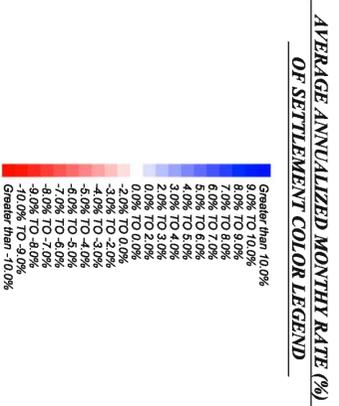


200 ft





- LEGEND:**
- 1:20 — EXISTING CONTOUR (AERIAL MAPPING 4/12/10), CTR INT. = 2'  
(SHOWN FOR REFERENCE ONLY)
  - — — — — % RATE OF SETTLEMENT LIMIT
  - — — — — >10% RATE OF SETTLEMENT LIMIT
  - — — — — 2% RATE OF RISE IN ELEVATION
  - — — — — >10% RATE OF RISE IN ELEVATION
  - — — — — ≤ 60% OF WASTE DEPTH



**GENERAL NOTE:**  
THIS MAP REPRESENTS THE AVERAGE ANNUALIZED MONTHLY SETTLEMENT FOR THE TIME PERIOD FROM OCTOBER 2010 THRU FEBRUARY 2011.

**COUNTYWIDE RDF**  
PROJECT: 88 Ac. REMEDIATION UNIT  
SHEET TITLE: AVERAGE ANNUALIZED MONTHLY SETTLEMENT (OCTOBER 2010 - FEBRUARY 2011)

**Diversified Engineering Inc.**  
CONSULTING ENGINEERS & SURVEYORS  
225 FAIR AVENUE, N.E.  
NEW PHILADELPHIA, OH 44663  
Phone: (330) 364-1631  
Fax: (330) 364-4311  
e-mail: doe@div-eng.com

ISSUE DATE	03/02/11	SCALE	1" = 150'	CTR INT.	2'	
SURVEYED BY	MO/AG	CHECKED BY	CCV			
DRAWN BY	BWS	APPROVED BY	CRB			
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY



**Figure 3**  
**Average Wellhead Temperature**  
Countywide Recycling and Disposal Facility  
3619 Gracemont St. S.W.  
East Sparta, Ohio

Operon, Monitoring and Maintenance (OM&M) Plan  
Monthly Report

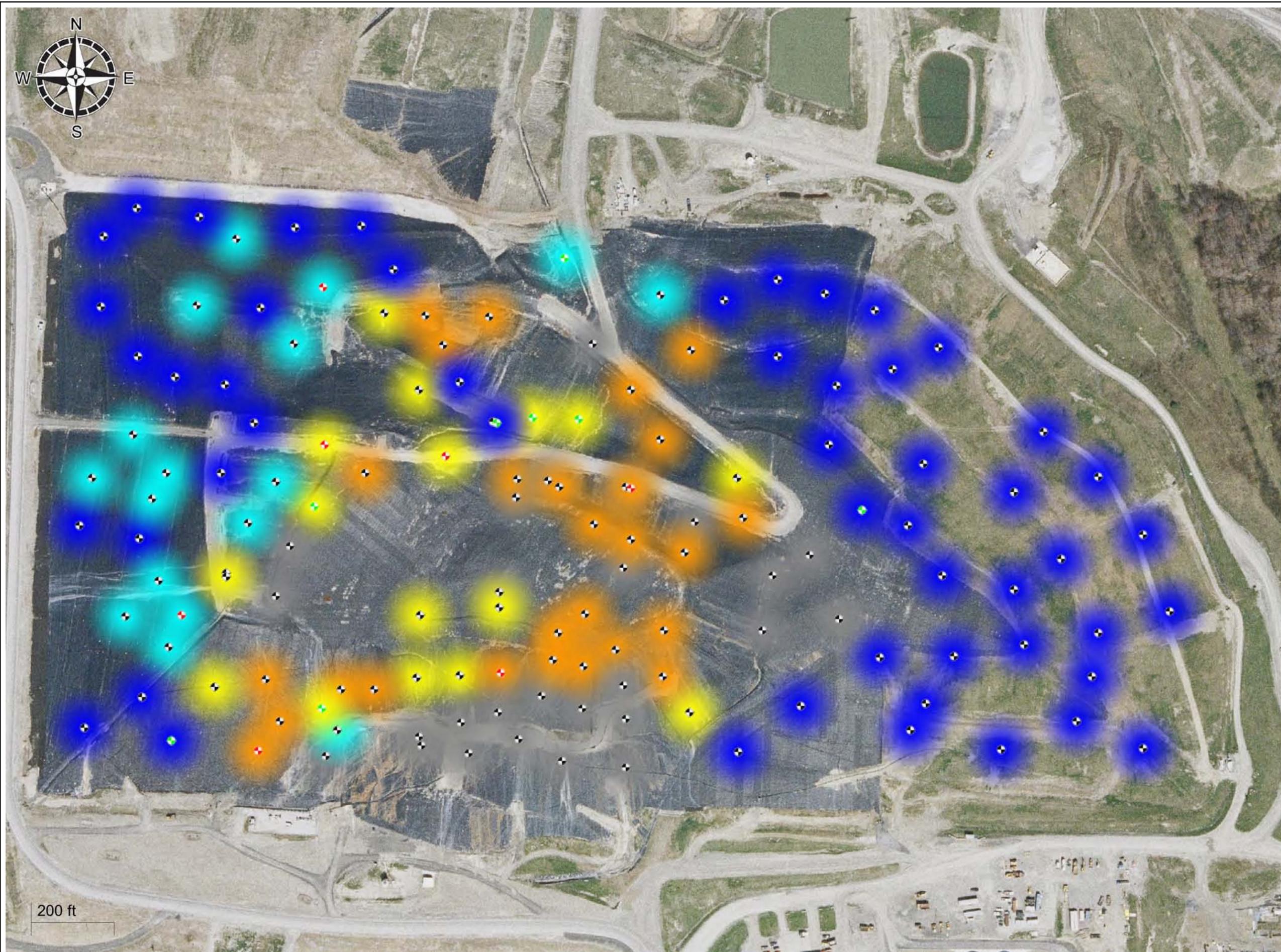
**Color Legend (deg F)**

- < 131
- 131 < 150
- 150 < 180
- 180 < 210
- > 210

**Symbol Legend**

 Gas Well

*(Red symbol denotes rise in value category from previous reporting period.)*  
*(Green symbol denotes decrease in value category from previous reporting period.)*



200 ft

A radius influence of 100 feet is assumed at each device.

Reporting Period: February, 2011

Map Generated On: 03/03/2011



SANBORN HEAD  
LANDFILL GAS MANAGEMENT SUITE™



### Figure 4 Carbon Monoxide Distribution

Countywide Recycling  
and Disposal Facility  
3619 Gracemont St. S.W.  
East Sparta, Ohio

Operation, Monitoring and Maintenance (OM&M) Plan  
Monthly Report

#### Color Legend (ppm)

< 100
100 < 500
500 < 1000
1000 < 2000
> 2000

#### Symbol Legend

 Gas Well

*(Red symbol denotes rise  
in value category from  
previous reporting period.)  
(Green symbol denotes de-  
crease in value category from  
previous reporting period.)*

A radius influence of 100 feet  
is assumed at each device.

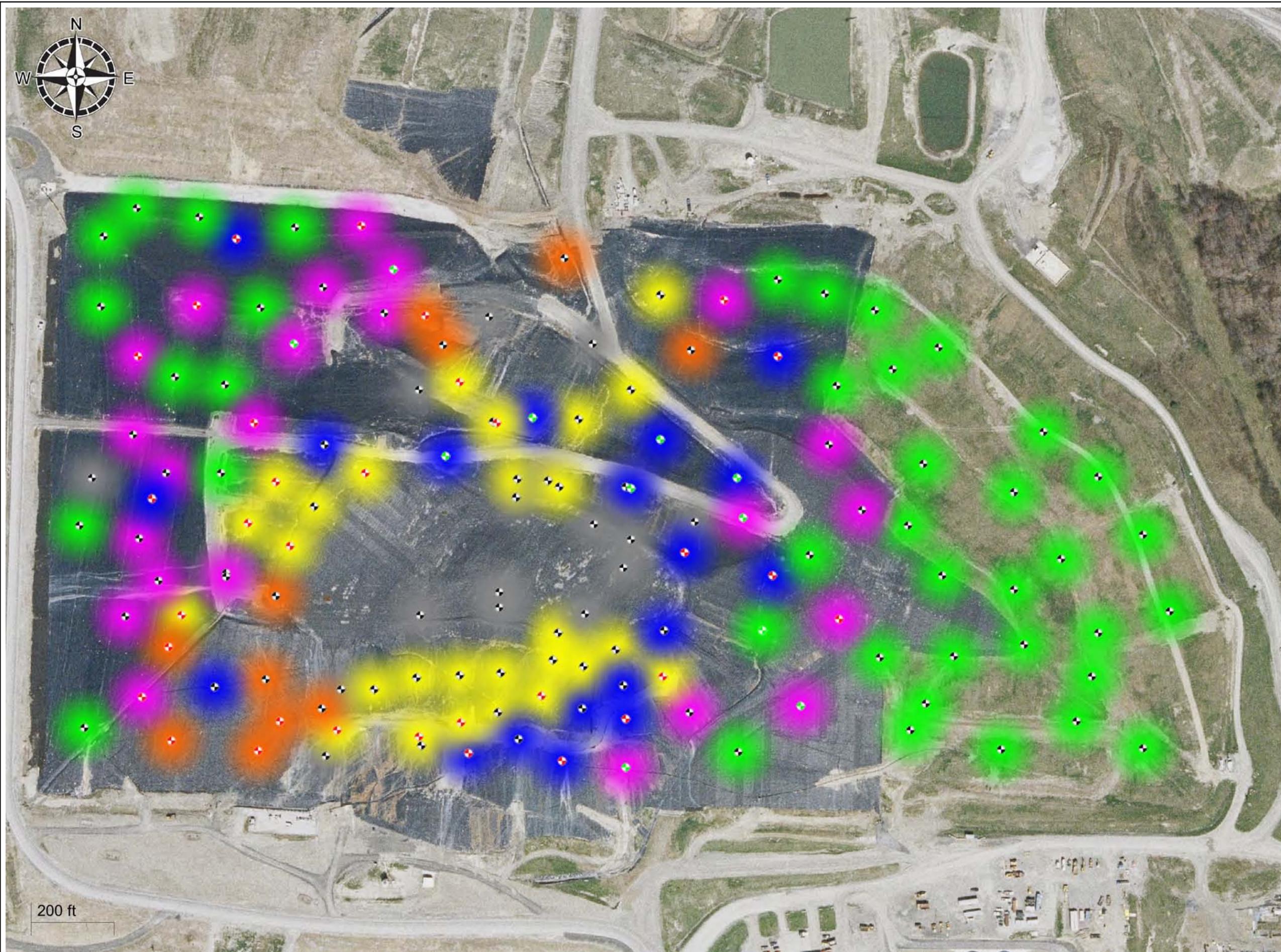
Reporting Period: August, 2010

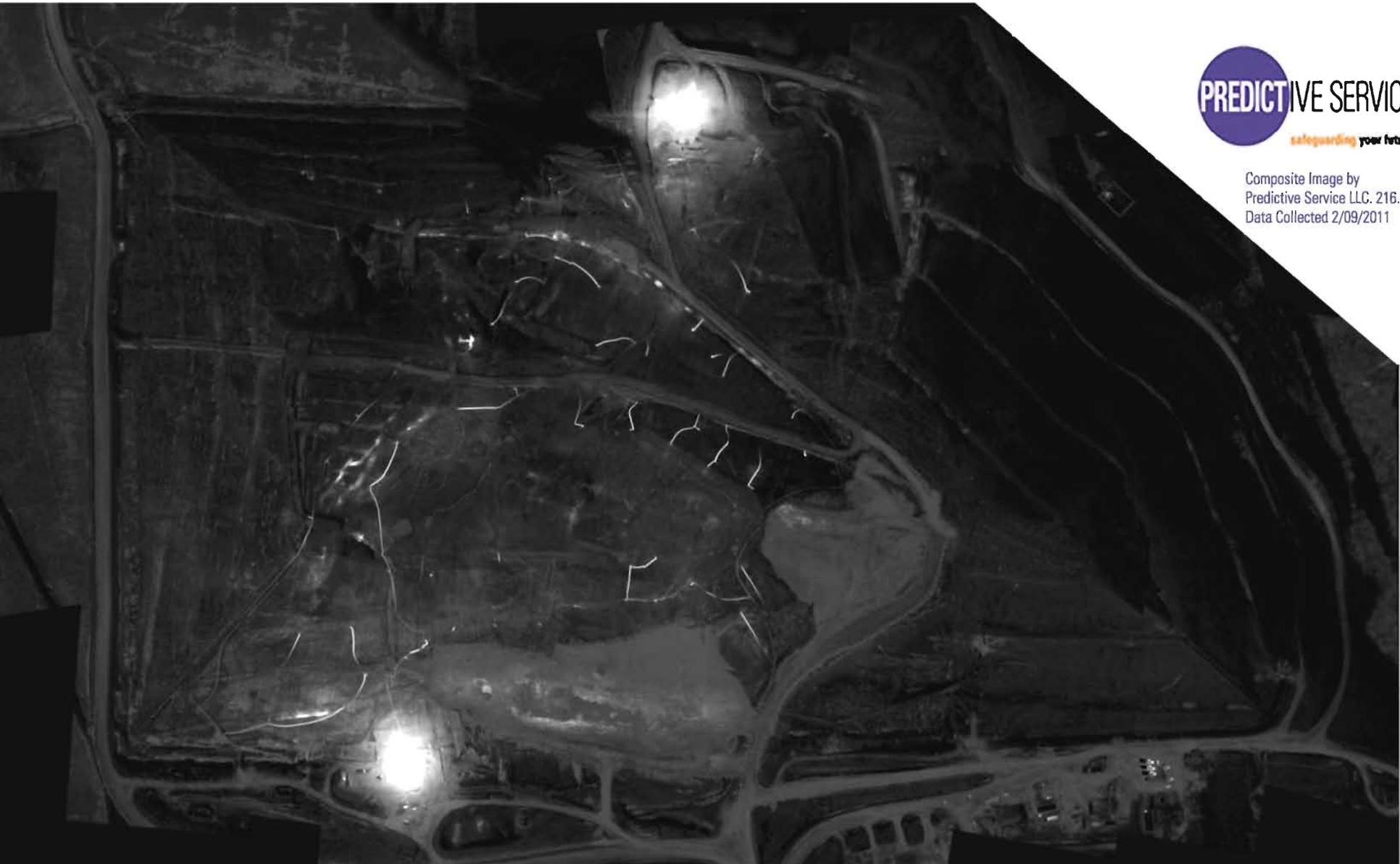
Map Generated On: 03/03/2011



SANBORN HEAD  
LANDFILL GAS MANAGEMENT SUITE™

200 ft

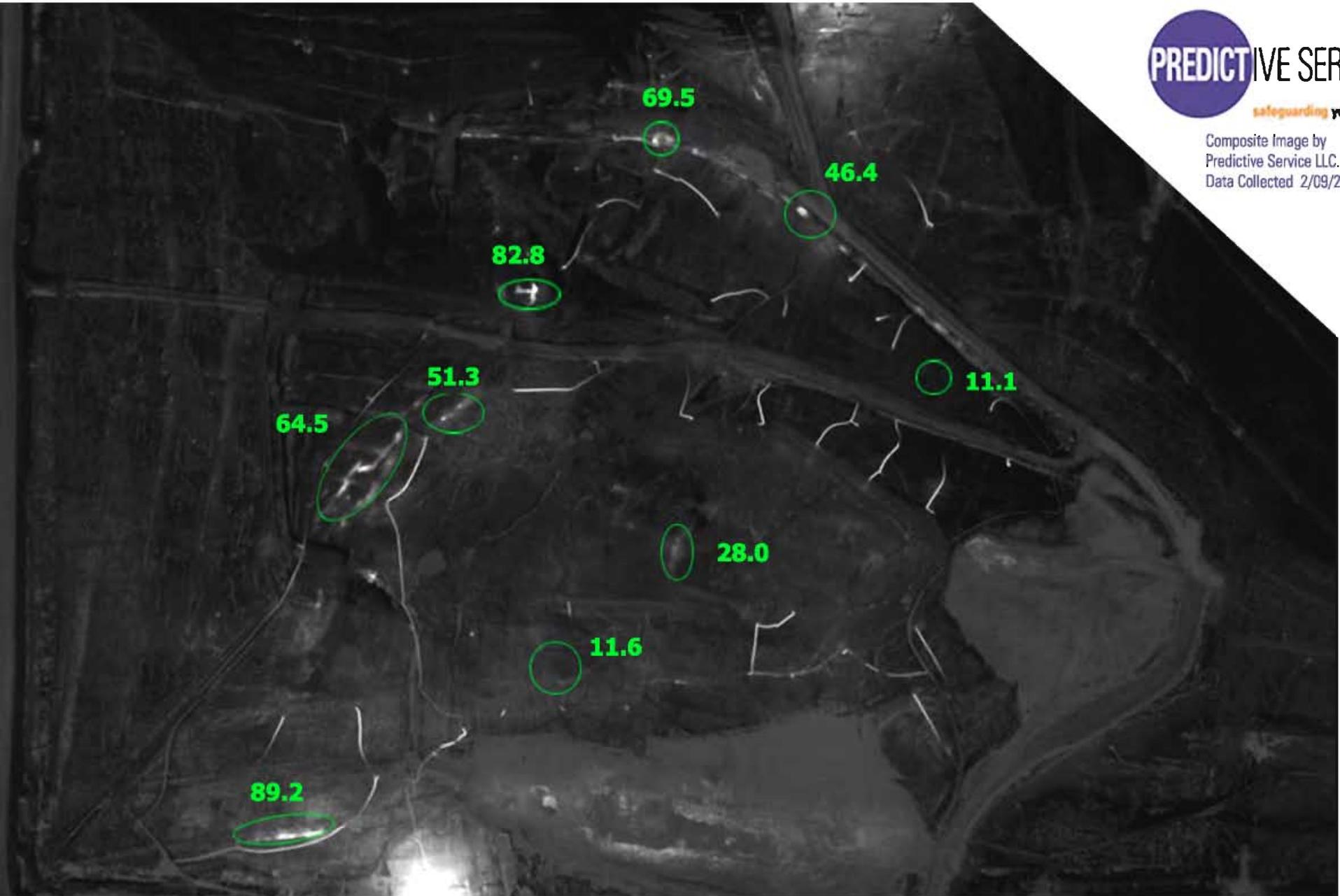


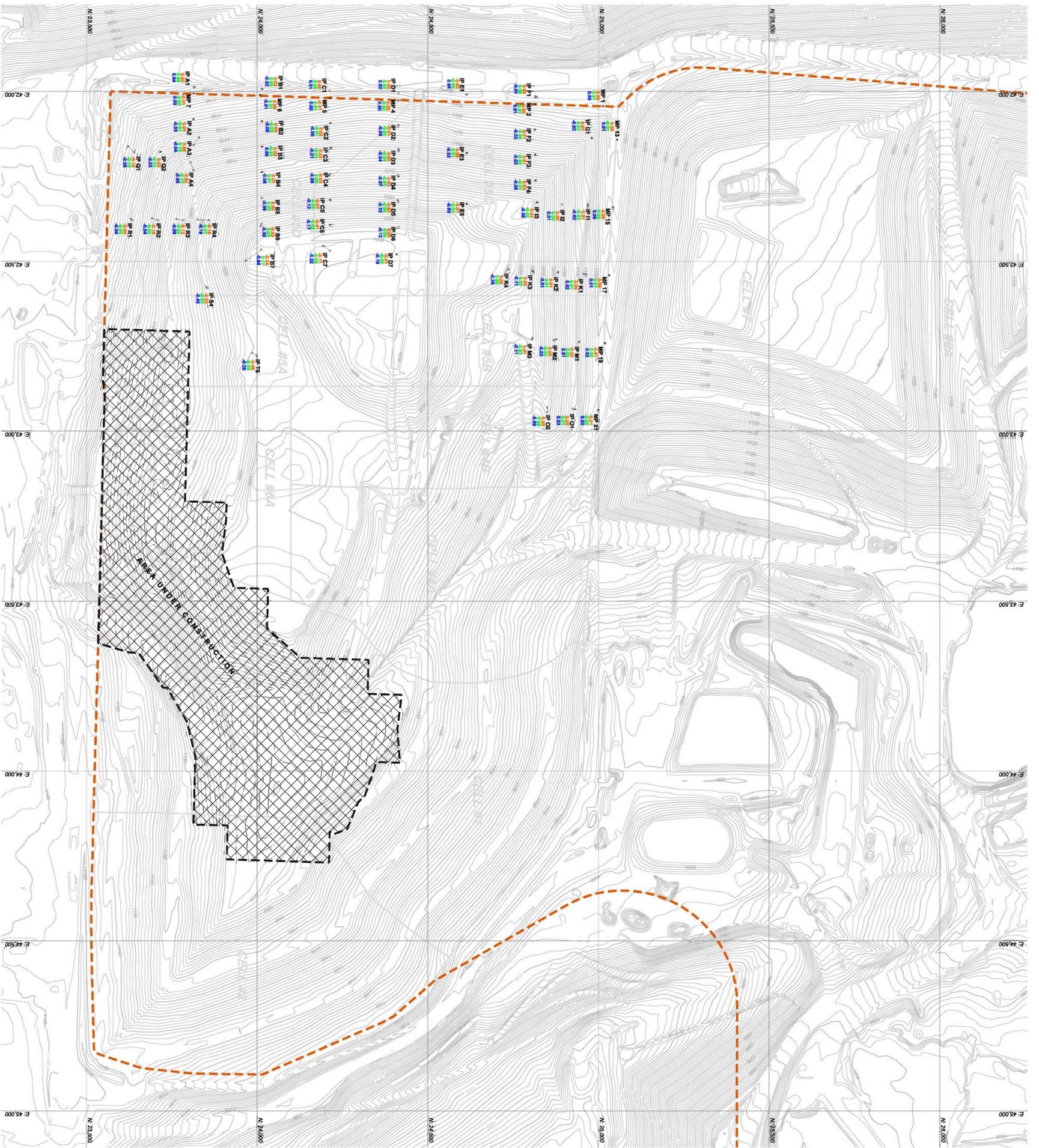


Composite Image by  
Predictive Service LLC. 216.378.3500  
Data Collected 2/09/2011



Composite Image by  
Predictive Service LLC. 216.378.3500  
Data Collected 2/09/2011



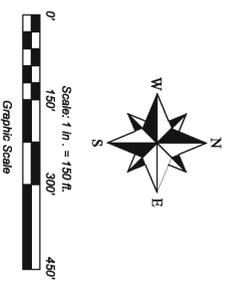


**LEGEND:**  
 -120- EXISTING CONTOUR (AERIAL MAPPING 4/12/10), CTR INT. = 2'  
 (SHOWN FOR REFERENCE ONLY)

**VECTOR LABELING CONVENTION:**

IP S2  
 CHANGE IN NORTHING (ft)  
 CHANGE IN EASTING (ft)  
 CHANGE IN ELEVATION (ft)

- GENERAL NOTES:**
- 1) SLOPE PIN MOVEMENT VECTORS WERE PROVIDED BY P.J. CAREY & ASSOCIATES, P.C.
  - 2) VECTORS DEMONSTRATE THE HORIZONTAL MOVEMENT BETWEEN THE DATES OF 1/25/11 & 2/22/11.



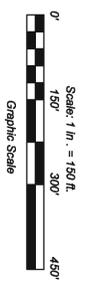
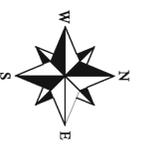
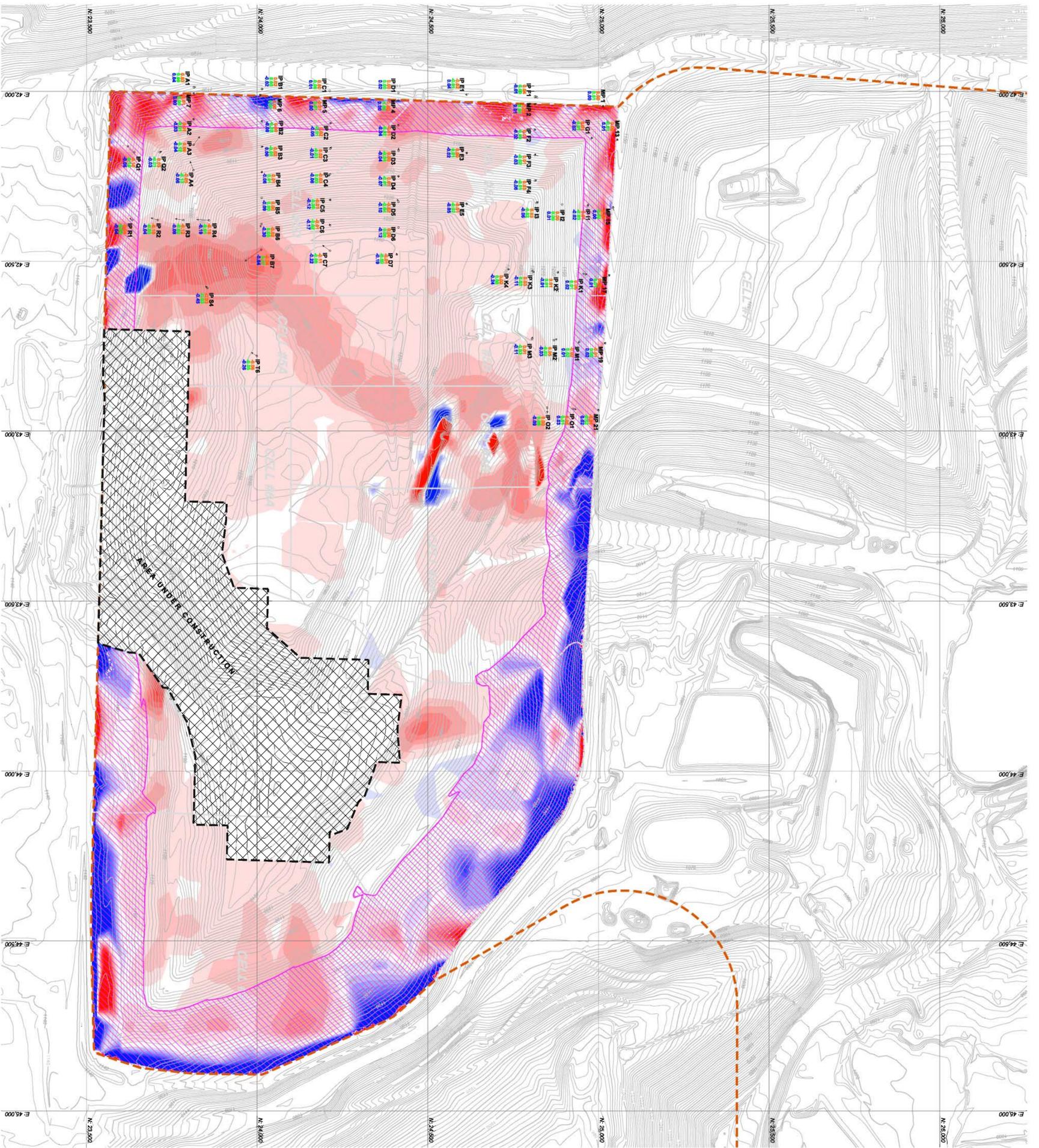
ISSUE DATE	03/04/11	SCALE	1" = 150'	CTR INT.	2'	
SURVEYED BY	MO/AG	CHECKED BY	CCV			
DRAWN BY	BWS	APPROVED BY	CRB			
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

**Diversified Engineering Inc.**  
 CONSULTING ENGINEERS & SURVEYORS  
 225 FAIR AVENUE, N.E.  
 NEW PHILADELPHIA, OH 44663  
 Phone: (330) 364-1631  
 Fax: (330) 364-1632  
 e-mail: deo@div-eng.com

**COUNTYWIDE RDF**

PROJECT: **88 Ac. REMEDIATION UNIT**

SHEET TITLE: **SLOPE PIN MOVEMENT VECTORS (FEBRUARY 2011)**



**LEGEND:**  
 -120-  
 EXISTING CONTOUR (AERIAL MAPPING 4/12/10), CTR INT. = 2'  
 (SHOWN FOR REFERENCE ONLY)  
 ≤ 60ft OF WASTE DEPTH

**ANNUALIZED RATE (%) OF SETTLEMENT**

**COLOR LEGEND**

- Greater than 10.0%
- 8.0% TO 9.0%
- 7.0% TO 8.0%
- 6.0% TO 7.0%
- 5.0% TO 6.0%
- 4.0% TO 5.0%
- 3.0% TO 4.0%
- 2.0% TO 3.0%
- 0.0% TO 2.0%
- 0.0% TO 0.0%
- 3.0% TO -2.0%
- 4.0% TO -3.0%
- 5.0% TO -4.0%
- 6.0% TO -5.0%
- 7.0% TO -6.0%
- 8.0% TO -7.0%
- 9.0% TO -8.0%
- 10.0% TO -9.0%
- Greater than -10.0%

**VECTOR LABELING CONVENTION:**

IP S2  
 CHANGE IN NORTHING (ft)  
 CHANGE IN EASTING (ft)  
 CHANGE IN ELEVATION (ft)

**GENERAL NOTES:**  
 1) SLOPE PIN MOVEMENT VECTORS WERE PROVIDED BY P.J. CAREY & ASSOCIATES, P.C.  
 2) VECTORS DEMONSTRATE THE HORIZONTAL MOVEMENT BETWEEN THE DATES OF 1/25/11 & 2/22/11.

ISSUE DATE	03/04/11	SCALE	1" = 150'	CTR INT.	2'	
SURVEYED BY	MO/AG	CHECKED BY	CCV			
DRAWN BY	BWS	APPROVED BY	CRB			
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

## **Attachment 4**

### **Pin Movement Evaluation**

March 2, 2011

Mr. Michael Darnell  
Division Manager  
Republic Services  
Countywide RDF  
3619 Gracemont Street, SW  
East Sparta, Ohio 44626

RE: Evaluation of Pin Movements  
Countywide Slopes  
February Period (1/25/11 – 2/22/11)

Dear Mike,

We have reviewed the pin survey data from the West and North Slopes at Countywide. The surveys during the February monitoring period (1/25/11 – 2/22/11) by Diversified Engineering, Inc. (DEI) were performed using optical survey methods for all pins (as of 10/5/2010).

The survey data has been presented in accordance with Section 6.5.4 of the Operation, Maintenance and Monitoring Plan, creating Figures 11 through 16 only for those points exceeding the trigger levels, as requested by Jerry Parker of the OH EPA. In addition, two vector plot maps that depict the horizontal pin movements for the monitoring period and since the onset of monitoring (October 6, 2009) are attached. Two tables which show the horizontal rate of movement for the monitoring period and elevation motion since the original monitoring survey (October 6, 2009) are attached after the aforementioned figures. Please note the at the reference elevation for pin IP-E1, IP-F1, MP-4 and MP-5 have been adjusted, as per the agreement with OH EPA. The baseline elevation of IP-F1 was re-established at the beginning of May 2010, MP-4 and MP-5 was re-established on November 30, 2010 and IP-E1 was re-established on February 22. This is noted on the vector plot depicting movements since the beginning of the monitoring and on the Change of Elevation table.

A review of the data shows:

- No pins exceeded the trigger rate of 0.05 ft per day of horizontal movement during the monitoring period.
- Monitoring pins IP-A1 and C-1 exceeded the vertical trigger of more than 0.05 ft of upward motion since inception of monitoring.

In accordance with the OH EPA, the change of northing, easting and elevation plots versus time are attached of pin movement for the A and C lines which includes the pins exceeding the vertical trigger. As can be seen on Figure 16 of each line plot, elevation

changes do not present any pattern with time. This is the same for their northing and easting changes. A vector plot along the profile of the A and C lines are also included. The profile plots do not indicate any changes in the ongoing trends since the inception of monitoring that would be indicative of any slope instability related behavior.

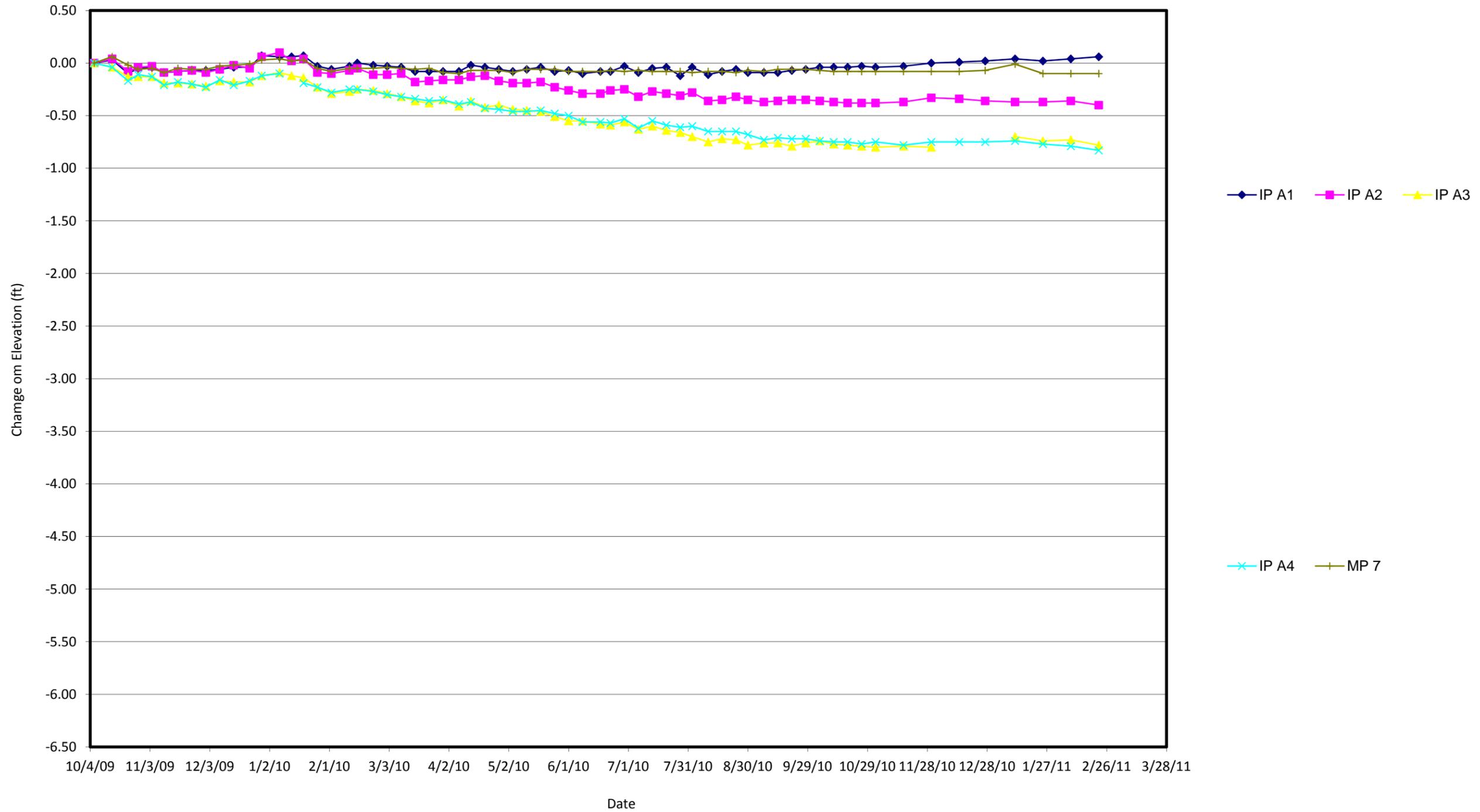
Based on the review of the data, no signs of instability are indicated. I hope this information is helpful to you. Please call if there are any questions.

Sincerely,



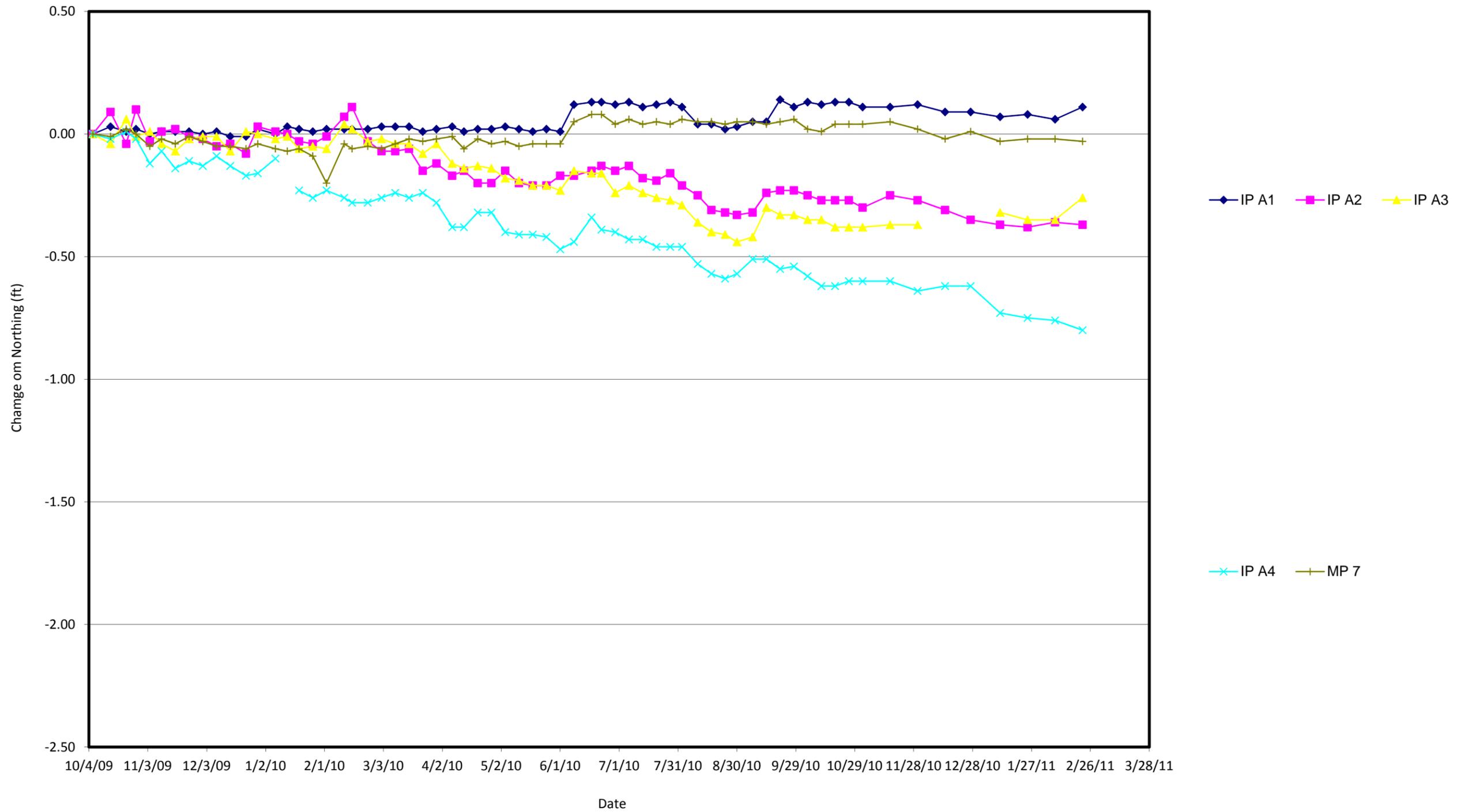
Peter J. Carey, PE  
President

Graph 16 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Elevation Change



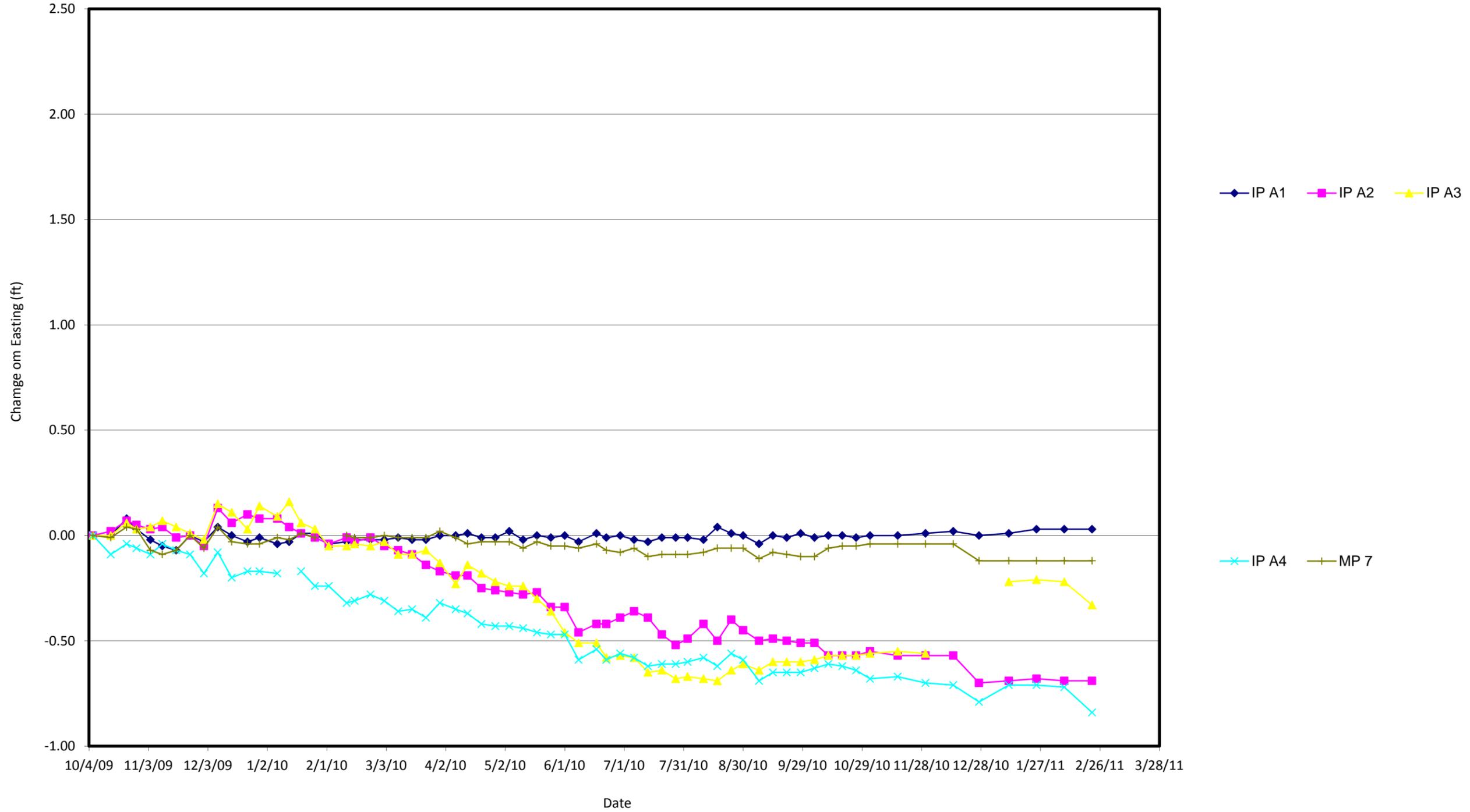
1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

Graph 14 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Northing Change



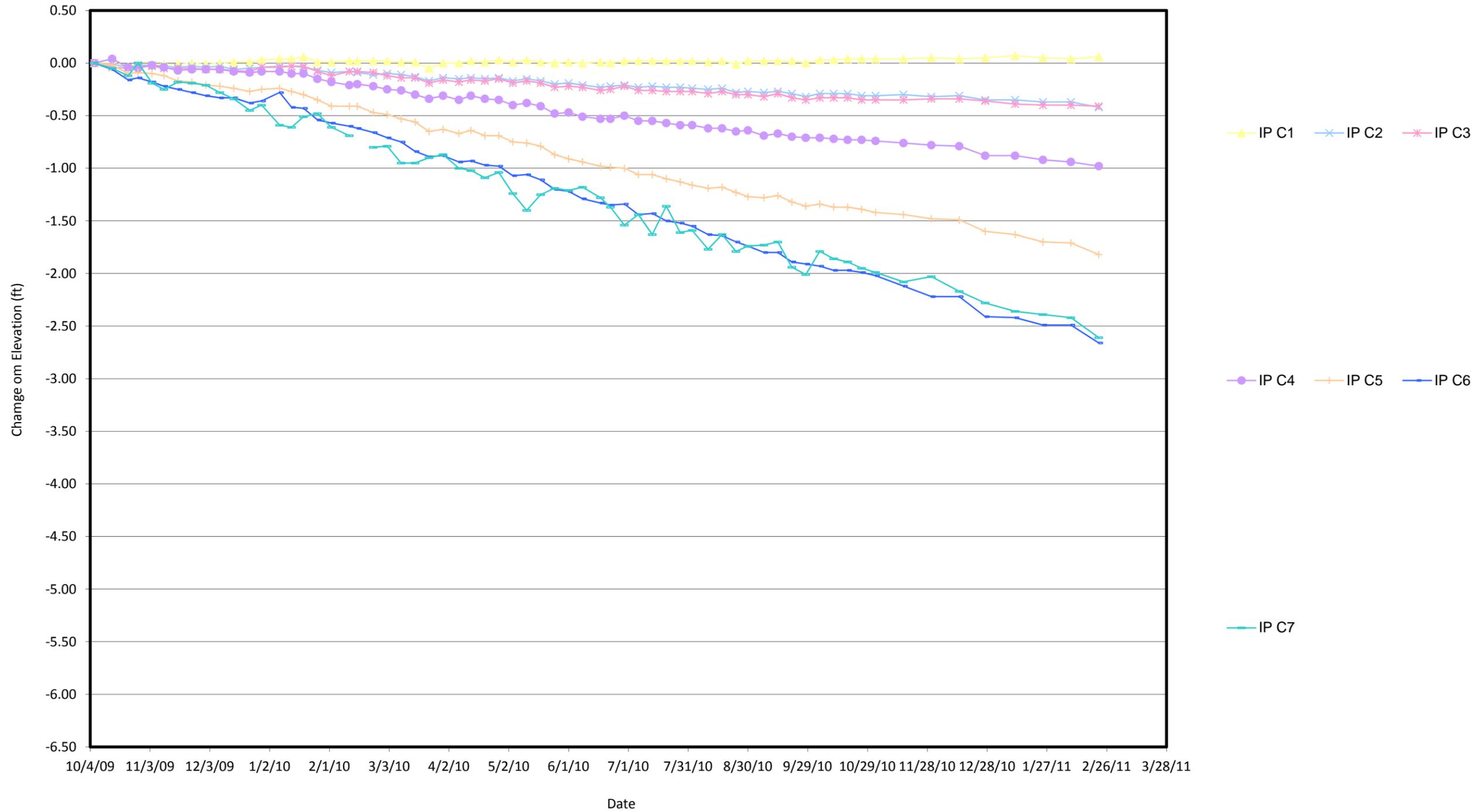
1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

Graph 15 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Easting Change



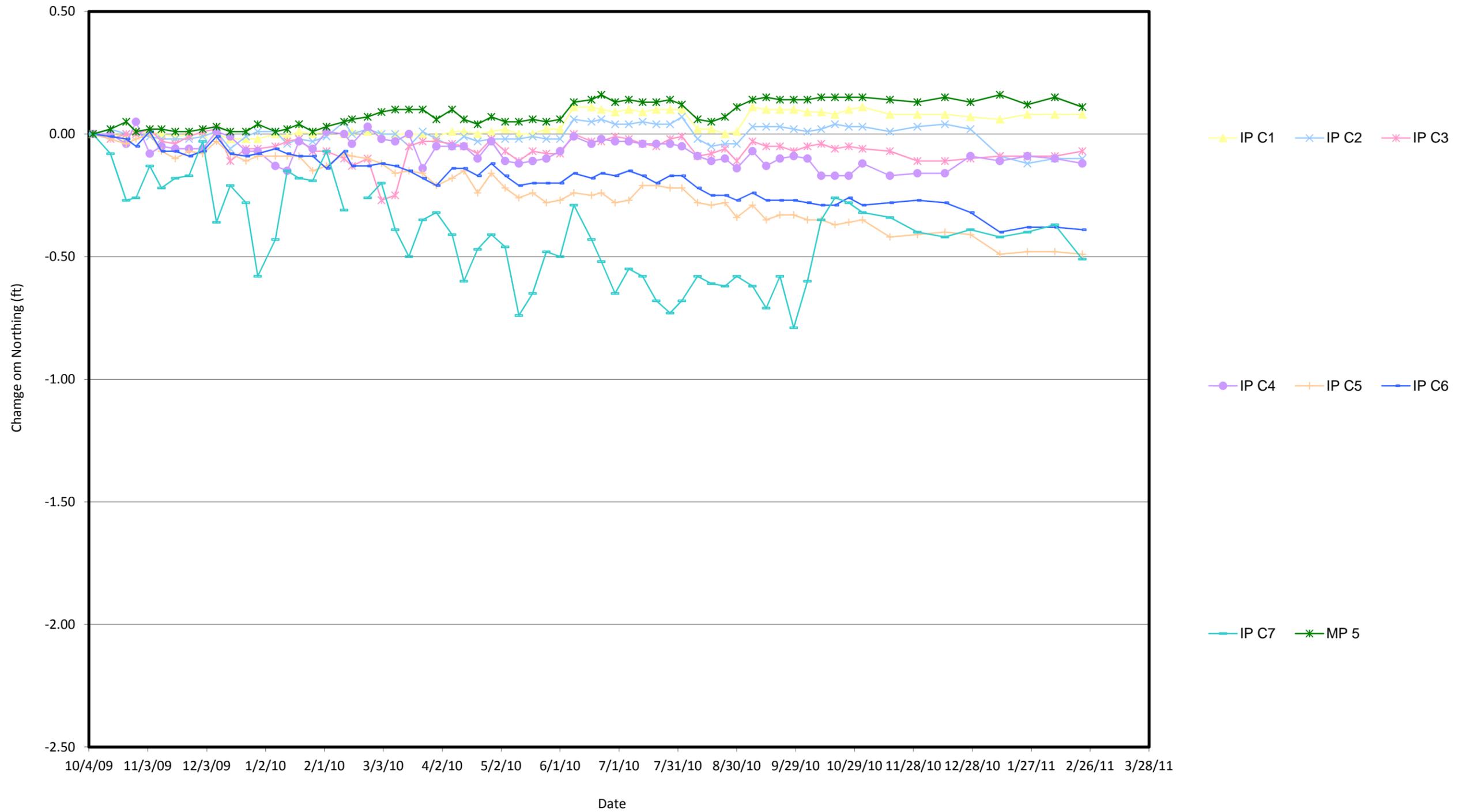
1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

Graph 16 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Elevation Change



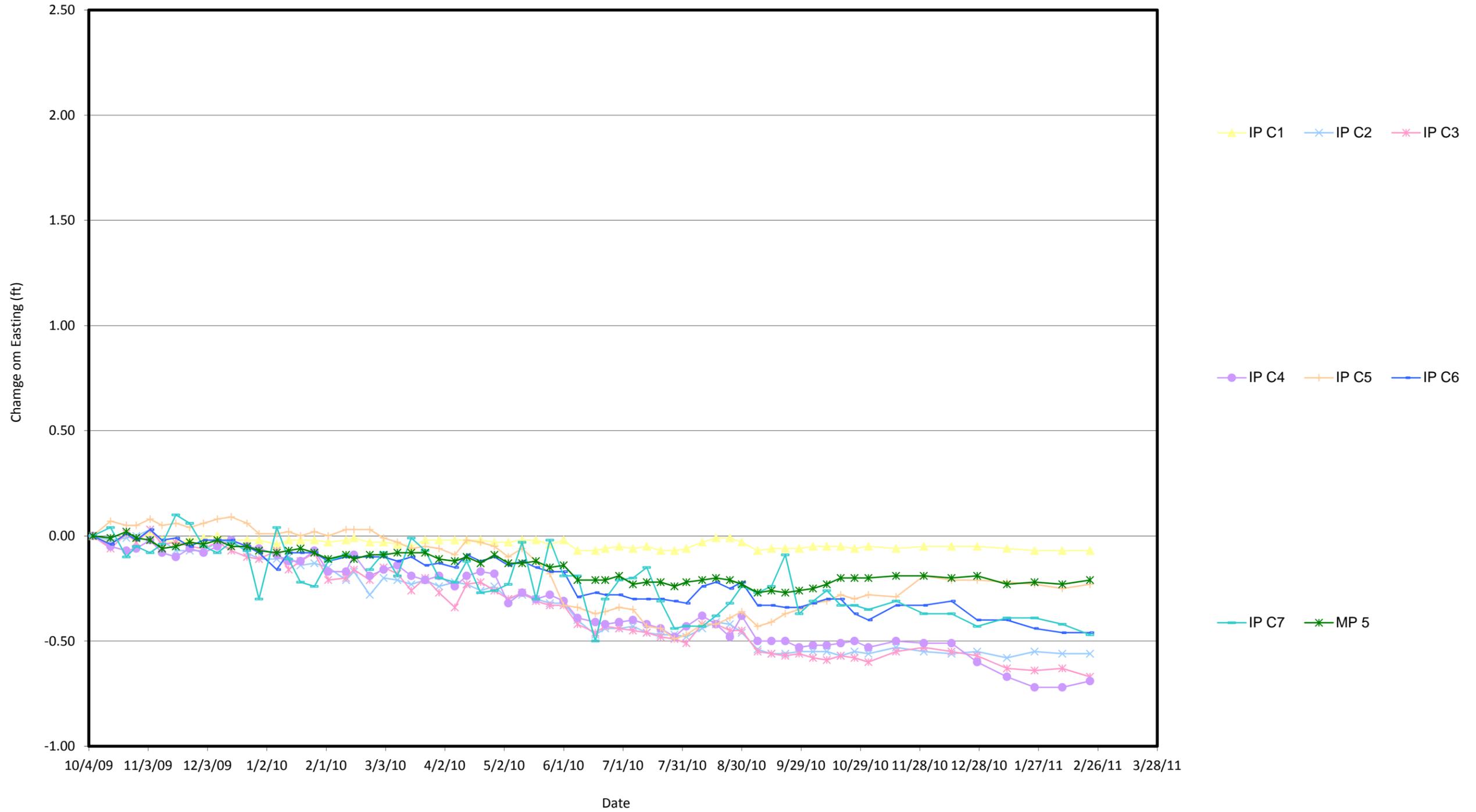
1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

Graph 14 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Northing Change



1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

Graph 15 - West Slope Pin Movement  
 For Pins that Exceeded a Trigger During Reporting Month  
 Easting Change



1. Data compiled by PJ Carey Associates, PC.  
 2. Survey provided by DEI beginning on October 5, 2009.

## HORIZONTAL RATE OF MOVEMENT (FT/DAY)

CALCULATED BASED ON PREVIOUS READING AT EACH POINT

ID	2/8/11	2/22/11
IP G1	0.0016	0.0016
IP I1	0.0016	0.00071
IP I2	0.0000	0.0000
IP I3	0.0026	0.0000
IP K1	0.0016	0.0043
IP K2	0.0016	0.0021
IP K3	0.00071	0.0026
IP K4	0.0023	0.0023
IP M1	0.0023	0.0010
IP M2	0.00071	0.0042
IP M3	0.0021	0.00071
IP O1	0.0000	0.0036
IP O2	0.00071	0.0064
MP 13	0.00071	0.0014
MP 15	0.00071	0.00071
MP 17	0.00071	0.0014
MP 19	0.0010	0.00071
MP 21	0.00071	0.0014
IP R1	0.0016	0.0020
IP R2	0.0023	0.0097
IP R3	0.0010	0.0079
IP R4	0.0021	0.011
IP S1		
IP S2		
IP S3		
IP S4	0.0046	0.0016
IP S5		
IP T1	0.0071	
IP T2		
IP T3		
IP T4		
IP T5		
IP T6	0.0084	0.0023
IP U1		
IP U2		
IP U3		
IP U4		
IP U5		
IP U6		
IP V1		
IP V2		
IP V3		
IP V4		
IP V5		
IP V6		
IP W1		
IP W2		
IP W3		
IP W4		
IP W5		
IP W6		

## HORIZONTAL RATE OF MOVEMENT (FT/DAY)

CALCULATED BASED ON PREVIOUS READING AT EACH POINT

ID	2/8/11	2/22/11
MP 10		
MP 11		
MP 12		
IP A1	0.0014	0.0036
IP A2	0.0016	0.00071
IP A3	0.00071	0.010
IP A4	0.0010	0.0090
IP B1	0.0021	0.00071
IP B2	0.0000	0.0014
IP B3	0.0020	0.0036
IP B4	0.0014	0.0010
IP B5	0.00071	0.00071
IP B6	0.0014	0.0036
IP B7*	0.009	0.01
IP C1	0.0000	0.0000
IP C2	0.0016	0.0000
IP C3	0.00071	0.0032
IP C4	0.00071	0.0026
IP C5	0.0014	0.0016
IP C6	0.0014	0.00071
IP C7*	0.003	0.01
IP D1	0.0016	0.0016
IP D2	0.0014	0.00071
IP D3	0.00071	0.0036
IP D4	0.0016	0.0016
IP D5	0.00071	0.0029
IP D6	0.0000	0.0000
IP D7*	0.003	0.002
IP E1	0.00071	0.0010
IP E2		
IP E3	0.0056	0.0016
IP E4		
IP E5	0.0000	0.0016
IP F1	0.0021	0.00071
IP F2	0.0016	0.0023
IP F3	0.00071	0.0020
IP F4	0.0000	0.0023
IP Q1	0.0014	0.0091
IP Q2	0.00071	0.0029
MP 1	0.0020	0.0016
MP 2	0.0000	0.0016
MP 3		
MP 4	0.0016	0.00071
MP 5	0.0023	0.0032
MP 6	0.0021	0.0023
MP 7	0.0000	0.00071
MP 8		
MP 9		

### Notes:

1. Data compiled by PJ Carey & Associates, PC.
2. Survey provided by DEI beginning on October 6, 2009.
3. Highlighted regions indicate pins which the horizontal rate of movement exceed the trigger value of 0.05 ft/day.
4. All pins are surveyed using optical methods except pins B7, C7, & D7, which were surveyed using GPS up until October 5, 2010. Since October 5, 2010 all pins are surveyed using optical methods.
5. Values reported are limited to their respective significant digit.

**CHANGE IN ELEVATION (FT)  
CALCULATED BASED ON ORIGINAL SURVEY DATE OF 10-06-09**

ID	2/8/11	2/22/11
IP G1	-0.88	-0.89
IP I1	-0.20	-0.21
IP I2	-0.33	-0.32
IP I3	-1.31	-1.36
IP K1	-0.03	-0.01
IP K2	-0.40	-0.42
IP K3	-1.62	-1.72
IP K4	-3.13	-3.40
IP M1	-0.04	-0.04
IP M2	-0.60	-0.64
IP M3	-1.63	-1.74
IP O1	-0.26	-0.24
IP O2	-1.66	-1.74
MP 13	0.00	0.01
MP 15	-0.01	0.00
MP 17	0.02	0.03
MP 19	0.00	0.01
MP 21	0.00	0.01
IP R1	-0.28	-0.35
IP R2	-0.39	-0.44
IP R3	-1.06	-1.15
IP R4	-1.72	-1.92
IP S1		
IP S2		
IP S3		
IP S4	-15.98	-16.21
IP S5		
IP T1	-0.82	
IP T2		
IP T3		
IP T4		
IP T5		
IP T6	-5.32	-5.46
IP U1		
IP U2		
IP U3		
IP U4		
IP U5		
IP U6		
IP V1		
IP V2		
IP V3		
IP V4		
IP V5		
IP V6		
IP W1		
IP W2		
IP W3		
IP W4		
IP W5		
IP W6		

1. Data compiled by PJ Carey Associates, PC.
2. Survey provided by DEI beginning on October 6, 2009.
3. Highlighted regions indicate points which there was a positive change greater than 0.05 ft in elevation since October 6, 2009.

**CHANGE IN ELEVATION (FT)  
CALCULATED BASED ON ORIGINAL SURVEY DATE OF 10-06-09**

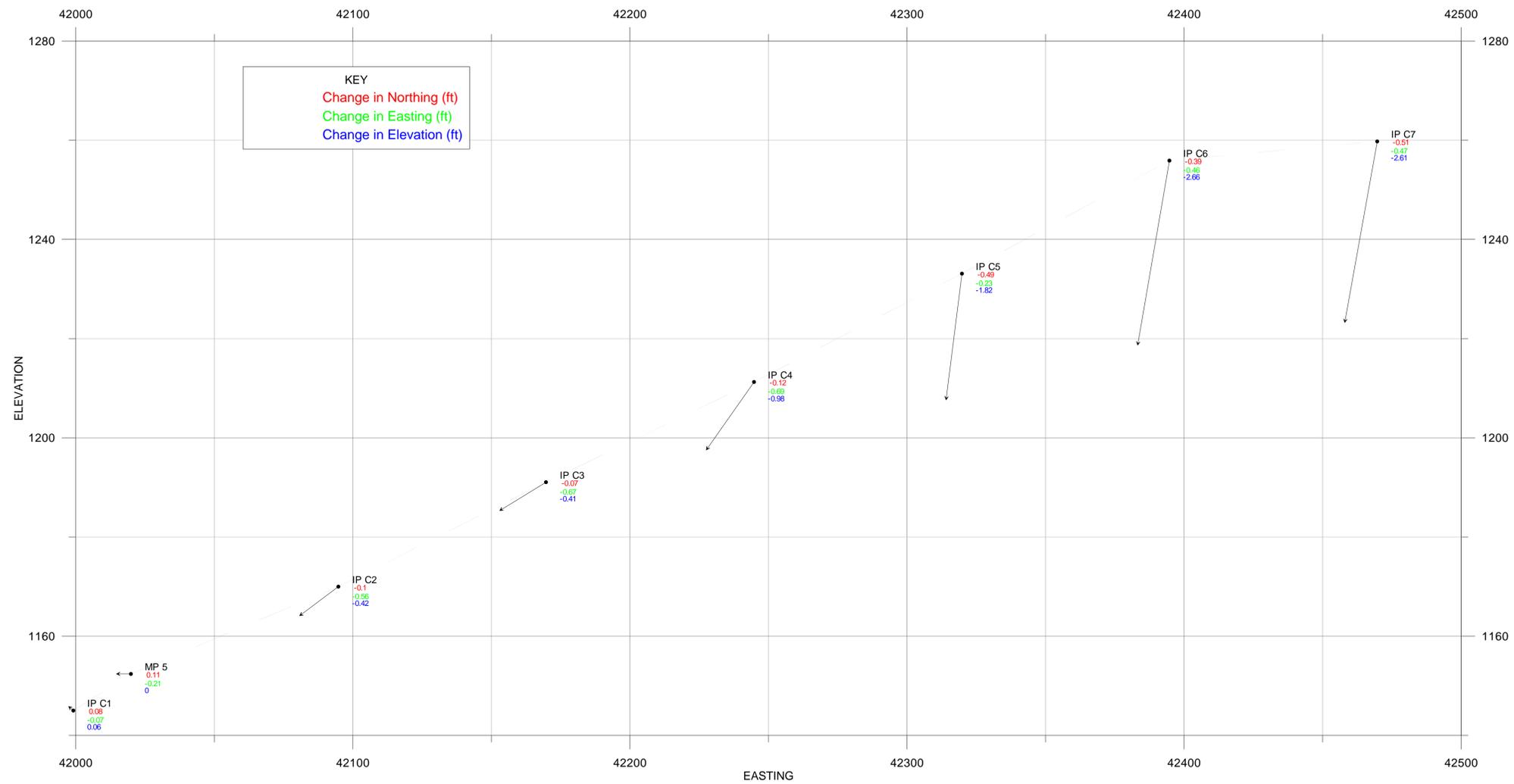
ID	2/8/11	2/22/11
MP 10		
MP 11		
MP 12		
IP A1	0.04	0.06
IP A2	-0.36	-0.40
IP A3	-0.73	-0.78
IP A4	-0.79	-0.83
IP B1	0.04	0.04
IP B2	-0.54	-0.62
IP B3	-0.27	-0.26
IP B4	-1.07	-1.13
IP B5	-1.61	-1.70
IP B6	-2.76	-3.05
IP B7	-6.59	-6.89
IP C1	0.04	0.06
IP C2	-0.37	-0.42
IP C3	-0.40	-0.41
IP C4	-0.94	-0.98
IP C5	-1.71	-1.82
IP C6	-2.49	-2.66
IP C7	-2.42	-2.61
IP D1	-0.05	-0.02
IP D2	-0.56	-0.58
IP D3	-0.40	-0.45
IP D4	-1.10	-1.18
IP D5	-1.41	-1.51
IP D6	-2.26	-2.38
IP D7	-2.31	-2.44
IP E1***	-0.03	0.00
IP E2		
IP E3	-0.52	-0.54
IP E4		
IP E5	-1.45	-1.50
IP F1 *	0.01	0.02
IP F2	-0.92	-0.95
IP F3	-0.92	-0.97
IP F4	-1.26	-1.30
IP Q1	-0.53	-0.59
IP Q2	-0.92	-0.94
MP 1	-0.02	-0.02
MP 2	0.00	0.01
MP 3		
MP 4**	0.00	0.00
MP 5**	0.00	0.00
MP 6	-0.06	-0.06
MP 7	-0.10	-0.10
MP 8		
MP 9		

\* On May 10, 2010, Ohio EPA approved an increase the baseline elevation of Iron Pin F1 from the original elevation of 1141.06', established on October 6, 2009, to 1141.15' due to the effects of frost heave.

\*\* On November 22, 2010, Ohio EPA approved an increase the baseline elevation of monitoring points MP-4 and MP-5 from the original elevation of 1154.82' and 1152.34', established on October 6, 2009, to 1154.88' and 1152.39', surveyed on November 30, 2010, respectively.

\*\*\*The Ohio EPA approved an increase of the baseline elevation of monitoring point IP E1 from the original elevation of 1143.41', established on October 6, 2009 to 1143.52', surveyed on February 22, 2011.

1. Data compiled by PJ Carey Associates, PC.
2. Survey provided by DEI beginning on October 6, 2009.
3. Highlighted regions indicate points which there was a positive change greater than 0.05 ft in elevation since October 6, 2009.

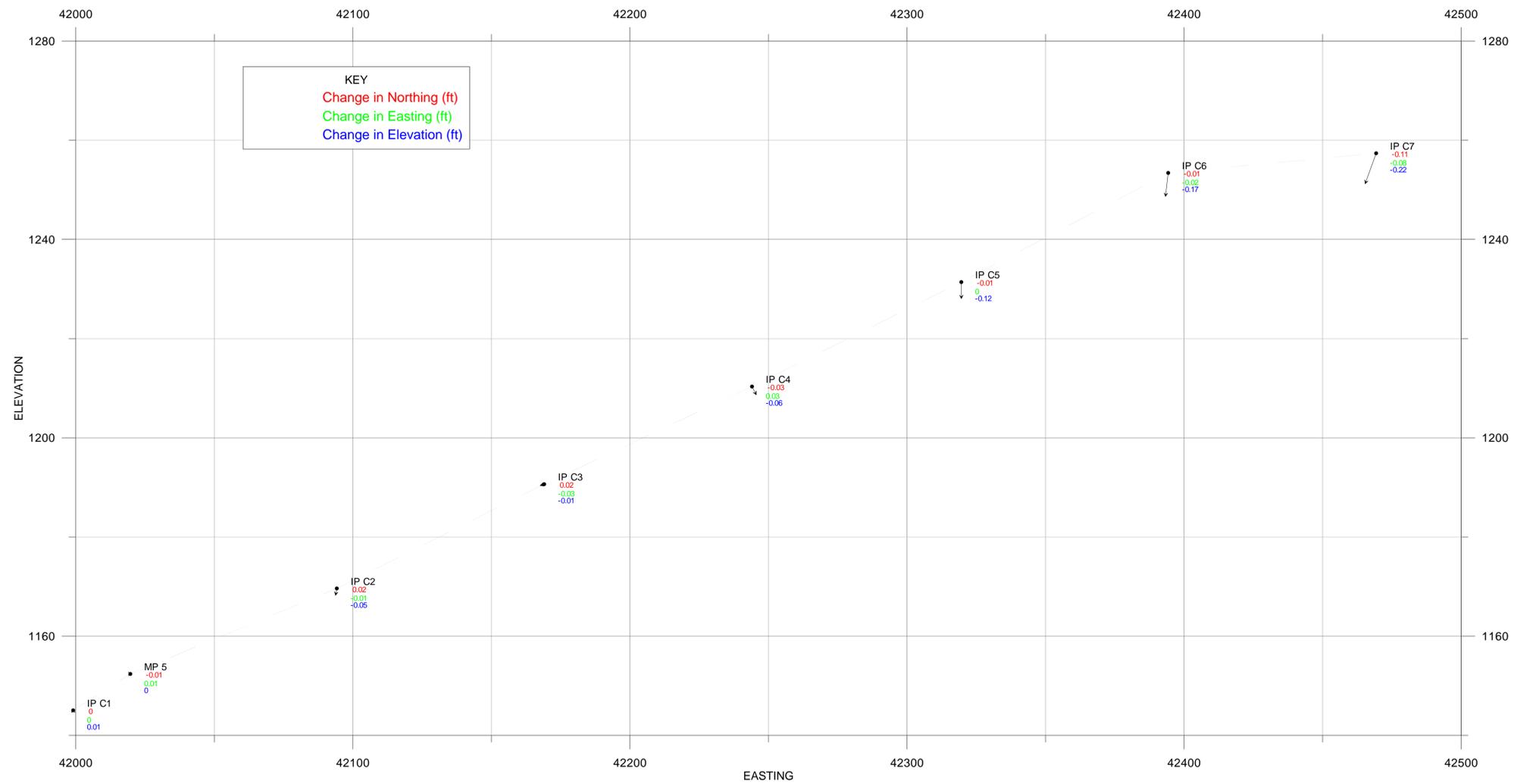


NOTES:

1. PROFILE IS APPROXIMATED USING POINTS SHOWN AS PROVIDED BY DIVERSIFIED ENGINEERING INC.

2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 1 FOOT SCALE. 

PROFILE MOVEMENT FOR ROW 'C'  
BETWEEN 10/06/2009 & 2/22/2011

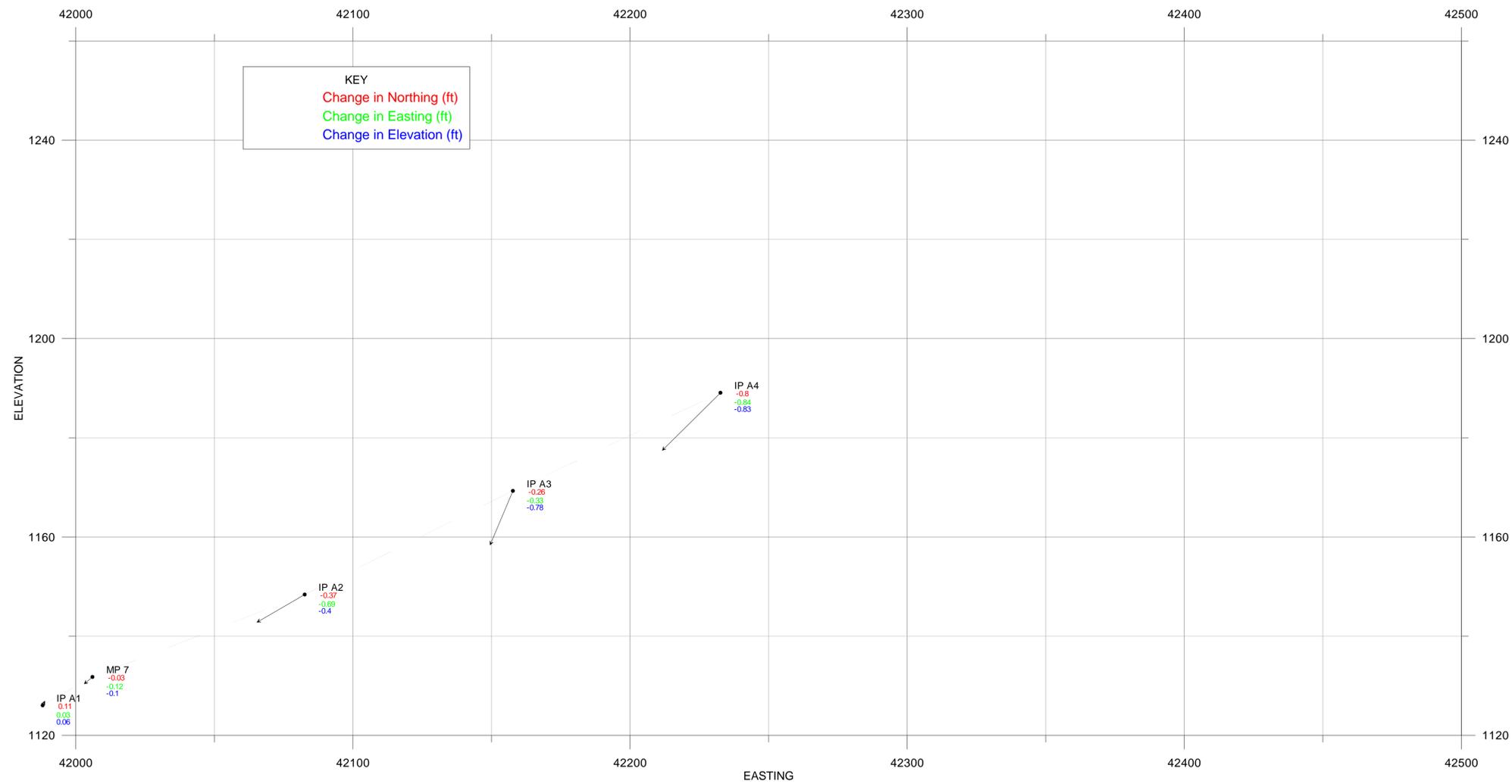


NOTES:

1. PROFILE IS APPROXIMATED USING POINTS SHOWN AS PROVIDED BY DIVERSIFIED ENGINEERING INC.

2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 0.5 FEET SCALE. 

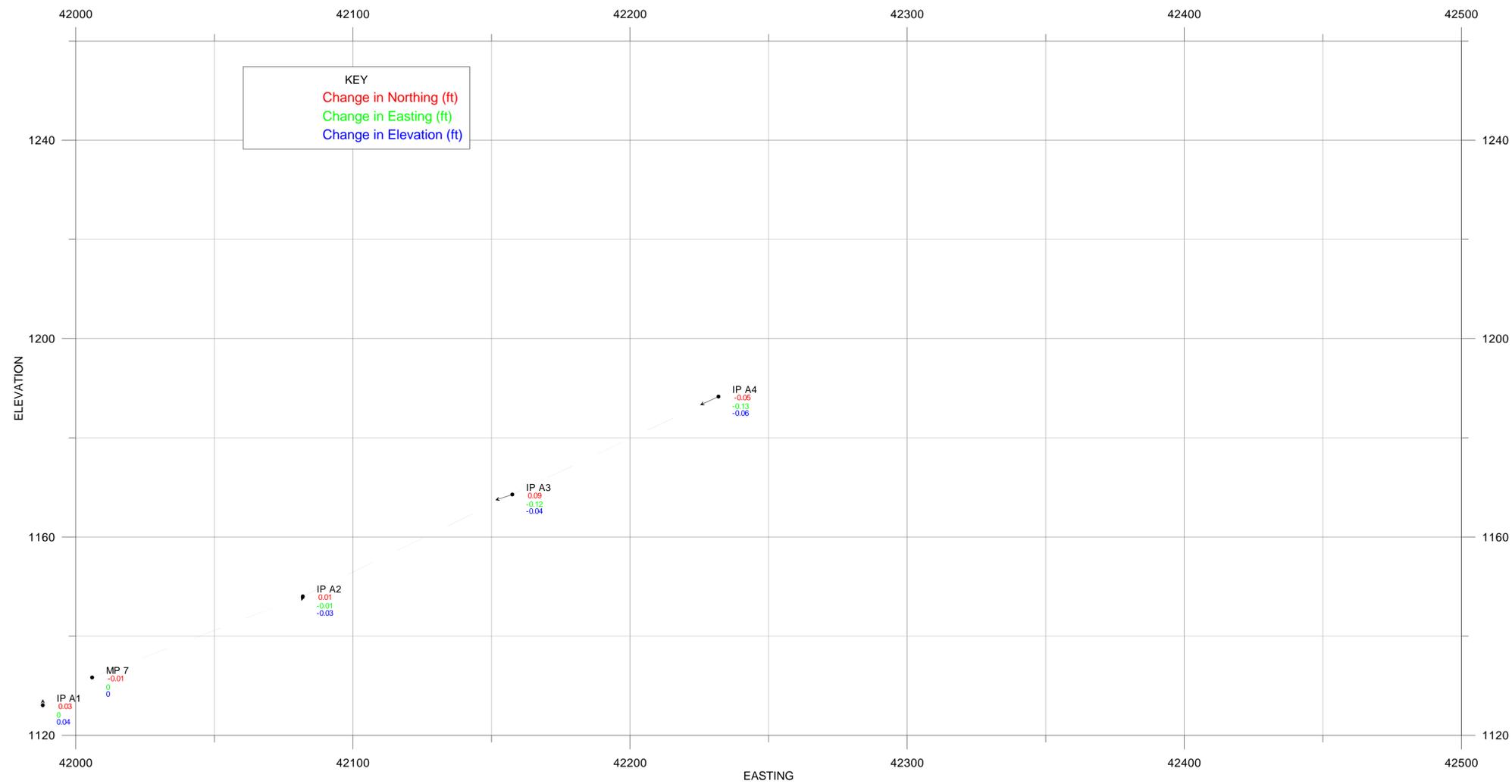
PROFILE MOVEMENT FOR ROW 'C'  
BETWEEN 1/25/2011 & 2/22/2011



NOTES:

1. PROFILE IS APPROXIMATED USING POINTS SHOWN AS PROVIDED BY DIVERSIFIED ENGINEERING INC.
2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 1 FOOT SCALE. 

PROFILE MOVEMENT FOR ROW 'A'  
BETWEEN 10/06/2009 & 2/22/2011

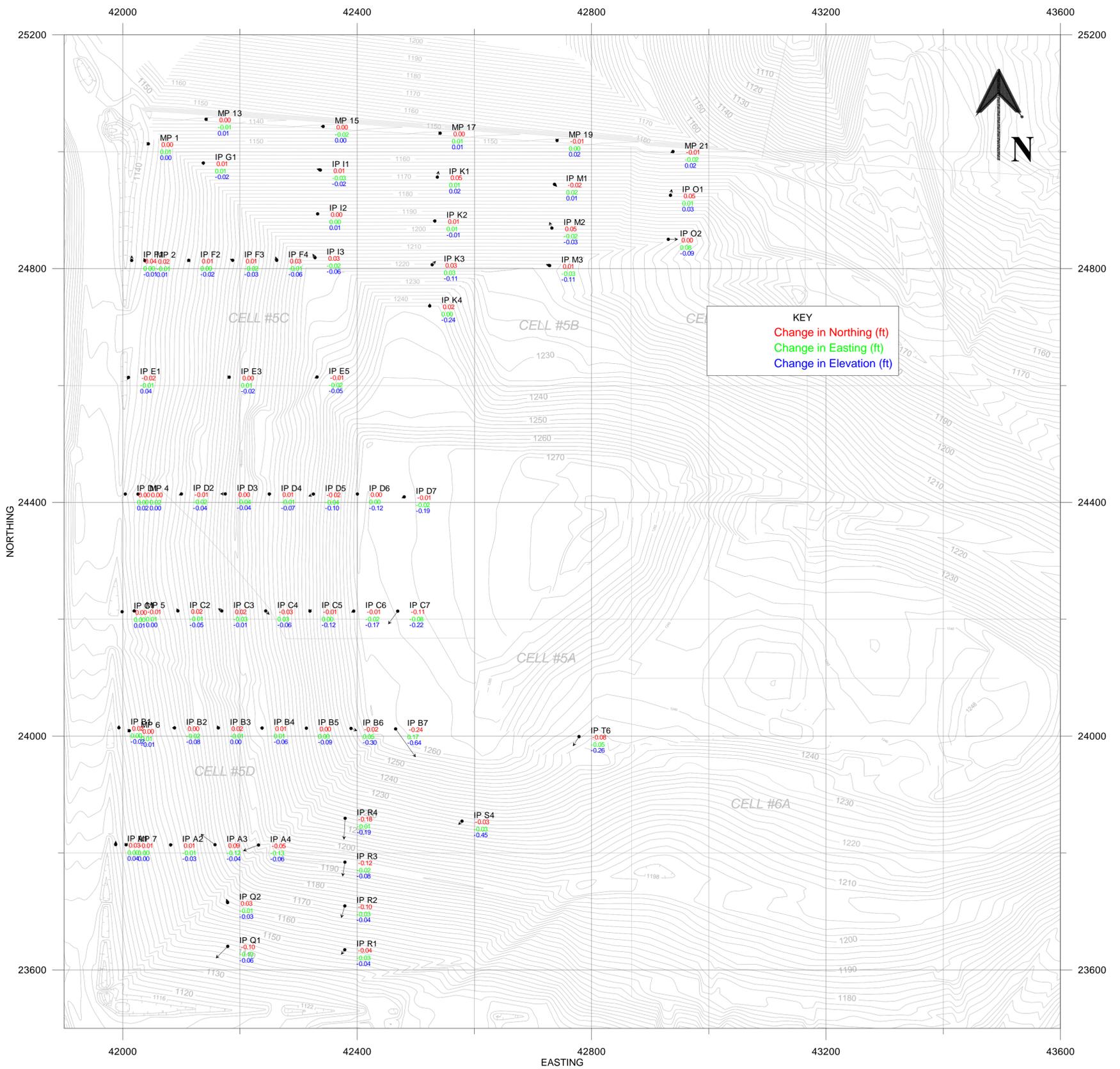


NOTES:

1. PROFILE IS APPROXIMATED USING POINTS SHOWN AS PROVIDED BY DIVERSIFIED ENGINEERING INC.

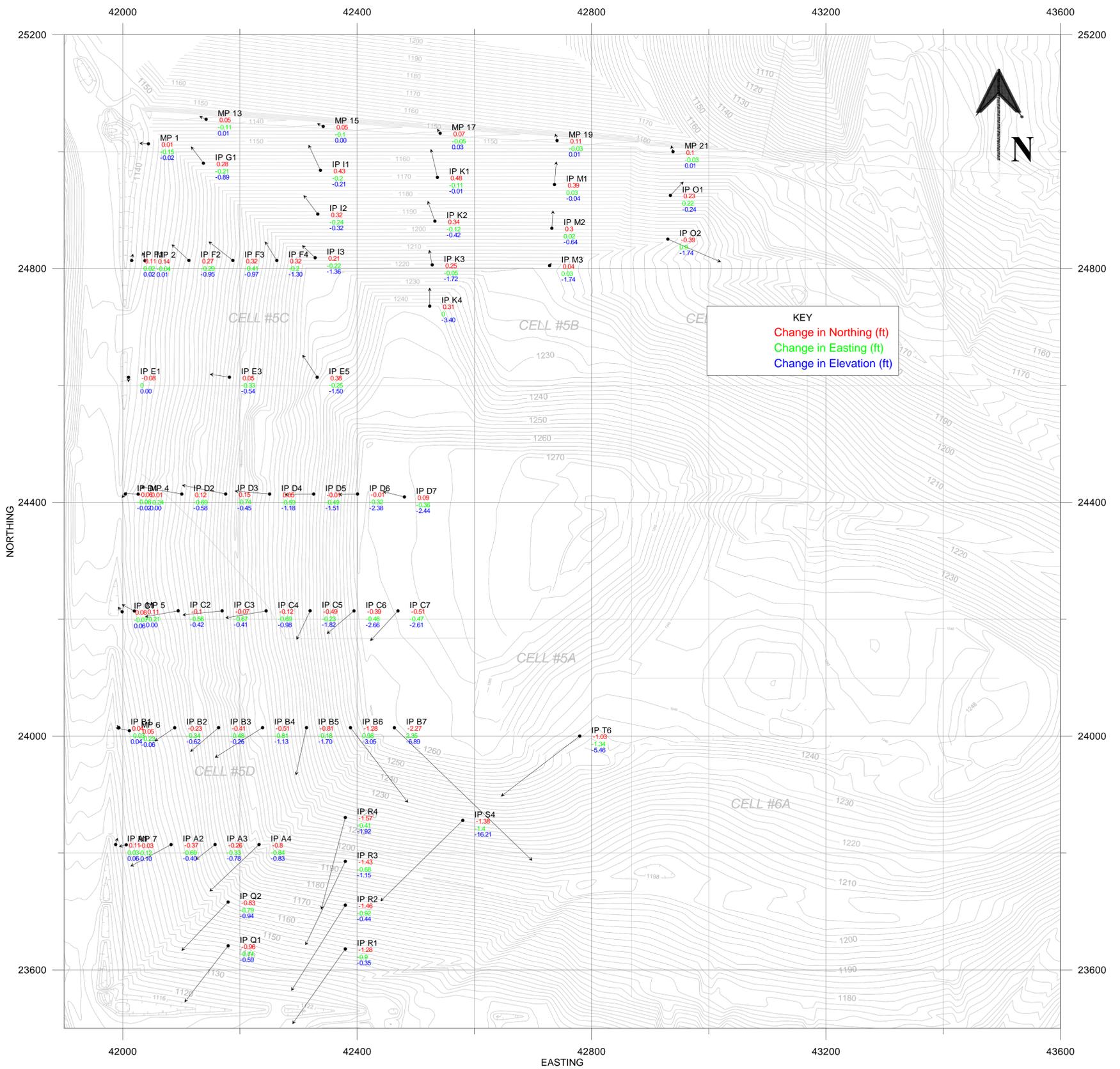
2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 0.5 FEET SCALE. 

PROFILE MOVEMENT FOR ROW 'A'  
BETWEEN 1/25/11 & 2/22/11



NOTE:

1. TOPOGRAPHY PROVIDED BY DIVERSIFIED ENGINEERING INC AS PART OF THE "88 REMEDIATION UNIT SLOPE PINS AND MONITORING PLATES LOCATION" PROJECT, DRAWING DATED 7/21/2009.
2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 0.5 FEET SCALE. 
3. HORIZONTAL MOVEMENT TRIGGER WAS NOT EXCEEDED DURING REPORTING PERIOD.
4. VERTICAL MOVEMENT TRIGGER WAS EXCEEDED AT IP A1 AND C1 DURING THE REPORTING PERIOD.



**NOTE:**

1. TOPOGRAPHY PROVIDED BY DIVERSIFIED ENGINEERING INC AS PART OF THE "88 REMEDIATION UNIT SLOPE PINS AND MONITORING PLATES LOCATION" PROJECT, DRAWING DATED 7/21/2009.
2. HORIZONTAL MOVEMENT VECTORS ARE PLOTTED TO A 1 INCH = 1 FOOT SCALE. 1 FOOT →
3. ON MAY 10, 2010, OHIO EPA APPROVED AN INCREASE OF THE BASELINE ELEVATION OF IRON PIN F1 FROM THE ORIGINAL ELEVATION OF 1141.06', ESTABLISHED ON OCTOBER 6, 2009, TO 1141.15' DUE TO THE EFFECTS OF FROST HEAVE.
4. ON NOVEMBER 22, 2010, OHIO EPA APPROVED AN INCREASE THE BASELINE ELEVATION OF MONITORING POINTS MP-4 AND MP-5 FROM THE ORIGINAL ELEVATION OF 1154.82' AND 1152.34', ESTABLISHED ON OCTOBER 6, 2009, TO 1154.88' AND 1152.39', SURVEYED ON NOVEMBER 30, 2010, RESPECTIVELY.
5. THE OHIO EPA APPROVED AN INCREASE OF THE BASELINE ELEVATION OF MONITORING POINT IP E1 FROM THE ORIGINAL ELEVATION OF 1143.41', ESTABLISHED ON OCTOBER 6, 2009 TO 1143.52', SURVEYED ON FEBRUARY 22, 2011.
6. VERTICAL MOVEMENT TRIGGERS WAS EXCEEDED AT IP A1 AND C1 DURING MONITORING PERIOD.