

Report of Progress, July 31, 2008

Pursuant to Administrative Settlement Agreement and Order on Consent for Removal Action

Docket No. V-W-08-C-897

Countywide Recycling and Disposal Facility
East Sparta, Stark County, Ohio

Respondent: Republic Services of Ohio II, LLC (Republic)

Paragraph 15.and b. Enhanced Gas Extraction and Temperature Monitoring.

On July 8, AEG, Ltd. installed the two required new gas extraction wells (PW-358 and -359) which completes the array of wells needed for the enhanced gas extraction system. The system will not be activated until temporary capping is performed in the vicinity because the temporary capping is essential to the proper performance of the system.

Frontz Drilling, Inc. started installation of the FBMP (temperature monitoring) probes on July 17. As of July 30, fourteen (14) of the probes had been completed, and four (4) probes remain to be installed.

See Attachment A for drawing annotated with progress.

Paragraph 15.c and f. Capping and Stabilization.

On July 2, USEPA approved the Landfill Cover and Long Term Capping Plan with conditions. A significant condition required Countywide to use 60-mil HDPE rather than the proposed 40-mil HDPE for temporary capping.

Upon Plan approval, Countywide initiated material procurement and preparation of the detail/staking plans. On July 24, construction crews began topsoil removal and installation of the under-cap drainage features and infrastructure in Area D (see attached map). This preparation work is required before the flexible membrane liner (FML) cap can be installed.

See Attachment B for drawing annotated with progress.

Only the proposed temporary capping portion of work is approved at this time. USEPA, OEPA, and Countywide agreed to resolve details for composite capping at a later date.

Paragraph 15.e. Air Monitoring and Sampling.

On July 3, Countywide submitted a write-up of the procedures to be employed during remedial activities (Phase 5 of the Ambient Air Monitoring Work Plan). Actual remedial work activities began with the installation of the two required new gas extraction wells (PW-358 and -359) on July 8, the FBMP installation on July 17, and then the capping preparation work on July 24. This work was monitored during working hours with portable ppbRAE monitors just downwind and upwind of the intrusive activity. A summary of the results is in preparation and will be included with the August Report.

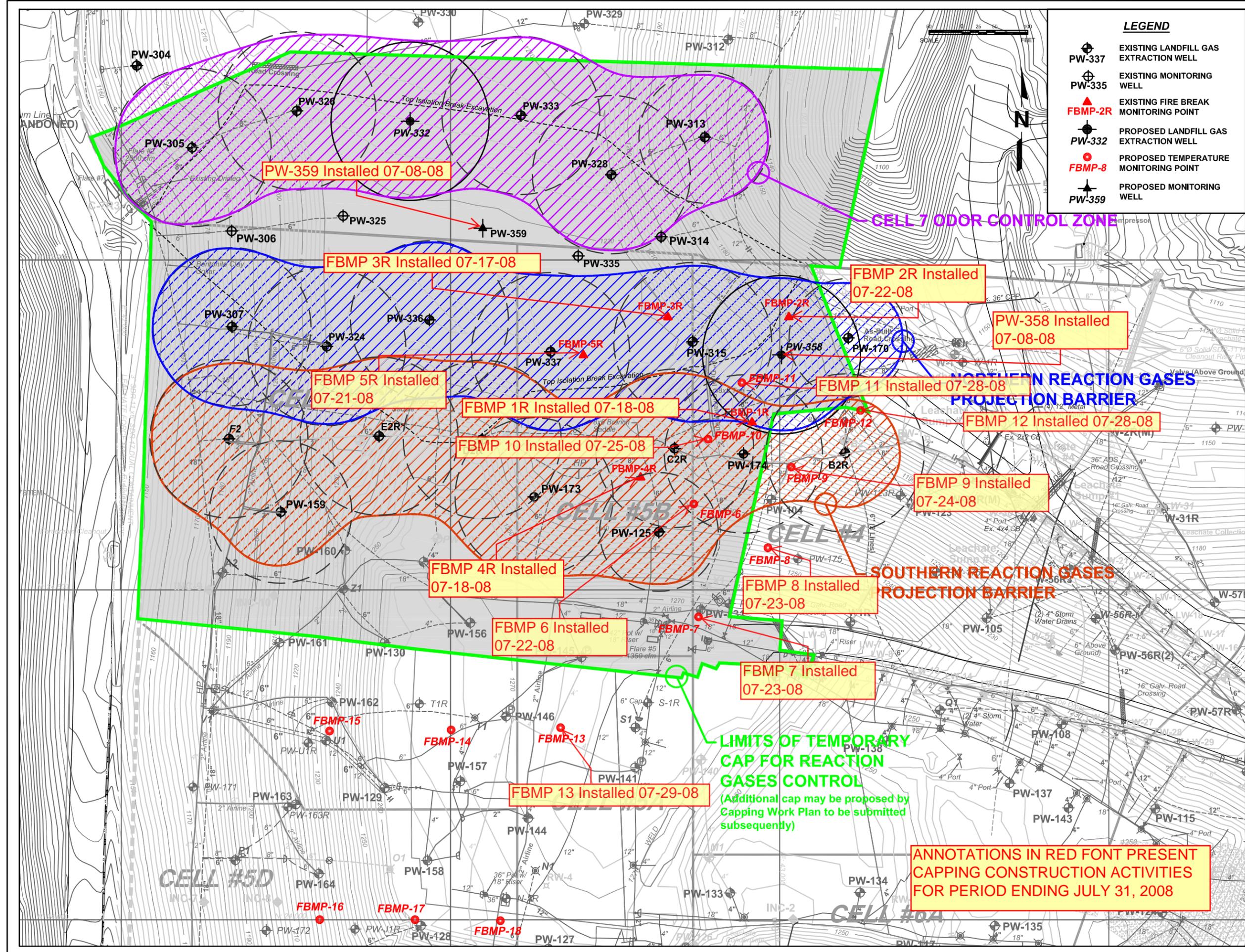
Paragraph 15.g. Aerial Infrared Imaging.

April and July 2008 aerial infrared images are provided in Attachment D along with a diagram to outline the approximate coverage of the images. Both images were taken in the pre-dawn hours. The ambient air temperature during the April image was 55° F and during the July image was 69° F. Comparison of these images generally reflects correlation to the ambient air temperatures, with no large aerial changes or trends.

ATTACHMENT A

ENHANCED GAS EXTRACTION AND TEMPERATURE MONITORING PROGRESS

F:\Land Projects\05200012 Countywide RDP\Map\USEPA\USEPA2.dwg May 27, 2008 - 3:17pm Layout Name: Layout1 By: 2122apt



DESCRIPTION	
DATE	
SHEET TITLE	GAS WELL AND TEMPERATURE MONITORING LOCATION MAP
PROJECT TITLE	COUNTYWIDE RDP US EPA SETTLEMENT AGREEMENT
CLIENT	REPUBLIC SERVICES OF OHIO II, LLC 3819 GRACEMONT STREET, S.W. EAST SPARTA, OHIO 44826
SCS ENGINEERS	STRANNA CORNAD AND COMPANY CONSULTING ENGINEERS, INC. 100 W. MAIN ST., SUITE 200, COLUMBUS, OHIO 43260 PH: (614) 452-2800 FAX: (614) 452-2814
CADD FILE	USEPA2
DATE:	04/28/08
SCALE:	AS SHOWN
FIGURE	3

ATTACHMENT B

CAPPING AND STABILIZATION PROGRESS



Stripped topsoil, began undercap piping and drainage features. No FML placement.

LEGEND

- PROPERTY LINE
- LIMIT OF SOLID WASTE
- CELL BOUNDARY
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- CAP AREA BOUNDARY
- EXISTING PARKING
- EXISTING GRAVEL ROAD
- PROPOSED AREA TO RECEIVE COMPOSITE COVER
- EXISTING TEMPORARY FML CAP
- PROPOSED TEMPORARY EXPOSED FML CAP
- AREA TO BE PREPARED FOR CONSTRUCTION OF TEMPORARY FML CAP
- EXISTING TEMPORARY FML CAP TO BE AUGMENTED

NOTES:

1. EXISTING CONTOURS WERE COMPILED FROM DIVERSIFIED ENGINEERING, INC. TOPOGRAPHICAL SURVEY DATED 12/05/07 AND 04/28/08.
2. AREAS SHOWN ARE APPROXIMATE.
3. THE EXISTING TEMPORARY CAP WILL BE MAINTAINED.
4. LOCATION OF NORTHWEST CAP LIMIT WAS OBTAINED FROM FIGURE 3 (GAS WELL AND TEMPERATURE MONITORING LOCATION MAP DATED 04/28/08) PROVIDED IN THE GAS EXTRACTION AND MONITORING WORK PLAN DATED MAY 27, 2008.

ANNOTATIONS IN RED FONT PRESENT CAPPING CONSTRUCTION ACTIVITIES FOR PERIOD ENDING JULY 31, 2008

1" = 1/2" 0"

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	06/24/08	REVISED PER US EPA 06/06/08 COMMENTS	JAW	JGW	BOS	JGW
		DATE OF ISSUE	DRAWN BY	CHECKED BY	DATE OF ISSUE	DESIGNED BY
		05/12/08	JAW	JCO		JGW



REPUBLIC SERVICES OF OHIO II, LLC
 COUNTYWIDE RECYCLING & DISPOSAL FACILITY
 STARK COUNTY, EAST SPARTA, OHIO
LANDFILL COVER & LONG TERM CAPPING
 PROPOSED AREAS FOR 2008 CAP CONSTRUCTION

SHEET NO.
3
 PROJECT NO.
 070187

ATTACHMENT C

AIR MONITORING OF REMEDIAL CONSTRUCTION ACTIVITIES

Note: A summary of Air Monitoring during Remedial Activities was in preparation at the time of this submittal. It will be included with the August 2008 Report of Progress.

ATTACHMENT D
AERIAL INFRARED IMAGES

Composite Image by
Predictive Service LLC. 216.214.3500
Data Collected 4/22/2008

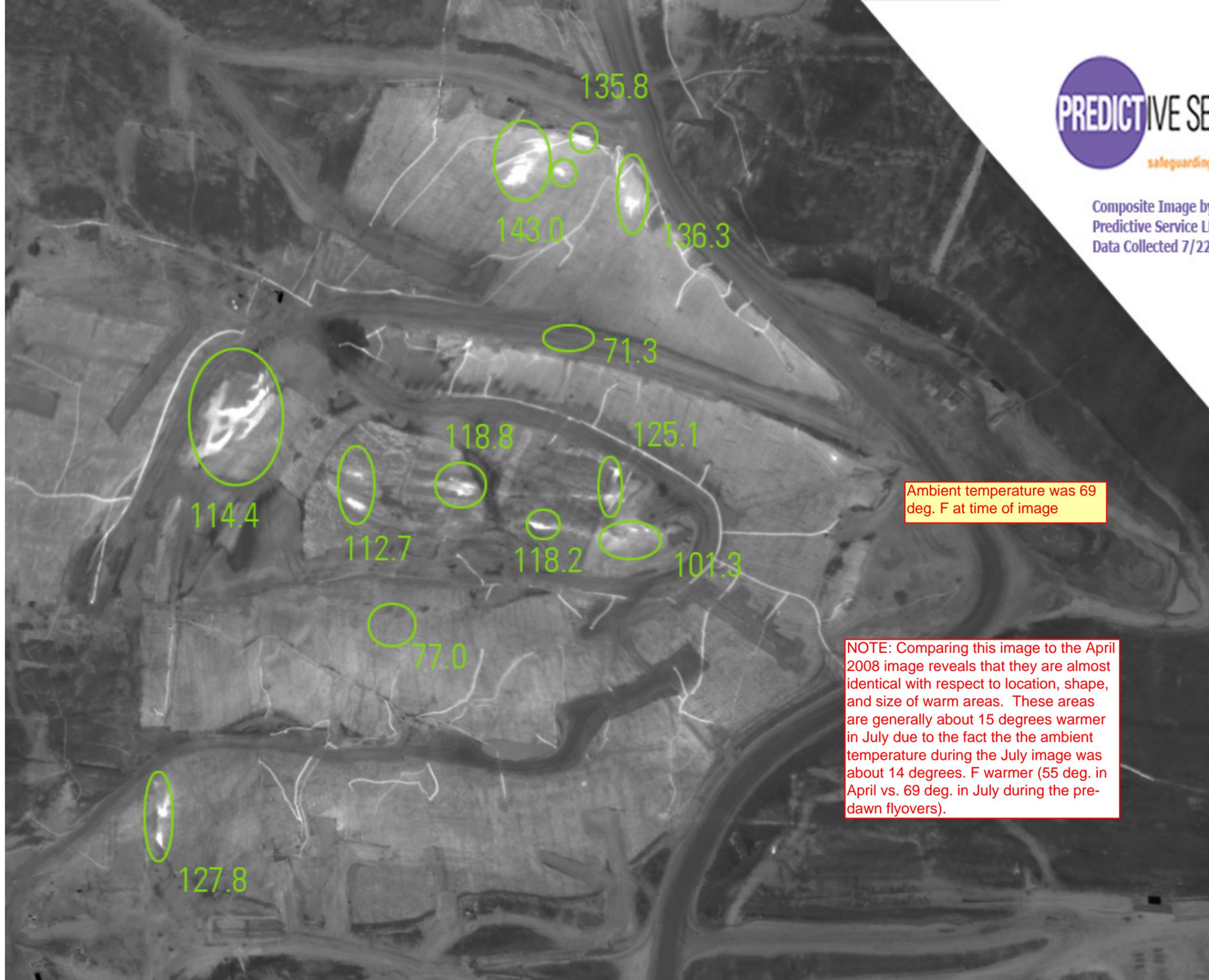


Persistent undercap seep emergence locations

Persistent undercap low-point seep collection areas

Persistent longitudinal settlement crack trace under FML cap

Ambient temperature was 55 deg. F at time of image



Ambient temperature was 69 deg. F at time of image

NOTE: Comparing this image to the April 2008 image reveals that they are almost identical with respect to location, shape, and size of warm areas. These areas are generally about 15 degrees warmer in July due to the fact the the ambient temperature during the July image was about 14 degrees. F warmer (55 deg. in April vs. 69 deg. in July during the pre-dawn flyovers).

