

September 30, 2016

Mr. Paul Olson
Principal Engineer
City of Albuquerque
Environmental Health Department
Environmental Services Division – Room 3023
P. O. Box 1293
Albuquerque, New Mexico 87103

Re: Surface Emissions Monitoring at the Former Nazareth Landfill in Preparation of RV Parking for the Albuquerque International Balloon Fiesta – September 2016

Mr. Olson,

Attached are the surface emissions monitoring (SEM) results that were recorded on September 19, 2016, at the former Nazareth Landfill. The SEM monitoring was performed at the request from the City of Albuquerque (COA) to check for potential venting of landfill gas through the cap of the landfill prior to its use as a parking area for recreational vehicles during the Albuquerque International Balloon Fiesta (AIBF). The SEM was performed by continuously monitoring for landfill gas during a walking circuit of the entire landfill. Monitoring was performed using a SiteFID flame ionization detector which detects combustible gases at parts per million (ppm) levels, and was calibrated to 500 ppm methane gas. Landfill gas concentrations were recorded continuously along transects that were spaced approximately 25 feet apart on the west side of the landfill and 100 feet apart on the east side of the landfill. SEM was also performed at suspect features (e.g. surface cracks).

The results of the SEM showed that there were no significant detections in landfill gas with exception of detections at expansion cracks located on the southeastern corner of the RV parking area. The cracks had SiteFID readings that maxed out at approximately 10,099 ppm (between the lower and upper explosive limit for methane). Other elevated detections were observed at landfill gas investigation and venting points on the landfill. The crack and vent readings are not representative of the random SEM transects, as the probe was held immediately over, or in, the crack or landfill gas device to check for hazardous conditions. During the walking circuit, the technician noted a broken PVC cleanout cap over a landfill gas investigation point in the center of the landfill. Elevated readings at that location (points 139 and 140) prompted a return to that location during crack checking, and elevated levels were confirmed (points 600 to 603) at concentrations up to 822.5 ppm (16% of the lower explosive limit). At point location IDs 596 and 597, the SiteFID was held over the passive landfill gas vent to check the concentration of flammable gases venting from the pipe. The vent will be capped during the AIBF, to abate this public exposure point.

The results of the SEM events are attached along with a map showing the walking path and the approximate locations of the point measurements. The SiteFID was programmed to record a location coordinate and corresponding SEM measurement every five seconds. All of the data are included in the

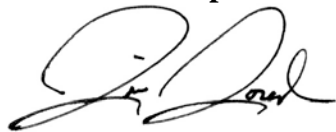
attached matrix, but the corresponding map only shows every 20th location ID. The data can be separated into three groups.

1. Point location IDs 1 through 315 correspond with the walking transect and continuous SEM on the west side of the landfill, where RVs will be parked.
2. Point location IDs 316 through 562 correspond with the walking SEM on the eastern portion of the landfill, where event parking will occur.
3. Point location IDs 563 through 603 correspond with the checking of cracks and other features on the west side of the landfill, including direct readings of gas in the cracks (when wide enough) and from a passive landfill gas vent.

The west and east sides of the landfill are separated by a chain link fence that runs north/south across the landfill.

Thank you for the opportunity to perform this work for the COA. If you have any questions, please let me know.

Sincerely,
INTERA Incorporated



Jim Joseph
Project Manager

Attachment:

September 2016 SEM Data (tabulated)

Figure 1 –September 2016 Surface Emission Monitoring (SEM): Path Walked

cc: Mr. Bart Faris, City of Albuquerque Environmental Health Department
Ken Ziegler, City of Albuquerque Environmental Health Department

FORMER NAZARETH LANDFILL

SURFACE EMISSION MONITORING RESULTS FROM SEPTEMBER 2016
Monitoring Performed by INTERA Incorporated Using City Equipment

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
1	9/19/2016 14:29	0
2	9/19/2016 14:29	0
3	9/19/2016 14:29	0
4	9/19/2016 14:29	0
5	9/19/2016 14:29	0
6	9/19/2016 14:29	0
7	9/19/2016 14:29	0
8	9/19/2016 14:29	0
9	9/19/2016 14:29	0
10	9/19/2016 14:30	0
11	9/19/2016 14:30	0
12	9/19/2016 14:30	0
13	9/19/2016 14:30	0
14	9/19/2016 14:30	0
15	9/19/2016 14:30	0
16	9/19/2016 14:30	0
17	9/19/2016 14:30	0
18	9/19/2016 14:30	0
19	9/19/2016 14:30	0
20	9/19/2016 14:30	0
21	9/19/2016 14:30	0
22	9/19/2016 14:31	0
23	9/19/2016 14:31	0
24	9/19/2016 14:31	0
25	9/19/2016 14:31	0
26	9/19/2016 14:31	0
27	9/19/2016 14:31	0
28	9/19/2016 14:31	0
29	9/19/2016 14:31	0
30	9/19/2016 14:31	0
31	9/19/2016 14:31	0
32	9/19/2016 14:31	0
33	9/19/2016 14:31	0
34	9/19/2016 14:32	0
35	9/19/2016 14:32	0
36	9/19/2016 14:32	0
37	9/19/2016 14:32	0
38	9/19/2016 14:32	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
39	9/19/2016 14:32	0
40	9/19/2016 14:32	0
41	9/19/2016 14:32	0
42	9/19/2016 14:32	0
43	9/19/2016 14:32	0
44	9/19/2016 14:32	0
45	9/19/2016 14:33	0
46	9/19/2016 14:33	0
47	9/19/2016 14:33	0
48	9/19/2016 14:33	0
49	9/19/2016 14:33	0
50	9/19/2016 14:33	0
51	9/19/2016 14:33	0
52	9/19/2016 14:33	0
53	9/19/2016 14:33	0
54	9/19/2016 14:33	0
55	9/19/2016 14:33	0
56	9/19/2016 14:33	0
57	9/19/2016 14:34	0
58	9/19/2016 14:34	0
59	9/19/2016 14:34	0
60	9/19/2016 14:34	0.1
61	9/19/2016 14:34	0
62	9/19/2016 14:34	0
63	9/19/2016 14:34	0
64	9/19/2016 14:34	0
65	9/19/2016 14:34	0
66	9/19/2016 14:34	0
67	9/19/2016 14:34	0
68	9/19/2016 14:34	0
69	9/19/2016 14:35	0
70	9/19/2016 14:35	0
71	9/19/2016 14:35	0
72	9/19/2016 14:35	0
73	9/19/2016 14:35	0
74	9/19/2016 14:35	0
75	9/19/2016 14:35	0
76	9/19/2016 14:35	0

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 SURFACE EMISSION MONITORING RESULTS FROM SEPTEMBER 2016
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LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
77	9/19/2016 14:35	0
78	9/19/2016 14:35	0
79	9/19/2016 14:35	0
80	9/19/2016 14:35	0
81	9/19/2016 14:36	0
82	9/19/2016 14:36	0
83	9/19/2016 14:36	0
84	9/19/2016 14:36	0
85	9/19/2016 14:36	0
86	9/19/2016 14:36	0
87	9/19/2016 14:36	0
88	9/19/2016 14:36	0
89	9/19/2016 14:36	0
90	9/19/2016 14:36	0
91	9/19/2016 14:36	0
92	9/19/2016 14:36	0
93	9/19/2016 14:37	0
94	9/19/2016 14:37	0
95	9/19/2016 14:37	0
96	9/19/2016 14:37	0
97	9/19/2016 14:37	0
98	9/19/2016 14:37	0
99	9/19/2016 14:37	0
100	9/19/2016 14:37	0
101	9/19/2016 14:37	0
102	9/19/2016 14:37	0
103	9/19/2016 14:37	0
104	9/19/2016 14:37	0
105	9/19/2016 14:38	0
106	9/19/2016 14:38	0
107	9/19/2016 14:38	0
108	9/19/2016 14:38	0
109	9/19/2016 14:38	0
110	9/19/2016 14:38	0
111	9/19/2016 14:38	0
112	9/19/2016 14:38	0
113	9/19/2016 14:38	0
114	9/19/2016 14:38	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
115	9/19/2016 14:38	0
116	9/19/2016 14:38	0
117	9/19/2016 14:39	0
118	9/19/2016 14:39	0
119	9/19/2016 14:39	0
120	9/19/2016 14:39	0
121	9/19/2016 14:39	0
122	9/19/2016 14:39	0
123	9/19/2016 14:39	0
124	9/19/2016 14:39	0
125	9/19/2016 14:39	0
126	9/19/2016 14:39	0
127	9/19/2016 14:39	0
128	9/19/2016 14:39	0
129	9/19/2016 14:40	0
130	9/19/2016 14:40	0
131	9/19/2016 14:41	0
132	9/19/2016 14:41	0
133	9/19/2016 14:41	0
134	9/19/2016 14:41	0
135	9/19/2016 14:41	0
136	9/19/2016 14:41	0
137	9/19/2016 14:41	0
138	9/19/2016 14:42	0
139	9/19/2016 14:42	129.2
140	9/19/2016 14:42	700.4
141	9/19/2016 14:42	0
142	9/19/2016 14:42	0
143	9/19/2016 14:42	0
144	9/19/2016 14:42	0
145	9/19/2016 14:42	0
146	9/19/2016 14:42	0
147	9/19/2016 14:42	0
148	9/19/2016 14:42	0
149	9/19/2016 14:42	0
150	9/19/2016 14:43	0
151	9/19/2016 14:43	0
152	9/19/2016 14:43	0

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LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
153	9/19/2016 14:43	0
154	9/19/2016 14:43	0
155	9/19/2016 14:43	0
156	9/19/2016 14:43	0
157	9/19/2016 14:43	0
158	9/19/2016 14:43	0
159	9/19/2016 14:43	0
160	9/19/2016 14:43	0
161	9/19/2016 14:43	0
162	9/19/2016 14:44	0
163	9/19/2016 14:44	0
164	9/19/2016 14:44	0
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175	9/19/2016 14:45	0
176	9/19/2016 14:45	0
177	9/19/2016 14:45	0
178	9/19/2016 14:45	0
179	9/19/2016 14:45	0
180	9/19/2016 14:45	0
181	9/19/2016 14:45	0
182	9/19/2016 14:45	0
183	9/19/2016 14:45	0
184	9/19/2016 14:45	0
185	9/19/2016 14:45	0
186	9/19/2016 14:46	0
187	9/19/2016 14:46	0
188	9/19/2016 14:46	0
189	9/19/2016 14:46	0
190	9/19/2016 14:46	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
191	9/19/2016 14:46	0
192	9/19/2016 14:46	0
193	9/19/2016 14:46	0
194	9/19/2016 14:46	0
195	9/19/2016 14:46	0
196	9/19/2016 14:46	0
197	9/19/2016 14:46	0
198	9/19/2016 14:47	0
199	9/19/2016 14:47	0
200	9/19/2016 14:47	0
201	9/19/2016 14:47	0
202	9/19/2016 14:47	0
203	9/19/2016 14:47	0
204	9/19/2016 14:47	0
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208	9/19/2016 14:47	0
209	9/19/2016 14:48	0
210	9/19/2016 14:48	0
211	9/19/2016 14:48	0
212	9/19/2016 14:48	0
213	9/19/2016 14:48	0
214	9/19/2016 14:48	0
215	9/19/2016 14:48	0
216	9/19/2016 14:48	0
217	9/19/2016 14:48	0
218	9/19/2016 14:48	0
219	9/19/2016 14:48	0
220	9/19/2016 14:48	0
221	9/19/2016 14:49	0
222	9/19/2016 14:49	0
223	9/19/2016 14:49	0
224	9/19/2016 14:49	0
225	9/19/2016 14:49	0
226	9/19/2016 14:49	0
227	9/19/2016 14:49	0
228	9/19/2016 14:49	0

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LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
229	9/19/2016 14:49	0
230	9/19/2016 14:49	0
231	9/19/2016 14:49	0
232	9/19/2016 14:49	0
233	9/19/2016 14:50	0
234	9/19/2016 14:50	0
235	9/19/2016 14:50	0
236	9/19/2016 14:50	0
237	9/19/2016 14:50	0
238	9/19/2016 14:50	0
239	9/19/2016 14:50	0
240	9/19/2016 14:50	0
241	9/19/2016 14:50	0
242	9/19/2016 14:50	0
243	9/19/2016 14:50	0
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245	9/19/2016 14:51	0
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247	9/19/2016 14:51	0
248	9/19/2016 14:51	0
249	9/19/2016 14:51	0
250	9/19/2016 14:51	0
251	9/19/2016 14:51	0
252	9/19/2016 14:51	0
253	9/19/2016 14:51	0
254	9/19/2016 14:51	0
255	9/19/2016 14:51	0
256	9/19/2016 14:51	0
257	9/19/2016 14:52	0
258	9/19/2016 14:52	0
259	9/19/2016 14:52	0
260	9/19/2016 14:52	0
261	9/19/2016 14:52	0
262	9/19/2016 14:52	0
263	9/19/2016 14:52	0
264	9/19/2016 14:52	0
265	9/19/2016 14:52	0
266	9/19/2016 14:52	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
267	9/19/2016 14:52	0
268	9/19/2016 14:52	0
269	9/19/2016 14:53	0
270	9/19/2016 14:53	0
271	9/19/2016 14:53	0
272	9/19/2016 14:53	0
273	9/19/2016 14:53	0
274	9/19/2016 14:53	0
275	9/19/2016 14:53	0
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277	9/19/2016 14:53	0
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295	9/19/2016 14:55	0
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297	9/19/2016 14:55	0
298	9/19/2016 14:56	0
299	9/19/2016 14:56	0
300	9/19/2016 14:56	0
301	9/19/2016 14:56	0
302	9/19/2016 14:56	0
303	9/19/2016 14:56	0
304	9/19/2016 14:56	0

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SURFACE EMISSION MONITORING RESULTS FROM SEPTEMBER 2016
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LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
305	9/19/2016 14:56	0
306	9/19/2016 14:56	0
307	9/19/2016 14:56	0
308	9/19/2016 14:56	0
309	9/19/2016 14:56	0
310	9/19/2016 14:57	0
311	9/19/2016 14:57	0
312	9/19/2016 14:57	0
313	9/19/2016 14:57	0
314	9/19/2016 14:57	0
315	9/19/2016 14:58	0
316	9/19/2016 14:59	0
317	9/19/2016 14:59	0
318	9/19/2016 14:59	0
319	9/19/2016 14:59	0
320	9/19/2016 14:59	0
321	9/19/2016 15:00	0
322	9/19/2016 15:00	0
323	9/19/2016 15:00	0
324	9/19/2016 15:00	0
325	9/19/2016 15:00	0
326	9/19/2016 15:00	0
327	9/19/2016 15:00	0
328	9/19/2016 15:00	0
329	9/19/2016 15:00	0
330	9/19/2016 15:00	0
331	9/19/2016 15:00	0
332	9/19/2016 15:00	0
333	9/19/2016 15:01	0
334	9/19/2016 15:01	0
335	9/19/2016 15:01	0
336	9/19/2016 15:01	0
337	9/19/2016 15:01	0
338	9/19/2016 15:01	0
339	9/19/2016 15:01	0
340	9/19/2016 15:01	0
341	9/19/2016 15:01	0
342	9/19/2016 15:01	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
343	9/19/2016 15:01	0
344	9/19/2016 15:01	0
345	9/19/2016 15:03	0
346	9/19/2016 15:03	0
347	9/19/2016 15:03	0
348	9/19/2016 15:03	0
349	9/19/2016 15:03	0
350	9/19/2016 15:03	0
351	9/19/2016 15:03	0
352	9/19/2016 15:03	0
353	9/19/2016 15:03	0
354	9/19/2016 15:03	0
355	9/19/2016 15:03	0
356	9/19/2016 15:03	0
357	9/19/2016 15:04	0
358	9/19/2016 15:04	0
359	9/19/2016 15:04	0
360	9/19/2016 15:04	0
361	9/19/2016 15:04	0
362	9/19/2016 15:04	0
363	9/19/2016 15:04	0
364	9/19/2016 15:04	0
365	9/19/2016 15:04	0
366	9/19/2016 15:04	0
367	9/19/2016 15:04	0
368	9/19/2016 15:04	0
369	9/19/2016 15:05	0
370	9/19/2016 15:05	0
371	9/19/2016 15:05	0
372	9/19/2016 15:05	0
373	9/19/2016 15:05	0
374	9/19/2016 15:06	0
375	9/19/2016 15:06	0
376	9/19/2016 15:06	0
377	9/19/2016 15:06	0
378	9/19/2016 15:06	0
379	9/19/2016 15:06	0
380	9/19/2016 15:06	0

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SURFACE EMISSION MONITORING RESULTS FROM SEPTEMBER 2016
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LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
381	9/19/2016 15:06	0
382	9/19/2016 15:06	0
383	9/19/2016 15:06	0
384	9/19/2016 15:06	0
385	9/19/2016 15:06	0
386	9/19/2016 15:07	0
387	9/19/2016 15:07	0
388	9/19/2016 15:07	0
389	9/19/2016 15:07	0
390	9/19/2016 15:07	0
391	9/19/2016 15:07	0
392	9/19/2016 15:07	0
393	9/19/2016 15:07	0
394	9/19/2016 15:07	0
395	9/19/2016 15:07	0
396	9/19/2016 15:07	0
397	9/19/2016 15:07	0
398	9/19/2016 15:08	0
399	9/19/2016 15:08	0
400	9/19/2016 15:08	0
401	9/19/2016 15:08	0
402	9/19/2016 15:08	0
403	9/19/2016 15:08	0
404	9/19/2016 15:10	0
405	9/19/2016 15:10	0
406	9/19/2016 15:10	0
407	9/19/2016 15:10	0
408	9/19/2016 15:10	0
409	9/19/2016 15:10	0
410	9/19/2016 15:11	0
411	9/19/2016 15:11	0
412	9/19/2016 15:11	0
413	9/19/2016 15:11	0
414	9/19/2016 15:11	0
415	9/19/2016 15:11	0
416	9/19/2016 15:11	0
417	9/19/2016 15:11	0
418	9/19/2016 15:11	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
419	9/19/2016 15:11	0
420	9/19/2016 15:11	0
421	9/19/2016 15:11	0
422	9/19/2016 15:12	0
423	9/19/2016 15:12	0
424	9/19/2016 15:12	0
425	9/19/2016 15:12	0
426	9/19/2016 15:12	0
427	9/19/2016 15:12	0
428	9/19/2016 15:12	0
429	9/19/2016 15:12	0
430	9/19/2016 15:12	0
431	9/19/2016 15:12	0
432	9/19/2016 15:12	0
433	9/19/2016 15:12	0
434	9/19/2016 15:13	0
435	9/19/2016 15:13	0
436	9/19/2016 15:13	0
437	9/19/2016 15:13	0
438	9/19/2016 15:14	0
439	9/19/2016 15:14	0
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441	9/19/2016 15:14	0
442	9/19/2016 15:14	0
443	9/19/2016 15:14	0
444	9/19/2016 15:14	0
445	9/19/2016 15:14	0
446	9/19/2016 15:14	0
447	9/19/2016 15:14	0
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449	9/19/2016 15:14	0
450	9/19/2016 15:15	0
451	9/19/2016 15:15	0
452	9/19/2016 15:15	0
453	9/19/2016 15:15	0
454	9/19/2016 15:15	0
455	9/19/2016 15:15	0
456	9/19/2016 15:15	0

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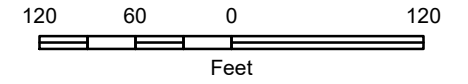
LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
457	9/19/2016 15:15	0
458	9/19/2016 15:15	0
459	9/19/2016 15:15	0
460	9/19/2016 15:15	0
461	9/19/2016 15:15	0
462	9/19/2016 15:16	0
463	9/19/2016 15:16	0
464	9/19/2016 15:16	0
465	9/19/2016 15:16	0
466	9/19/2016 15:16	0
467	9/19/2016 15:16	0
468	9/19/2016 15:16	0
469	9/19/2016 15:16	0
470	9/19/2016 15:17	0
471	9/19/2016 15:17	0
472	9/19/2016 15:17	0
473	9/19/2016 15:17	0
474	9/19/2016 15:17	0
475	9/19/2016 15:17	0
476	9/19/2016 15:17	0
477	9/19/2016 15:17	0
478	9/19/2016 15:18	0
479	9/19/2016 15:18	0
480	9/19/2016 15:18	0
481	9/19/2016 15:18	0
482	9/19/2016 15:18	0
483	9/19/2016 15:18	0
484	9/19/2016 15:18	0
485	9/19/2016 15:18	0
486	9/19/2016 15:20	0
487	9/19/2016 15:45	0
488	9/19/2016 15:45	0
489	9/19/2016 15:45	0
490	9/19/2016 15:45	0
491	9/19/2016 15:45	0
492	9/19/2016 15:45	0
493	9/19/2016 15:46	0
494	9/19/2016 15:46	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
495	9/19/2016 15:46	0
496	9/19/2016 15:46	0
497	9/19/2016 15:46	0
498	9/19/2016 15:46	0
499	9/19/2016 15:46	0
500	9/19/2016 15:46	0
501	9/19/2016 15:46	0
502	9/19/2016 15:46	0
503	9/19/2016 15:46	0
504	9/19/2016 15:47	0
505	9/19/2016 15:47	0
506	9/19/2016 15:47	0
507	9/19/2016 15:47	0
508	9/19/2016 15:47	0
509	9/19/2016 15:48	0
510	9/19/2016 15:48	0
511	9/19/2016 15:48	0
512	9/19/2016 15:48	0
513	9/19/2016 15:48	0
514	9/19/2016 15:48	0
515	9/19/2016 15:48	0
516	9/19/2016 15:48	0
517	9/19/2016 15:48	0
518	9/19/2016 15:48	0
519	9/19/2016 15:48	0
520	9/19/2016 15:48	0
521	9/19/2016 15:49	0
522	9/19/2016 15:49	0
523	9/19/2016 15:49	0
524	9/19/2016 15:49	0
525	9/19/2016 15:49	0
526	9/19/2016 15:49	0
527	9/19/2016 15:49	0
528	9/19/2016 15:49	0
529	9/19/2016 15:49	0
530	9/19/2016 15:49	0
531	9/19/2016 15:49	0
532	9/19/2016 15:49	0

FORMER NAZARETH LANDFILL
SURFACE EMISSION MONITORING RESULTS FROM SEPTEMBER 2016
Monitoring Performed by INTERA Incorporated Using City Equipment

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
533	9/19/2016 15:50	0
534	9/19/2016 15:50	0
535	9/19/2016 15:50	0
536	9/19/2016 15:50	0
537	9/19/2016 15:50	0
538	9/19/2016 15:50	0
539	9/19/2016 15:50	0
540	9/19/2016 15:50	0
541	9/19/2016 15:50	0
542	9/19/2016 15:50	0
543	9/19/2016 15:50	0
544	9/19/2016 15:50	0
545	9/19/2016 15:51	0
546	9/19/2016 15:51	0
547	9/19/2016 15:51	0
548	9/19/2016 15:51	0
549	9/19/2016 15:51	0
550	9/19/2016 15:51	0
551	9/19/2016 15:51	0
552	9/19/2016 15:51	0
553	9/19/2016 15:51	0
554	9/19/2016 15:51	0
555	9/19/2016 15:51	0
556	9/19/2016 15:51	0
557	9/19/2016 15:52	0
558	9/19/2016 15:52	0
559	9/19/2016 15:52	0
560	9/19/2016 15:52	0
561	9/19/2016 15:52	0
562	9/19/2016 15:52	0
563	9/19/2016 15:57	0
564	9/19/2016 15:57	0
565	9/19/2016 15:57	0
566	9/19/2016 15:57	0
567	9/19/2016 15:57	0
568	9/19/2016 15:57	0

LOCATION ID	DATE AND TIME OF MEASUREMENT	ADJUSTED TOC CONCENTRATION (ppmv)
569	9/19/2016 15:57	0
570	9/19/2016 15:57	9066
571	9/19/2016 15:58	10099.7
572	9/19/2016 15:58	55.6
573	9/19/2016 15:58	2.2
574	9/19/2016 15:58	0
575	9/19/2016 15:58	0
576	9/19/2016 15:58	0
577	9/19/2016 15:58	0
578	9/19/2016 15:58	0
579	9/19/2016 15:58	0
580	9/19/2016 15:58	0
581	9/19/2016 15:58	0
582	9/19/2016 15:58	0
583	9/19/2016 15:59	0
584	9/19/2016 15:59	0
585	9/19/2016 15:59	0
586	9/19/2016 15:59	0
587	9/19/2016 16:00	0
588	9/19/2016 16:00	0
589	9/19/2016 16:00	0
590	9/19/2016 16:00	0
591	9/19/2016 16:00	0
592	9/19/2016 16:01	0
593	9/19/2016 16:01	0
594	9/19/2016 16:01	0
595	9/19/2016 16:01	0
596	9/19/2016 16:01	70.9
597	9/19/2016 16:01	74.5
598	9/19/2016 16:01	0
599	9/19/2016 16:02	0
600	9/19/2016 16:02	29.6
601	9/19/2016 16:02	329.4
602	9/19/2016 16:02	822.5
603	9/19/2016 16:02	429.4



Source(s):
Aerial Imagery - ArcGIS online, dated 2014

Legend

- Discrete SEM Data Point
- SEM Walking Path

Note: The surface emission monitoring was performed with a flame ionization detector that was programmed to collect a data point and reading every 5 seconds.

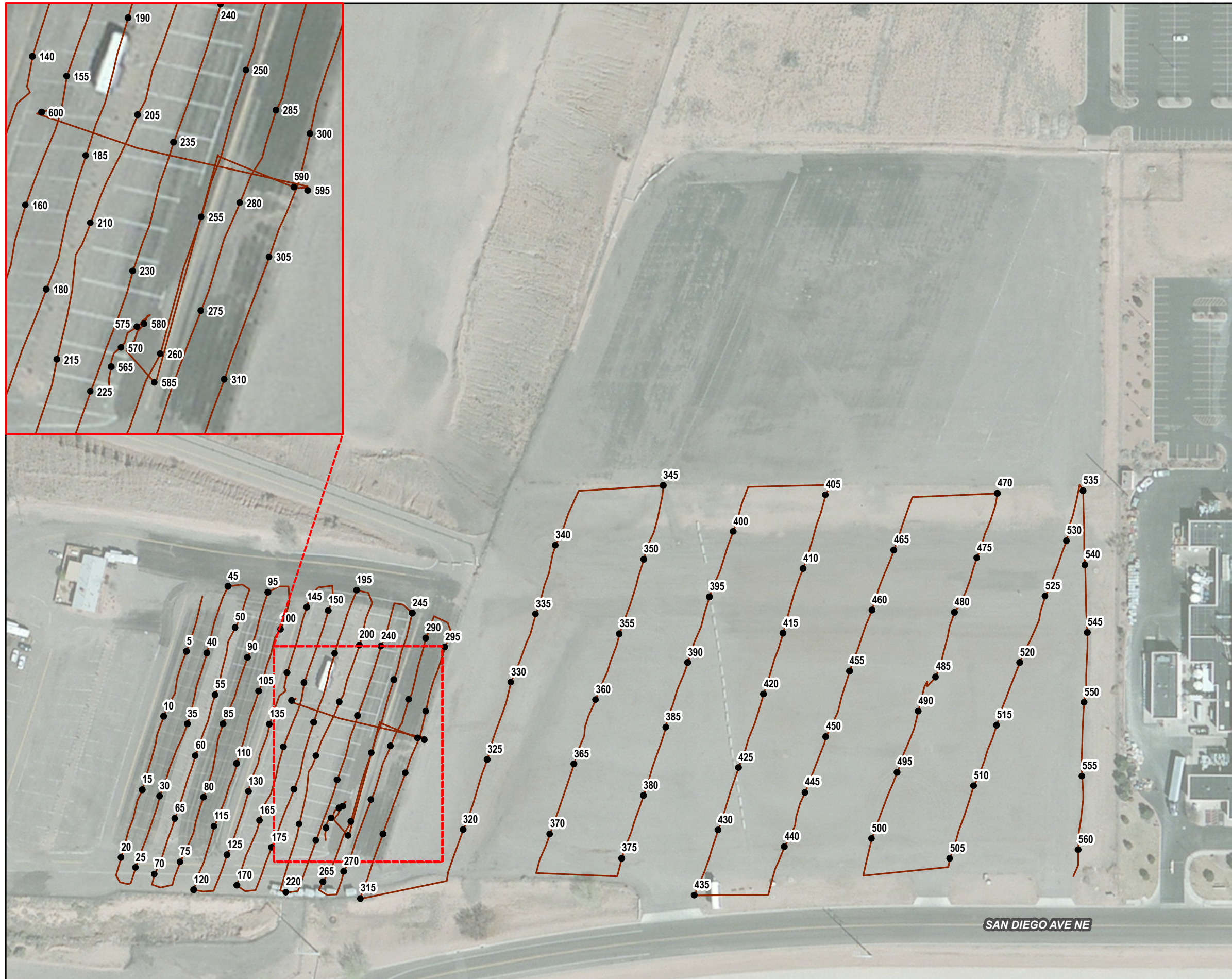


Figure1
September 2016 Surface Emission
Monitoring (SEM): Path Walked
COA Former Nazareth Landfill