ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Wednesday, August 13, 2014 9:57 AM
To: Allen, Pam, NMENV
Subject: FW: Waste face picture and reentry plans
Attachments: Radiation Detection Sampling Schedule Timeline 4-14-14.xlsx

April

From: Russell Hardy [mailto:rhardy@cemrc.org]
Sent: Tuesday, April 15, 2014 10:09 AM
To: 'Oba Vincent'; Kliphuis, Trais, NMENV; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Bob.Kehrman@wipp.ws'; 'Rick.Chavez@wipp.ws'; 'Stone.Nick@epa.gov'; Smith, Coleman, NMENV; 'brozowski.george@epa.gov'; 'Fraass, Ron'; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'; Maestas, Ricardo, NMENV
Cc: 'George Basabilvazo - WIPPNet'; 'Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)'; 'Pace, Berry (Berry.Pace@wipp.ws)'; 'Alton.Harris@em.doe.gov'; 'Susan McCauslin'; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP (Scott.Kennedy@wipp.ws)'; 'Jones, Stewart - RES'; 'Berta Oates'; 'schultheisz.daniel@epa.gov'; 'Philip Theisen - ORISE'; 'Russ Patterson - WIPPNet'; 'Kouba, Steve - WRES (Steve.Kouba@wipp.ws)'; 'Roger Nelson - WIPPNet'; 'Bignell, Dale - CTAC'
Subject: RE: Waste face picture and reentry plans

Good morning all, attached is an updated sampling spreadsheet for CEMRC ambient air and station A & B sampling activities. The latest results from ambient air samplers (week of 3/29-4/4) shows that Am activity has returned to pre-event activity levels and Pu is undetectable for all three ambient air sampling sites including the on-site sampler located near station B exhaust.

These results will also be uploaded to the ICLN website.

Thanks,

Russell Hardy, Ph.D.
Director
Carlsbad Environmental Monitoring & Research Center
1400 University Drive
Carlsbad, NM 88220
(575) 234-5555 phone
(575) 234-55573 fax

From: Oba Vincent [mailto:oba.vincent@cbfo.doe.gov]
Sent: Monday, April 14, 2014 1:36 PM
To: 'Kliphuis, Trais'; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Bob.Kehrman@wipp.ws'; 'Rick.Chavez@wipp.ws'; 'Stone.Nick@epa.gov'; 'coleman.smith@state.nm.us'; 'brozowski.george@epa.gov'; 'Fraass, Ron'; Russell Hardy; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'; 'Maestas, Ricardo, NMENV <Ricardo.Maestas@state.nm.us> (Ricardo.Maestas@state.nm.us)'
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)'; 'Pace, Berry (Berry.Pace@wipp.ws)'; 'Alton.Harris@em.doe.gov'; Susan McCauslin; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP (Scott.Kennedy@wipp.ws)'; 'Jones, Stewart - RES'; 'Berta Oates'; 'schultheisz.daniel@epa.gov'; Philip Theisen - ORISE; Russ Patterson - WIPPNet; 'Kouba, Steve - WRES (Steve.Kouba@wipp.ws)'; Roger Nelson - WIPPNet; 'Bignell,

140470

Dale - CTAC'
Subject: Waste face picture and reentry plans

I just posted the waste face picture (also attached) and the reentry plans for phase 3.

Thanks

Oba

From: Oba Vincent
Sent: Monday, April 14, 2014 10:41 AM
To: 'Kliphuis, Trais'; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Bob.Kehrman@wipp.ws'; 'Rick.Chavez@wipp.ws'; 'Stone.Nick@epa.gov'; 'coleman.smith@state.nm.us'; 'brozowski.george@epa.gov'; 'Fraass, Ron'; 'Russell Hardy'; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'; Maestas, Ricardo, NMENV <Ricardo.Maestas@state.nm.us> (Ricardo.Maestas@state.nm.us)
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)'; 'Pace, Berry (Berry.Pace@wipp.ws)'; 'Alton.Harris@em.doe.gov'; Susan McCauslin; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP (Scott.Kennedy@wipp.ws)'; 'Jones, Stewart - RES'; 'Berta Oates'; 'schultheisz.daniel@epa.gov'; Philip Theisen - ORISE; Russ Patterson - WIPPNet; 'Kouba, Steve - WRES (Steve.Kouba@wipp.ws)'; Roger Nelson - WIPPNet; 'Bignell, Dale - CTAC'
Subject: WIPP Information - For Call Today, Number 1 888 413 3490, Code 7175394

Attached is the list of action items, filter performance data and station A/B data.

Below is a summary of the discussion points for today: (Please note, activities and dates are subject to change. Please verify the most current dates of any information provided).

- Station A and B Sampling: The CAM at Station B is functioning. Discussions are continuing regarding the CAM set point. The system is expected to go into service on 4/18. NWP hopes to return approximately 90 additional workers to the site on 4/21. (No change)
- SS and AIS Shaft/Rope Inspections: The weekly MSHA compliance inspection are due on 4/16.
- Contamination survey to the waste face (Phase 3): This has been broken into multiple activities. A decision was made to not require the level B suits for these entries. Based on observed conditions, this may allow all activities to be accomplished during one entry.
    - Activity 1: Survey and proceed to airlock between W30 & E140 and to E140/S2000. Survey and proceed to airlock between W30 & E140 and to E140/S2000. Task completed on 4/12. No contamination was found. The mine ground conditions observed during the entry were good. 46 bolts were observed to be broken during the distance of the entry, which is below the acceptance criteria of 10 bolts/per 25 linear feet. (Entry covered approximately 1,900 linear feet.) Results were better than anticipated.
    - Activity 2: Survey and proceed to E140/S2520 to evaluate future safe operating base at the Waste Handling Lunchroom; Survey to S2750 and shine light to Panel 6 entrance; Survey to W170/S2520. The diesel generator PM has been delayed until May. This entry is planned for Wednesday or Thursday.
    - Activity 3: Establish safe operating base in WH lunchroom and survey to W170/S2520
    - Activity 4: Identify source at Panel 7 Waste Face or Identify source at Panel 6 Note: Activities 2, 3 and 4 may be performed during the same entry, depending on contamination conditions
- The filter change mock-up is planned for April 15 and 16. NWP has completed a critical review the filter replacement schedule and determined that they can be task ready on 5/12 (ten days earlier). Additional filters are expected on 4/17. (No Change)

- The current Mod filter DPs are: 856 HEPA Bank – 2.24; 857 HEPA Bank – 1.74. The alarm set point is 2.5. NWP is evaluating making an adjustment to the Mod filter alarm point this week. Close monitoring of the mod filter dp's is being performed while continuing to prepare for filter replacement.
- Shipments of TRU waste from LANL to WCS are continuing: 7 shipments are expected this week due to the holiday.

NOTE CALL-IN NUMBER: 1 888 413 3490, Code 7175394

Thanks

Oba

Sample ID #	Sampling Site	Date Installed	Time Installed	Date Removed	Time Removed	Date Rec. @ CEMRC	Time Rec. @ CEMRC	Date Anal. Started	Date Analysis Completed	Flow Rate	Minutes	Bq/M3 Conversion Factor	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/M3 Gamma	241Am Bq/Sample Alpha Spectroscopy	241Am Bq/M3 Alpha	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3	137Cs Bq/Sample	137Cs Bq/M3
29197	Near Field Hi-Vol #107	2/11/2014	11:54	2/16/2014	9:02	2/16/2014	13:00	2/16/2014	2/19/2014	1.13	7,028	7,942			0.645	0.000081	0.046	0.000006	n/d	n/d	n/d	n/d
29199	Near Field Hi-Vol #107	2/16/2014	9:10	2/18/2014	10:03	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	2,933	3,314			0.007	0.000002	n/d	n/d	n/d	n/d	n/d	n/d
29202	Near Field Hi-Vol #107	2/18/2014	10:10	2/25/2014	18:02	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,552	11,924			0.017	0.000001	0.005	0.0000004	n/d	n/d	n/d	n/d
30306	Near Field Hi-Vol #107	2/25/2014	18:05	3/4/2014	15:06	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	9,901	11,188			0.004	0.0000003	0.001	0.0000001	n/d	n/d	n/d	n/d
30308	Near Field Hi-Vol #107	3/4/2014	15:09	3/11/2014	10:01	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,212	12,670			n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30311	Near Field Hi-Vol #107	3/11/2014	10:09	3/21/2014	9:30	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,361	16,228			0.002	0.0000001	n/d	n/d	n/d	n/d	n/d	n/d
30314	Near Field Hi-Vol #107	3/21/2014	9:34	3/29/2014	15:31	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,877	13,421			Recounting	Recounting	Recounting	Recounting	Recounting	Recounting	n/d	n/d
30317	Near Field Hi-Vol #107	3/29/2014	15:34	4/4/2014	10:00	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,306	9,386			0.0004	0.00000004	n/d	n/d	Recounting	Recounting	n/d	n/d
29198	Cactus Flats Hi-Vol #108	2/11/2014	12:39	2/16/2014	9:37	2/16/2014	13:00	2/16/2014	2/19/2014	1.13	6,838	7,727			n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29200	Cactus Flats Hi-Vol #108	2/16/2014	9:41	2/18/2014	10:43	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	2,942	3,324			0.005	0.0000014	n/d	n/d	n/d	n/d	n/d	n/d
30303	Cactus Flats Hi-Vol #108	2/18/2014	10:47	2/25/2014	15:09	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,342	11,686			0.007	0.0000006	0.001	0.0000001	n/d	n/d	n/d	n/d
30304	Cactus Flats Hi-Vol #108	2/25/2014	15:14	3/4/2014	14:30	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	10,036	11,341			n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30309	Cactus Flats Hi-Vol #108	3/4/2014	14:35	3/11/2014	10:55	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,300	12,769			0.001	0.0000001	n/d	n/d	n/d	n/d	n/d	n/d
30312	Cactus Flats Hi-Vol #108	3/11/2014	10:59	3/21/2014	9:58	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,341	16,205			0.002	0.0000001	0.002	0.0000001	n/d	n/d	n/d	n/d
30315	Cactus Flats Hi-Vol #108	3/21/2014	10:03	3/29/2014	14:56	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,813	13,349			n/d	n/d	Recounting	Recounting	Recounting	Recounting	n/d	n/d
30318	Cactus Flats Hi-Vol #108	3/29/2014	15:02	4/4/2014	10:26	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,364	9,451			n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29196	On-Site Hi-Vol #106	2/11/2014	10:16	2/18/2014	9:05	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	10,011	11,312			1.30	0.000115	0.115	0.0000102	0.004	0.0000004	n/d	n/d
29201	On-Site Hi-Vol #106	2/18/2014	9:11	2/25/2014	17:15	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,564	11,937			0.020	0.000002	0.004	0.0000003	0.004	0.0000003	n/d	n/d
30305	On-Site Hi-Vol #106	2/25/2014	17:19	3/4/2014	15:26	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	9,967	11,263			0.007	0.0000006						
30307	On-Site Hi-Vol #106	3/4/2014	15:30	3/11/2014	9:02	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,132	12,579			n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30310	On-Site Hi-Vol #106	3/11/2014	9:06	3/21/2014	8:39	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,374	16,243			0.013	0.0000008	n/d	n/d	n/d	n/d	n/d	n/d
30313	On-Site Hi-Vol #106	3/21/2014	8:41	3/29/2014	16:25	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,984	13,542			0.0005	0.00000003	n/d	n/d	n/d	n/d	n/d	n/d
30316	On-Site Hi-Vol #106	3/29/2014	16:29	4/4/2014	8:54	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,185	9,249			0.0005	0.00000005	n/d	n/d	n/d	n/d	n/d	n/d
30192	Station A A2BU	2/14/2014	7:43	2/15/2014	6:30	2/18/2014	13:00	2/19/2014	2/28/2014	1.8225	1,367	70.58	96,333.33	1,364.95	306,000.00	4,335.71	47,400.00	671.610	2,140.00	30.322	0.34	0.005
30193	Station A A2BU	2/15/2014	6:30	2/15/2014	8:40	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	130	7.37	3,830.00	520.00	8,660.00	1,175.76	1,374.00	186.547	72.00	9.775		
30194	Station A A2BU	2/15/2014	8:40	2/15/2014	23:30	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	850	48.16	6,540.00	135.80	11,150.00	231.53	870.00	18.065	37.60	0.78075		
30208	Station A A2BU	2/15/2014	23:30	2/16/2014	8:50	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	560	31.73	831.33	26.20	Bad Recovery	Bad Recovery	40.21	1.267	1.80	0.05677		
30209	Station A A2BU	2/16/2014	8:50	2/16/2014	16:50	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	480	27.20	227.38	8.36	229.32	8.43	17.05	0.6270	1.24	0.04571		
30210	Station A A2BU	2/16/2014	16:50	2/17/2014	0:15	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	445	25.21	76.50	3.03	73.36	2.91	6.19	0.2454	4.03	0.15992		
30211	Station A A2BU	2/17/2014	0:15	2/17/2014	8:20	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	485	27.48	58.17	2.12	57.96	2.11	5.01	0.1824	0.626	0.02278		
30185	Station A A2BU	2/17/2014	8:20	2/17/2014	16:20	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	480	27.20	25.90	0.953	21.14	0.777	1.93	0.0710	0.146	0.00537		
30186	Station A A2BU	2/17/2014	16:20	2/18/2014	0:10	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	470	26.63	18.96	0.712	37.12	1.39	1.85	0.0694	0.090	0.00338		
30187	Station A A2BU	2/18/2014	0:10	2/18/2014	8:20	2/18/2014	13:00	2/19/2014	2/28/2014	2.00	490	27.76	6.96	0.251	12.88	0.464	0.700	0.0252	0.032	0.00115		
30204	Station A A2BU	2/18/2014	8:20	2/18/2014	16:05	2/18/2014	19:00	2/21/2014	2/28/2014	2.00	465	26.35	8.22	0.312	9.29	0.353	0.820	0.0311	0.039	0.00148		
30205	Station A A2BU	2/18/2014	16:05	2/19/2014	0:40	2/19/2014	2:00	2/21/2014	2/28/2014	2.00	515	29.19	12.16	0.417	10.66	0.365	0.950	0.0326	0.044	0.00151		
30206	Station A A2BU	2/19/2014	0:40	2/19/2014	8:23	2/19/2014	11:00	2/21/2014	2/28/2014	2.00	463	26.23	5.28	0.201	4.62	0.176	0.380	0.0145	0.018	0.00069		
30207	Station A A2BU	2/19/2014	8:23	2/19/2014	16:00	2/19/2014	19:00	2/21/2014	2/28/2014	2.00	457	25.89	4.60	0.178	3.86	0.149	0.358	0.0138	0.020	0.00077		
30256	Station A A2BU	2/19/2014	16:00	2/20/2014	0:08	2/20/2014	2:00	2/21/2014	2/28/2014	2.00	488	27.65	3.98	0.144	4.32	0.156	0.432	0.0156	0.016	0.00058		
30257	Station A A2BU	2/20/2014	0:10	2/20/2014	8:17	2/20/2014	11:00	2/21/2014	2/28/2014	2.00	487	27.59	8.12	0.294	8.28	0.300	0.724	0.0262	0.031	0.00112		
30258	Station A A2BU	2/20/2014	8:17	2/20/2014	16:24	2/20/2014	19:00	2/21/2014	2/28/2014	2.00	487	27.59	3.58	0.130	3.34	0.121	0.302	0.0109	0.013	0.00047		
30259	Station A A2BU	2/20/2014	16:24	2/21/2014	0:12	2/21/2014	2:00	2/21/2014	2/28/2014	2.00	468	26.52	4.82	0.182	4.16	0.157	0.428	0.0161	0.021	0.00079		
30260	Station A A2BU	2/21/2014	0:12	2/21/2014	8:45	2/21/2014	11:00	2/21/2014	2/28/2014	2.00	513	29.07	9.68	0.333	8.98	0.309	0.810	0.0279	0.039	0.00134		
30261	Station A A2BU	2/21/2014	8:45	2/21/2014	16:00	2/21/2014	19:00	2/26/2014														
30262	Station A A2BU	2/21/2014	16:03	2/22/2014	0:50	2/22/2014	2:00	2/26/2014	3/4/2014	2.00	962	54.50	7.86	0.144	8.18	0.150	0.870	0.0160	0.037	0.00068		
30263	Station A A2BU	2/22/2014	0:50	2/22/2014	8:30	2/22/2014	11:00	2/26/2014														
30323	Station A A2BU	2/22/2014	8:30	2/22/2014	16:15	2/22/2014	19:00	2/26/2014														
30324	Station A A2BU	2/22/2014	16:15	2/23/2014	0:11	2/23/2014	2:00	2/26/2014	3/4/2014	2.00	1,401	79.38	34.00	0.428	29.10	0.367	3.46	0.0436	0.150	0.00189		
30325	Station A A2BU	2/23/2014	0:11	2/23/2014	8:30	2/23/2014	11:00	2/26/2014														
30326	Station A A2BU	2/23/2014	8:30	2/23/2014	16:15	2/23/2014	19:00	2/26/2014														
30253	Station A A2BU	2/23/2014	16:15	2/24/2014	0:25	2/24/2014	2:00	2/26/2014	3/4/2014	2.00	1,154	65.38	12.52	0.191	11.80	0.180	1.37	0.0210	0.061	0.00094		
30254	Station A A2BU	2/24/2014	0:25	2/24/2014	9:16	2/24/2014	11:00	2/28/2014														
30255	Station A A2BU	2/24/2014	9:17	2/24/2014	17:00	2/24/2014	19:00	2/28/2014														
30131	Station A A2BU	2/24/2014	17:00	2/25/2014	0:05	2/25/2014	2:00	2/28/2014	3/11/2014	2.00	1,419	80.40	6.36	0.079	7.24	0.090	0.662	0.0082	0.037	0.00046		
30132	Station A A2BU	2/25/2014	0:05	2/25/2014	8:30	2/25/2014	11:00	2/28/2014														
30133	Station A A2BU	2/25/2014	8:30	2/25/2014	16:28	2/25/2014	19:00	2/28/2014														
30134	Station A A2BU	2/25/2014	16:28	2/26/2014	0:25	2/26/2014	2:00	2/28/2014	3/11/2014	2.00	1,460	82.72	4.76	0.058	5.20	0.063	0.480	0.0058	0.344	0.00416		
30135	Station A A2BU	2/26/2014	0:25	2/26/2014	8:45	2/26/2014	11:00	2/28/2014														

30136	Station A A2BU	2/26/2014	8:45	2/26/2014	16:38	2/26/2014	19:00	2/28/2014														
30137	Station A A2BU	2/26/2014	16:40	2/27/2014	0:15	2/27/2014	2:00	2/28/2014	3/11/2014	2.00	1,431	81.08	2.48	0.031	1.74	0.021	0.175	0.0022	0.007	0.00009		
30327	Station A A2BU	2/27/2014	0:15	2/27/2014	8:55	2/27/2014	11:00	2/28/2014														
30328	Station A A2BU	2/27/2014	8:58	2/27/2014	16:34	2/27/2014	19:00	2/28/2014														
30331	Station A A2BU	2/27/2014	16:37	2/28/2014	0:16	2/28/2014	2:00	2/28/2014	3/11/2014	2.00	1,495	84.70	1.44	0.017	1.41	0.017	0.143	0.0017	0.007	0.00008		
30332	Station A A2BU	2/28/2014	0:16	2/28/2014	8:35	2/28/2014	11:00	2/28/2014														
30330	Station A A2BU	2/28/2014	8:35	2/28/2014	16:15	2/28/2014	19:00	3/4/2014														
30333	Station A A2BU	2/28/2014	16:15	3/1/2014	1:04	3/1/2014	2:00	3/4/2014	3/19/2014	2.00	1,488	84.31	n/a	n/a	1.03	0.012	0.088	0.0010	0.004	0.00004		
30334	Station A A2BU	3/1/2014	1:04	3/1/2014	8:55	3/1/2014	11:00	3/4/2014														
30351	Station A A2BU	3/1/2014	8:55	3/1/2014	16:56	3/1/2014	19:00	3/4/2014														
30354	Station A A2BU	3/1/2014	16:56	3/2/2014	0:07	3/2/2014	2:00	3/4/2014	3/19/2014	2.00	1,383	78.36	n/a	n/a	1.79	0.023	0.188	0.0024	0.008	0.00010		
30353	Station A A2BU	3/2/2014	0:07	3/2/2014	8:25	3/2/2014	11:00	3/4/2014														
30352	Station A A2BU	3/2/2014	8:25	3/2/2014	16:50	3/2/2014	19:00	3/4/2014														
30343	Station A A2BU	3/2/2014	16:50	3/3/2014	1:06	3/3/2014	2:00	3/4/2014	3/19/2014	2.00	1,499	84.93	n/a	n/a	1.32	0.016	0.126	0.0015	0.005	0.00006		
30344	Station A A2BU	3/3/2014	1:06	3/3/2014	8:17	3/3/2014	11:00	3/4/2014														
30345	Station A A2BU	3/3/2014	8:17	3/3/2014	16:30	3/3/2014	19:00	3/4/2014														
30346	Station A A2BU	3/3/2014	16:30	3/4/2014	0:34	3/4/2014	2:00	3/4/2014	3/19/2014	2.00	1,408	79.77	n.a	n/a	1.01	0.013	0.210	0.0026	0.009	0.00011		
30347	Station A A2BU	3/4/2014	0:34	3/4/2014	8:20	3/4/2014	11:00	3/4/2014														
30348	Station A A2BU	3/4/2014	8:20	3/4/2014	16:01	3/4/2014	19:00	3/10/2014														
30349	Station A A2BU	3/4/2014	16:01	3/5/2014	0:22	3/5/2014	2:00	3/10/2014	3/19/2014	2.00	1,428	80.91	2.76	0.034	2.88	0.036	0.278	0.0034	0.013	0.00016		
30350	Station A A2BU	3/5/2014	0:22	3/5/2014	8:21	3/5/2014	11:00	3/10/2014														
30251	Station A A2BU	3/5/2014	8:26	3/5/2014	16:05	3/5/2014	19:00	3/10/2014														
30252	Station A A2BU	3/5/2014	16:05	3/6/2014	0:40	3/6/2014	2:00	3/10/2014	3/19/2014	2.00	1,454	82.38	1.59	0.019	1.79	0.022	0.172	0.0021	0.008	0.00010		
30335	Station A A2BU	3/6/2014	0:40	3/6/2014	8:25	3/6/2014	11:00	3/10/2014														
30138	Station A A2BU	3/6/2014	8:25	3/6/2014	16:00	3/6/2014	19:00	3/10/2014														
30295	Station A A2BU	3/6/2014	16:00	3/7/2014	0:15	3/7/2014	2:00	3/10/2014	3/19/2014	2.00	1,415	80.17	0.686	0.009	0.77	0.010	0.078	0.0010	0.004	0.00004		
30296	Station A A2BU	3/7/2014	0:15	3/7/2014	10:55	3/7/2014	13:00	3/10/2014														
30297	Station A A2BU	3/7/2014	10:55	3/7/2014	16:35	3/7/2014	19:00	3/10/2014														
30329	Station A A2BU	3/7/2014	16:35	3/8/2014	0:29	3/8/2014	2:00	3/10/2014	3/19/2014	2.00	1,454	82.36	1.39	0.017	1.70	0.021	0.044	0.0005	0.004	0.00005		
30369	Station A A2BU	3/8/2014	0:29	3/8/2014	8:05	3/8/2014	11:00	3/10/2014														
30370	Station A A2BU	3/8/2014	8:05	3/9/2014	0:20	3/9/2014	2:00	3/10/2014	3/19/2014	2.00	1,431	81.08	0.746	0.009	0.77	0.010	0.078	0.0010	0.003	0.00004		
30371	Station A A2BU	3/9/2014	0:20	3/9/2014	8:30	3/9/2014	11:00	3/10/2014														
30372	Station A A2BU	3/9/2014	8:30	3/9/2014	16:15	3/9/2014	19:00	3/10/2014														
30374	Station A A2BU	3/9/2014	16:15	3/10/2014	0:10	3/10/2014	2:00	3/10/2014	3/19/2014	2.00	1,430	81.02	0.832	0.010	0.62	0.008	0.060	0.0007	0.002	0.00003		
30375	Station A A2BU	3/10/2014	0:10	3/10/2014	8:35	3/10/2014	11:00	3/10/2014														
30376	Station A A2BU	3/10/2014	8:35	3/10/2014	16:20	3/10/2014	19:00	3/13/2014														
30377	Station A A2BU	3/10/2014	16:20	3/11/2014	0:30	3/11/2014	2:00	3/13/2014	3/19/2014	2.00	1,460	82.72	1.15	0.014	1.10	0.013	0.099	0.0012	0.005	0.00006		
30378	Station A A2BU	3/11/2014	0:30	3/11/2014	8:15	3/11/2014	11:00	3/13/2014														
30379	Station A A2BU	3/11/2014	8:15	3/11/2014	16:00	3/11/2014	19:00	3/13/2014														
30380	Station A A2BU	3/11/2014	16:00	3/12/2014	0:10	3/12/2014	2:00	3/13/2014	3/19/2014	2.00	1,420	80.45	1.20	0.015	1.08	0.013	0.107	0.0013	0.005	0.00006		
30402	Station A A2BU	3/12/2014	0:10	3/12/2014	8:20	3/12/2014	11:00	3/13/2014														
30403	Station A A2BU	3/12/2014	8:20	3/12/2014	16:10	3/12/2014	19:00	3/13/2014														
30404	Station A A2BU	3/12/2014	16:10	3/13/2014	0:20	3/13/2014	2:00	3/13/2014	3/19/2014	2.00	1,450	82.15	0.644	0.008	0.85	0.010	0.063	0.0008	0.003	0.00004		
30405	Station A A2BU	3/13/2014	0:20	3/13/2014	8:30	3/13/2014	11:00	3/13/2014														
30406	Station A A2BU	3/13/2014	8:30	3/13/2014	16:10	3/13/2014	19:00	3/17/2014														
30407	Station A A2BU	3/13/2014	16:10	3/14/2014	0:18	3/14/2014	2:00	3/17/2014	3/19/2014	2.00	1,438	81.47	4.68	0.057	7.14	0.088	0.720	0.0088	0.034	0.00042		
30408	Station A A2BU	3/14/2014	0:18	3/14/2014	9:10	3/14/2014	11:00	3/17/2014														
30409	Station A A2BU	3/14/2014	9:10	3/14/2014	16:15	3/14/2014	19:00	3/17/2014														
30410	Station A A2BU	3/14/2014	16:15	3/15/2014	0:05	3/15/2014	2:00	3/17/2014	3/21/2014	2.00	1,427	80.85	0.480	0.006	0.52	0.006	0.050	0.0006	0.002	0.00002		
30420	Station A A2BU	3/15/2014	0:05	3/15/2014	8:15	3/15/2014	11:00	3/17/2014														
30421	Station A A2BU	3/15/2014	8:15	3/15/2014	16:10	3/15/2014	19:00	3/17/2014														
30422	Station A A2BU	3/15/2014	16:10	3/16/2014	0:01	3/16/2014	2:00	3/17/2014	3/21/2014	2.00	1,436	81.36	1.11	0.014	0.89	0.011	0.088	0.0011	0.005	0.00006		
30423	Station A A2BU	3/16/2014	0:01	3/16/2014	8:12	3/16/2014	11:00	3/17/2014														
30424	Station A A2BU	3/16/2014	8:12	3/16/2014	16:07	3/16/2014	19:00	3/17/2014														
30425	Station A A2BU	3/16/2014	16:07	3/17/2014	0:07	3/17/2014	2:00	3/17/2014	3/28/2014	2.00	1,446	81.93	0.467	0.006	0.49	0.006	0.055	0.0007	0.003	0.00004		
30426	Station A A2BU	3/17/2014	0:07	3/17/2014	8:35	3/17/2014	11:00	3/17/2014														
30427	Station A A2BU	3/17/2014	8:35	3/17/2014	16:10	3/17/2014	19:00	3/21/2014														
30428	Station A A2BU	3/17/2014	16:10	3/18/2014	0:01	3/18/2014	2:00	3/21/2014	3/28/2014	2.00	1,434	81.25	0.450	0.006	0.61	0.008	0.051	0.0006	0.002	0.00002		
30429	Station A A2BU	3/18/2014	0:01	3/18/2014	8:40	3/18/2014	11:00	3/21/2014														
30430	Station A A2BU	3/18/2014	8:40	3/18/2014	16:04	3/18/2014	19:00	3/21/2014														
30431	Station A A2BU	3/18/2014	16:04	3/19/2014	0:15	3/19/2014	2:00	3/21/2014	3/28/2014	2.00	1,454	82.38	1.43	0.017	1.26	0.015	0.161	0.0020	0.005	0.00006		
30432	Station A A2BU	3/19/2014	0:15	3/19/2014	8:40	3/19/2014	11:00	3/21/2014														
30433	Station A A2BU	3/19/2014	8:40	3/19/2014	16:28	3/19/2014	19:00	3/21/2014														
30434	Station A A2BU	3/19/2014	16:28	3/20/2014	0:05	3/20/2014	2:00	3/21/2014	3/28/2014	2.00	1,430	81.02	0.582	0.007	0.72	0.009	0.082	0.0010	0.003	0.00004		
30435	Station A A2BU	3/20/2014	0:05	3/20/2014	8:29	3/20/2014	11:00	3/21/2014														
30436	Station A A2BU	3/20/2014	8:29	3/20/2014	16:15	3/20/2014	19:00	3/21/2014														
30437	Station A A2BU	3/20/2014	16:15	3/21/2014	0:05	3/21/2014	2:00	3/24/2014	3/28/2014	2.00	1,440	81.59	0.974	0.012	1.18	0.014	0.108	0.0013	0.006	0.00007		
30438	Station A A2BU	3/21/2014	0:05	3/21/2014	8:00	3/21/2014	11:00	3/24/2014														

30439	Station A A2BU	3/21/2014	8:00	3/21/2014	16:00	3/21/2014	19:00	3/24/2014															
30472	Station A A2BU	3/21/2014	16:00	3/22/2014	0:10	3/22/2014	2:00	3/24/2014	3/28/2014	2.00	1,445	81.87	1.06	0.013	1.28	0.016	0.129	0.0016	0.006	0.00007		
30473	Station A A2BU	3/22/2014	0:10	3/22/2014	8:40	3/22/2014	11:00	3/24/2014														
30474	Station A A2BU	3/22/2014	8:40	3/22/2014	16:27	3/22/2014	19:00	3/24/2014														
30475	Station A A2BU	3/22/2014	16:27	3/23/2014	0:15	3/23/2014	2:00	3/24/2014	3/28/2014	2.00	1,445	81.87	0.736	0.009	0.87	0.011	0.085	0.0010	0.004	0.00005		
30476	Station A A2BU	3/23/2014	0:15	3/23/2014	8:31	3/23/2014	11:00	3/24/2014														
30477	Station A A2BU	3/23/2014	8:31	3/23/2014	16:26	3/23/2014	19:00	3/24/2014														
30478	Station A A2BU	3/23/2014	16:26	3/24/2014	0:15	3/24/2014	2:00	3/24/2014	3/28/2014	2.00	1,440	81.59	1.57	0.019	1.54	0.019	0.153	0.0019	0.007	0.00009		
30479	Station A A2BU	3/24/2014	0:15	3/24/2014	8:45	3/24/2014	11:00	3/24/2014														
30480	Station A A2BU	3/24/2014	8:45	3/24/2014	16:30	3/24/2014	19:00	3/27/2014														
30387	Station A A2BU	3/24/2014	16:30	3/25/2014	0:15	3/25/2014	2:00	3/27/2014	4/6/2014	2.00	1,440	81.59	1.53	0.019	1.58	0.019	0.171	0.0021	0.007	0.00008		
30388	Station A A2BU	3/25/2014	0:15	3/25/2014	8:06	3/25/2014	11:00	3/27/2014														
30389	Station A A2BU	3/25/2014	8:06	3/25/2014	16:30	3/25/2014	19:00	3/27/2014														
30390	Station A A2BU	3/25/2014	16:30	3/26/2014	0:33	3/26/2014	2:00	3/27/2014	4/6/2014	2.00	1,458	82.61	1.06	0.013	1.12	0.014	0.125	0.0015	0.005	0.00006		
30391	Station A A2BU	3/26/2014	0:33	3/26/2014	8:35	3/26/2014	11:00	3/27/2014														
30392	Station A A2BU	3/26/2014	8:35	3/26/2014	16:15	3/26/2014	19:00	3/27/2014														
30481	Station A A2BU	3/26/2014	16:15	3/27/2014	0:01	3/27/2014	2:00	3/27/2014	4/6/2014	2.00	1,408	79.77	1.02	0.013	0.84	0.011	0.094	0.0012	0.004	0.00005		
30482	Station A A2BU	3/27/2014	0:01	3/27/2014	8:01	3/27/2014	11:00	3/27/2014														
30492	Station A A2BU	3/27/2014	8:01	3/27/2014	15:55	3/27/2014	19:00	3/28/2014														
30493	Station A A2BU	3/27/2014	15:55	3/28/2014	0:16	3/28/2014	2:00	3/28/2014	4/6/2014	2.00	1,455	82.46	0.634	0.008	0.61	0.007	0.064	0.0008	0.004	0.00004		
30578	Station A A2BU	3/28/2014	0:16	3/28/2014	8:30	3/28/2014	11:00	3/28/2014														
30579	Station A A2BU	3/28/2014	8:30	3/28/2014	16:20	3/28/2014	19:00	3/31/2014														
30580	Station A A2BU	3/28/2014	16:20	3/29/2014	0:00	3/29/2014	2:00	3/31/2014	4/6/2014	2.00	1,424	80.68	1.71	0.021	2.04	0.025	0.220	0.0027	0.011	0.00013		
30581	Station A A2BU	3/29/2014	0:00	3/29/2014	8:55	3/29/2014	11:00	3/31/2014														
30582	Station A A2BU	3/29/2014	8:55	3/29/2014	16:15	3/29/2014	19:00	3/31/2014														
30503	Station A A2BU	3/29/2014	16:15	3/29/2014	23:40	3/30/2014	2:00	3/31/2014	4/6/2014	2.00	1,420	80.45	0.517	0.006	0.61	0.008	0.085	0.0011	0.005	0.00006		
30504	Station A A2BU	3/29/2014	23:40	3/30/2014	8:40	3/30/2014	11:00	3/31/2014														
30505	Station A A2BU	3/30/2014	8:40	3/30/2014	16:15	3/30/2014	19:00	3/31/2014														
30506	Station A A2BU	3/30/2014	16:15	3/31/2014	0:35	3/31/2014	2:00	3/31/2014	4/6/2014	2.00	1,435	81.30	0.360	0.004	0.56	0.007	0.052	0.0006	0.002	0.00002		
30507	Station A A2BU	3/31/2014	0:35	3/31/2014	8:25	3/31/2014	11:00	4/1/2014														
30508	Station A A2BU	3/31/2014	8:30	3/31/2014	16:20	3/31/2014	19:00	4/1/2014														
30509	Station A A2BU	3/31/2014	16:25	4/1/2014	0:00	4/1/2014	19:00	4/2/2014	4/6/2014	2.00	1,395	79.04	0.264	0.003	0.30	0.004	0.033	0.0004	0.002	0.00002		
30511	Station A A2BU	4/1/2014	0:00	4/1/2014	8:15	4/1/2014	11:00	4/1/2014														
30518	Station A A2BU	4/1/2014	8:15	4/1/2014	16:06	4/1/2014	19:00	4/2/2014														
30519	Station A A2BU	4/1/2014	16:06	4/2/2014	0:20	4/2/2014	11:00	4/2/2014	4/11/2014	2.00	1,460	82.72	0.484	0.006	0.47	0.006	0.057	0.0007	0.003	0.00004		
30520	Station A A2BU	4/2/2014	0:20	4/2/2014	8:40	4/2/2014	11:00	4/2/2014														
30521	Station A A2BU	4/2/2014	8:40	4/2/2014	16:25	4/2/2014	19:00	4/3/2014														
30522	Station A A2BU	4/2/2014	16:25	4/3/2014	0:30	4/3/2014	11:00	4/3/2014	4/11/2014	2.00	1,450	82.15	0.694	0.008	0.56	0.007	0.064	0.0008	0.002	0.00003		
30593	Station A A2BU	4/3/2014	0:30	4/3/2014	8:42	4/3/2014	11:00	4/3/2014														
30594	Station A A2BU	4/3/2014	8:42	4/3/2014	16:34	4/3/2014	19:00	4/4/2014														
30595	Station A A2BU	4/3/2014	16:34	4/4/2014	0:20	4/4/2014	11:00	4/4/2014	4/11/2014	2.00	1,426	80.79	counting	counting	0.89	0.011	0.080	0.0010	0.002	0.00003		
30596	Station A A2BU	4/4/2014	0:20	4/4/2014	8:00	4/4/2014	11:00	4/4/2014														
30597	Station A A2BU	4/4/2014	8:00	4/4/2014	16:00	4/4/2014	19:00	4/7/2014														
30598	Station A A2BU	4/4/2014	16:00	4/5/2014	0:10	4/5/2014	11:00	4/7/2014	4/11/2014	2.00	1,430	81.03	0.680	0.008	0.76	0.009	0.089	0.0011	0.004	0.00005		
30599	Station A A2BU	4/5/2014	0:10	4/5/2014	8:15	4/5/2014	11:00	4/7/2014														
30600	Station A A2BU	4/5/2014	8:15	4/5/2014	16:15	4/5/2014	19:00	4/7/2014														
30601	Station A A2BU	4/5/2014	16:15	4/6/2014	0:02	4/6/2014	11:00	4/7/2014	4/11/2014	2.00	1,432	81.13	0.160	0.002								
30592	Station A A2BU	4/6/2014	0:02	4/6/2014	8:13	4/6/2014	11:00	4/7/2014														
30618	Station A A2BU	4/6/2014	8:13	4/6/2014	16:15	4/6/2014	19:00	4/7/2014														
30619	Station A A2BU	4/6/2014	16:15	4/7/2014	0:05	4/7/2014	11:00	4/7/2014	4/11/2014	2.00	1,443	81.76	0.446	0.005								
30620	Station A A2BU	4/7/2014	0:05	4/7/2014	8:15	4/7/2014	11:00	4/7/2014														
30621	Station A A2BU	4/7/2014	8:15	4/7/2014	16:20	4/7/2014	19:00	4/8/2014														
30622	Station A A2BU	4/7/2014	16:20	4/8/2014	0:01	4/8/2014	11:00	4/8/2014		2.00	1,436	81.36										
30636	Station A A2BU	4/8/2014	0:01	4/8/2014	8:10	4/8/2014	11:00	4/8/2014														
30637	Station A A2BU	4/8/2014	8:10	4/8/2014	16:15	4/8/2014	19:00	4/9/2014														
30638	Station A A2BU	4/8/2014	16:15	4/9/2014	0:00	4/9/2014	11:00	4/9/2014		2.00	1,444	81.81										
30639	Station A A2BU	4/9/2014	0:00	4/9/2014	8:25	4/9/2014	11:00	4/9/2014														
30640	Station A A2BU	4/9/2014	8:25	4/9/2014	16:05	4/9/2014	19:00	4/10/2014														
30641	Station A A2BU	4/9/2014	16:05	4/10/2014	0:05	4/10/2014	11:00	4/10/2014		2.00	1,445	81.87										
30642	Station A A2BU	4/10/2014	0:05	4/10/2014	8:25	4/10/2014	11:00	4/10/2014		2.00	500	28.33										
Sample ID #	Sampling Site	Date Installed	Time Installed	Date Removed	Time Removed	Date Rec. @ CEMRC	Time Rec. @ CEMRC	Date Anal. Started	Date Analysis Completed	Flow Rate	Minutes	Bq/M3 Conversion Factor	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/M3 Gamma	241Am Bq/Sample Alpha Spectroscopy	241Am Bq/M3 Alpha	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3	137Cs Bq/Sample	137Cs Bq/M3
30197	Station B B1	2/14/2014	7:55	2/18/2014	16:55	2/19/2014	19:00	2/21/2014	2/28/2014	2.07	6,240	365.92	667.90	1.825	842.00	2.30	82.7333	0.22610	11.94	0.032622		
30198	Station B B1	2/18/2014	16:55	2/19/2014	1:10	2/19/2014	19:00	2/21/2014	2/28/2014	2.06	495	28.94	1.35	0.047	1.70	0.0589	0.148	0.00512	0.0066	0.000228		

30199	Station B B1	2/19/2014	1:11	2/19/2014	9:00	2/19/2014	19:00	2/21/2014	2/28/2014	2.08	469	27.58	0.750	0.027	0.930	0.0337	0.105	0.00381	0.0053	0.000192		
30200	Station B B1	2/19/2014	9:00	2/19/2014	16:27	2/19/2014	19:00	2/21/2014	2/28/2014	2.08	447	26.29	1.33	0.051	1.53	0.0583	0.202	0.00768	0.0114	0.000434		
30201	Station B B1	2/19/2014	16:27	2/20/2014	0:35	2/20/2014	2:00	2/21/2014	2/28/2014	2.08	487	28.64	1.21	0.042	1.45	0.0508	0.121	0.00422	0.0063	0.000220		
30202	Station B B1	2/20/2014	0:35	2/20/2014	8:52	2/20/2014	11:00	2/21/2014	2/28/2014	2.06	497	29.06	1.14	0.039	1.08	0.0373	0.101	0.00347	0.0039	0.000134		
30212	Station B B1	2/20/2014	8:52	2/20/2014	16:54	2/20/2014	19:00	2/21/2014	2/28/2014	2.08	482	28.35	1.89	0.067	1.95	0.0687	0.199	0.00702	0.0066	0.000233		
30213	Station B B1	2/20/2014	16:54	2/21/2014	0:38	2/21/2014	2:00	2/21/2014	2/28/2014	2.07	464	27.21	0.478	0.018	0.926	0.0340	0.084	0.00308	0.0057	0.000209		
30214	Station B 81	2/21/2014	0:38	2/21/2014	8:28	2/21/2014	11:00	2/21/2014	2/28/2014	2.06	470	27.48	0.680	0.025	0.736	0.0268	0.062	0.00224	0.0028	0.000102		
30223	Station B B1	2/21/2014	8:20	2/21/2014	16:00	2/21/2014	19:00	2/26/2014														
30224	Station B B1	2/21/2014	16:05	2/22/2014	0:19	2/22/2014	2:00	2/26/2014	3/4/2014	2.08	954	56.10	2.02	0.036	2.52	0.0449	0.250	0.00446	0.0111	0.000198		
30225	Station B B1	2/22/2014	0:19	2/22/2014	8:10	2/22/2014	11:00	2/26/2024														
30226	Station B B1	2/22/2014	8:10	2/22/2014	16:00	2/22/2014	19:00	2/26/2014														
30227	Station B B1	2/22/2014	16:01	2/22/2014	23:56	2/22/2014	2:00	2/26/2014	3/4/2014	2.07	1,416	82.99	0.912	0.011	1.58	0.0191	0.150	0.00181	0.0058	0.000070		
30228	Station B B1	2/22/2014	23:56	2/23/2014	8:10	2/23/2014	11:00	2/26/2024														
30229	Station B B1	2/23/2014	8:10	2/23/2014	16:05	2/23/2014	19:00	2/26/2014														
30230	Station B B1	2/23/2014	16:05	2/24/2014	0:15	2/24/2014	2:00	2/26/2014	3/4/2014	2.06	1,459	85.31	1.06	0.012	1.04	0.0122	0.098	0.00115	0.0044	0.000052		
30231	Station B B1	2/24/2014	0:15	2/24/2014	8:43	2/24/2014	11:00	2/28/2014														
30232	Station B B1	2/24/2014	8:44	2/24/2014	16:31	2/24/2014	19:00	2/28/2014														
30283	Station B B1	2/24/2014	16:31	2/25/2014	0:16	2/25/2014	2:00	2/28/2014	3/11/2014	2.08	1,440	84.69	0.396	0.005	0.514	0.0061	0.054	0.00063	0.0018	0.000021		
30284	Station B B1	2/25/2014	0:16	2/25/2014	9:02	2/25/2014	11:00	2/28/2014														
30285	Station B B1	2/25/2014	9:02	2/25/2014	16:52	2/25/2014	19:00	2/28/2014														
30286	Station B B1	2/25/2014	16:52	2/26/2014	0:10	2/26/2014	2:00	2/28/2014	3/11/2014	2.08	1,434	84.33	0.212	0.003	0.298	0.0035	0.027	0.00032	0.0052	0.000062		
30287	Station B B1	2/26/2014	0:10	2/26/2014	9:21	2/26/2014	11:00	2/28/2014														
30288	Station B B1	2/26/2014	9:21	2/26/2014	16:16	2/26/2014	19:00	2/28/2014														
30289	Station B B1	2/26/2014	16:16	2/27/2014	0:30	2/27/2014	2:00	2/28/2014	3/11/2014	2.08	1,433	84.28	0.438	0.005	0.340	0.0040	0.037	0.00044	0.0063	0.000075		
30290	Station B B1	2/27/2014	0:30	2/27/2014	8:20	2/27/2014	11:00	2/28/2014														
30291	Station B B1	2/27/2014	8:20	2/28/2014	0:12	2/28/2014	2:00	2/28/2014	3/11/2014	2.064	1,422	83.14	0.272	0.003	0.296	0.0036	0.031	0.00037	0.0066	0.000079		
30292	Station B B1	2/28/2014	0:12	2/28/2014	9:27	2/28/2014	11:00	2/28/2014														
30293	Station B B1	2/28/2014	9:27	2/28/2014	17:05	2/28/2014	19:00	3/4/2014														
30294	Station B B1	2/28/2014	17:05	3/1/2014	1:44	3/1/2014	2:00	3/4/2014	3/19/2014	2.069	1,532	89.79	n/a	n/a	0.296	0.0033	0.029	0.00032	0.0014	0.000015		
30336	Station B B1	3/1/2014	1:44	3/1/2014	9:15	3/1/2014	11:00	3/4/2014														
30337	Station B B1	3/1/2014	9:15	3/1/2014	16:37	3/1/2014	19:00	3/4/2014														
30338	Station B B1	3/1/2014	16:37	3/2/2014	0:45	3/2/2014	2:00	3/4/2014	3/19/2014	2.076	1,371	80.63	n/a	n/a	0.368	0.0046	0.036	0.00045	0.0017	0.000021		
30339	Station B B1	3/2/2014	0:45	3/2/2014	8:50	3/2/2014	11:00	3/4/2014														
30340	Station B B1	3/2/2014	8:50	3/2/2014	16:30	3/2/2014	19:00	3/4/2014														
30341	Station B B1	3/2/2014	16:30	3/3/2014	0:20	3/3/2014	2:00	3/4/2014	3/19/2014	2.064	1,415	82.74	n/a	n/a	0.958	0.0116	0.087	0.00106	0.0045	0.000055		
30342	Station B B1	3/3/2014	0:20	3/3/2014	8:20	3/3/2014	11:00	3/4/2014														
30355	Station B B1	3/3/2014	8:20	3/3/2014	16:20	3/3/2014	19:00	3/4/2014														
30356	Station B B1	3/3/2014	16:20	3/4/2014	1:14	3/4/2014	2:00	3/4/2014	3/19/2014	2.07	1,494	87.61	n/a	n/a	1.03	0.0118	0.204	0.00233	0.0086	0.000098		
30357	Station B B1	3/4/2014	1:14	3/4/2014	8:15	3/4/2014	11:00	3/4/2014														
30358	Station B B1	3/4/2014	8:15	3/4/2014	16:10	3/4/2014	19:00	3/10/2014														
30359	Station B B1	3/4/2014	16:10	3/5/2014	0:05	3/5/2014	2:00	3/10/2014	3/19/2014	2.064	1,369	80.05	0.180	0.002	0.386	0.0048	0.025	0.00031	0.0010	0.000013		
30360	Station B B1	3/5/2014	0:05	3/5/2014	8:10	3/5/2014	11:00	3/10/2014														
30361	Station B B1	3/5/2014	8:10	3/5/2014	16:18	3/5/2014	19:00	3/10/2014														
30362	Station B B1	3/5/2014	16:18	3/6/2014	0:15	3/6/2014	2:00	3/10/2014	3/19/2014	2.064	1,450	84.78	1.45	0.017	1.66	0.0196	0.156	0.00184	0.0077	0.000090		
30363	Station B B1	3/6/2014	0:15	3/6/2014	8:35	3/6/2014	11:00	3/10/2014														
30364	Station B B1	3/6/2014	8:35	3/6/2014	16:35	3/6/2014	19:00	3/10/2014														
30365	Station B B1	3/6/2014	16:35	3/7/2014	0:01	3/7/2014	2:00	3/10/2014	3/19/2014	2.064	1,426	83.38	0.112	0.001	0.136	0.0016	0.013	0.00016	0.0001	0.000002		
30366	Station B B1	3/7/2014	0:01	3/7/2014	11:40	3/7/2014	13:00	3/10/2014														
30367	Station B B1	3/7/2014	11:40	3/7/2014	17:10	3/7/2014	19:00	3/10/2014														
30368	Station B B1	3/7/2014	17:10	3/8/2014	0:15	3/8/2014	2:00	3/10/2014	3/21/2014	2.058	1,454	84.77	0.196	0.002	0.252	0.0030	0.085	0.00101	0.0034	0.000040		
30381	Station B B1	3/8/2014	0:15	3/8/2014	8:55	3/8/2014	11:00	3/10/2014														
30382	Station B B1	3/8/2014	8:55	3/8/2014	17:50	3/8/2014	19:00	3/10/2014														
30383	Station B B1	3/8/2014	17:50	3/9/2014	0:45	3/9/2014	2:00	3/10/2014	3/21/2014	2.07	1,410	82.68	0.306	0.004	0.406	0.0049	0.032	0.00039	0.0020	0.000024		
30384	Station B B1	3/9/2014	0:45	3/9/2014	9:05	3/9/2014	11:00	3/10/2014														
30385	Station B B1	3/9/2014	9:05	3/9/2014	16:50	3/9/2014	19:00	3/10/2014														
30386	Station B B1	3/9/2014	16:50	3/10/2014	0:10	3/10/2014	2:00	3/10/2014	3/21/2014	2.052	1,405	81.67	n/d	n/d	0.095	0.0012	0.009	0.00011	0.0003	0.000003		
30393	Station B B1	3/10/2014	0:10	3/10/2014	9:15	3/10/2014	11:00	3/10/2014														
30394	Station B B1	3/10/2014	9:15	3/10/2014	16:40	3/10/2014	19:00	3/13/2014														
30395	Station B B1	3/10/2014	16:40	3/11/2014	0:50	3/11/2014	2:00	3/13/2014	3/21/2014	2.07	1,480	86.79	n/d	n/d	0.089	0.0010	0.007	0.00008	0.0010	0.000011		
30396	Station B B1	3/11/2014	0:50	3/11/2014	8:47	3/11/2014	11:00	3/13/2014														
30397	Station B B1	3/11/2014	8:47	3/11/2014	16:19	3/11/2014	19:00	3/13/2014														
30398	Station B B1	3/11/2014	16:19	3/12/2014	0:30	3/12/2014	2:00	3/13/2014	3/21/2014	2.064	1,420	83.03	1.58	0.019	1.36	0.0164	0.137	0.00165	0.0055	0.000066		
30399	Station B B1	3/12/2014	0:30	3/12/2014	8:45	3/12/2014	11:00	3/13/2014														
30400	Station B B1	3/12/2014	8:45	3/12/2014	16:35	3/12/2014	19:00	3/13/2014														
30401	Station B B1	3/12/2014	16:35	3/13/2014	0:47	3/13/2014	2:00	3/13/2014	3/21/2014	2.07	1,457	85.44	0.478	0.006	0.426	0.0050	0.038	0.00044	0.0018	0.000021		
30411	Station B B1	3/13/2014	0:47	3/13/2014	8:57	3/13/2014	11:00	3/13/2014														
30412	Station B B1	3/13/2014	8:57	3/13/2014	16:35	3/13/2014	19:00	3/17/2014														
30413	Station B B1	3/13/2014	16:35	3/14/2014	0:50	3/14/2014	2:00	3/17/2014	3/21/2014	2.064	1,443	84.37	0.137	0.002	0.195	0.0023	0.019	0.00023	0.0004	0.000005		

30414	Station B B1	3/14/2014	0:50	3/14/2014	8:15	3/14/2014	11:00	3/17/2014															
30415	Station B B1	3/14/2014	8:17	3/14/2014	16:45	3/14/2014	19:00	3/17/2014															
30416	Station B B1	3/14/2014	16:47	3/15/2014	0:20	3/15/2014	2:00	3/17/2014	3/21/2014	2.076	1,406	82.69	0.103	0.001	0.094	0.0011	0.010	0.00012	0.0004	0.000005			
30417	Station B B1	3/15/2014	0:20	3/15/2014	8:50	3/15/2014	11:00	3/17/2014															
30418	Station B B1	3/15/2014	8:50	3/15/2014	16:35	3/15/2014	19:00	3/17/2014															
30419	Station B B1	3/15/2014	16:35	3/16/2014	0:30	3/16/2014	2:00	3/17/2014	3/21/2014	2.064	1,450	84.78	0.166	0.002	0.328	0.0039	0.030	0.00035	0.0054	0.000064			
30451	Station B B1	3/16/2014	0:30	3/16/2014	8:35	3/16/2014	11:00	3/17/2014															
30452	Station B B1	3/16/2014	8:35	3/16/2014	16:28	3/16/2014	19:00	3/17/2014															
30453	Station B B1	3/16/2014	16:28	3/17/2014	0:30	3/17/2014	2:00	3/17/2014	3/28/2014	2.07	1,439	84.38	0.298	0.004	0.112	0.0013	0.011	0.00013	0.0006	0.000007			
30454	Station B B1	3/17/2014	0:30	3/17/2014	9:30	3/17/2014	11:00	3/17/2014															
30455	Station B B1	3/17/2014	9:30	3/17/2014	16:48	3/17/2014	19:00	3/21/2014															
30456	Station B B1	3/17/2014	16:48	3/18/2014	0:15	3/18/2014	2:00	3/21/2014	3/28/2014	2.07	1,425	83.56	n/a	n/a	0.050	0.0006	0.003	0.00004	0.0006	0.000007			
30440	Station B B1	3/18/2014	0:15	3/18/2014	9:40	3/18/2014	11:00	3/21/2014															
30441	Station B B1	3/18/2014	9:40	3/18/2014	16:35	3/18/2014	19:00	3/21/2014															
30442	Station B B1	3/18/2014	16:35	3/19/2014	0:30	3/19/2014	2:00	3/21/2014	3/28/2014	2.064	1,455	85.07	n/a	n/a	0.174	0.0020	0.019	0.00022	0.0005	0.000006			
30457	Station B B1	3/19/2014	0:30	3/19/2014	9:28	3/19/2014	11:00	3/21/2014															
30458	Station B B1	3/19/2014	9:28	3/19/2014	17:03	3/19/2014	19:00	3/21/2014															
30459	Station B B1	3/19/2014	17:03	3/20/2014	0:20	3/20/2014	2:00	3/21/2014	3/28/2014	2.064	1,430	83.61	n/a	n/a	0.246	0.0029	0.025	0.00030	0.0015	0.000018			
30460	Station B B1	3/20/2014	0:20	3/20/2014	9:10	3/20/2014	11:00	3/21/2014															
30461	Station B B1	3/20/2014	9:10	3/20/2014	16:43	3/20/2014	19:00	3/21/2014															
30462	Station B B1	3/20/2014	16:43	3/21/2014	0:20	3/21/2014	2:00	3/24/2014	3/28/2014	2.064	1,440	84.20	n/a	n/a	0.137	0.0016	0.011	0.00013	0.0009	0.000011			
30463	Station B B1	3/21/2014	0:20	3/21/2014	8:15	3/21/2014	11:00	3/24/2014				-											
30464	Station B B1	3/21/2014	8:15	3/21/2014	16:05	3/21/2014	19:00	3/24/2014				-											
30465	Station B B1	3/21/2014	16:05	3/22/2014	0:01	3/22/2014	2:00	3/24/2014	3/28/2014	2.064	1,421	83.09	n/a	n/a	0.083	0.0010	0.006	0.00007	0.0004	0.000005			
30466	Station B B1	3/22/2014	0:01	3/22/2014	8:05	3/22/2014	11:00	3/24/2014				-											
30467	Station B B1	3/22/2014	8:05	3/22/2014	16:07	3/22/2014	19:00	3/24/2014				-											
30468	Station B B1	3/22/2014	16:07	3/23/2014	0:00	3/23/2014	2:00	3/24/2014	3/28/2014	2.064	1,438	84.08	n/a	n/a	0.062	0.0007	0.006	0.00007	0.0003	0.000004			
30469	Station B B1	3/23/2014	0:00	3/23/2014	8:10	3/23/2014	11:00	3/24/2014				-											
30470	Station B B1	3/23/2014	8:10	3/23/2014	16:07	3/23/2014	19:00	3/24/2014				-											
30471	Station B B1	3/23/2014	16:07	3/24/2014	0:00	3/24/2014	2:00	3/24/2014	3/28/2014	2.064	1,440	84.20	n/a	n/a	0.053	0.0006	0.003	0.00004	n/d	n/d			
30563	Station B B1	3/24/2014	0:00	3/24/2014	8:10	3/24/2014	11:00	3/24/2014															
30564	Station B B1	3/24/2014	8:10	3/24/2014	16:10	3/24/2014	19:00	3/27/2014															
30565	Station B B1	3/24/2014	16:10	3/25/2014	0:00	3/25/2014	2:00	3/27/2014	4/6/2014	2.07	1440	84.44	n/a	n/a	0.043	0.0005	0.003	0.00004	n/d	n/d			
30566	Station B B1	3/25/2014	0:00	3/25/2014	8:25	3/25/2014	11:00	3/27/2014															
30567	Station B B1	3/25/2014	8:25	3/25/2014	16:12	3/25/2014	19:00	3/27/2014															
30568	Station B B1	3/25/2014	16:12	3/26/2014	0:12	3/26/2014	2:00	3/27/2014	4/6/2014	2.076	1,452	85.39	n/a	n/a	0.039	0.0005	0.005	0.00005	0.0001	0.000002			
30569	Station B B1	3/26/2014	0:12	3/26/2014	8:10	3/26/2014	11:00	3/27/2014															
30570	Station B B1	3/26/2014	8:10	3/26/2014	16:00	3/26/2014	19:00	3/27/2014															
30571	Station B B1	3/26/2014	16:00	3/27/2014	0:20	3/27/2014	2:00	3/27/2014	4/6/2014	2.064	1,448	84.66	n/a	n/a	0.018	0.0002	0.002	0.00002	n/d	n/d			
30572	Station B B1	3/27/2014	0:20	3/27/2014	8:20	3/27/2014	11:00	3/27/2014															
30573	Station B B1	3/27/2014	8:20	3/27/2014	10:15	3/27/2014	19:00	3/28/2014															
30574	Station B B1	3/27/2014	10:15	3/27/2014	16:15	3/27/2014	19:00	3/28/2014															
30575	Station B B1	3/27/2014	16:15	3/28/2014	0:01	3/28/2014	2:00	3/28/2014	4/6/2014	2.058	1,421	82.84	n/a	n/a	0.032	0.0004	0.004	0.00005	0.0005	0.000006			
30576	Station B B1	3/28/2014	0:01	3/28/2014	8:05	3/28/2014	11:00	3/28/2014															
30577	Station B B1	3/28/2014	8:05	3/28/2014	16:00	3/28/2014	19:00	3/31/2014															
30494	Station B B1	3/28/2014	16:00	3/29/2014	0:20	3/29/2014	2:00	3/31/2014	4/6/2014	2.064	1,459	85.31	n/a	n/a	0.033	0.0004	0.004	0.00004	n/d	n/d			
30495	Station B B1	3/29/2014	0:20	3/29/2014	8:21	3/29/2014	11:00	3/31/2014															
30496	Station B B1	3/29/2014	8:21	3/29/2014	16:00	3/29/2014	19:00	3/31/2014															
30497	Station B B1	3/29/2014	16:00	3/30/2014	0:25	3/30/2014	2:00	3/31/2014	4/6/2014	2.07	1,447	84.85	n/a	n/a	0.024	0.0003	0.004	0.00005	n/d	n/d			
30498	Station B B1	3/30/2014	0:25	3/30/2014	8:10	3/30/2014	11:00	3/31/2014															
30499	Station B B1	3/30/2014	8:10	3/30/2014	16:03	3/30/2014	19:00	3/31/2014															
30500	Station B B1	3/30/2014	16:03	3/31/2014	1:00	3/31/2014	2:00	3/31/2014	4/6/2014	2.058	1,475	85.99	n/a	n/a	0.026	0.0003	0.002	0.00003	0.0007	0.000008			
30501	Station B B1	3/31/2014	1:00	3/31/2014	8:00	3/31/2014	11:00	4/1/2014															
30502	Station B B1	3/31/2014	8:05	3/31/2014	16:00	3/31/2014	19:00	4/1/2014															
30512	Station B B1	3/31/2014	16:05	4/1/2014	0:20	4/1/2014	19:00	4/2/2014	4/6/2014	2.076	1,390	81.75	n/a	n/a	0.018	0.0002	0.002	0.00003	n/d	n/d			
30513	Station B B1	4/1/2014	0:20	4/1/2014	8:30	4/1/2014	11:00	4/1/2014															
30514	Station B B1	4/1/2014	8:30	4/1/2014	16:15	4/1/2014	19:00	4/2/2014															
30515	Station B B1	4/1/2014	16:15	4/2/2014	0:05	4/2/2014	11:00	4/2/2014	4/11/2014	2.064	1,425	83.32	n/a	n/a	0.025	0.0003	0.004	0.00004	n/d	n/d			
30516	Station B B1	4/2/2014	0:05	4/2/2014	8:10	4/2/2014	11:00	4/2/2014															
30517	Station B B1	4/2/2014	8:10	4/2/2014	16:02	4/2/2014	19:00	4/3/2014															
30602	Station B B1	4/2/2014	16:02	4/3/2014	0:15	4/3/2014	11:00	4/3/2014	4/11/2014	2.064	1440	84.20	n/a	n/a	0.053	0.0006	0.005	0.00006	0.0004	0.000005			
30603	Station B B1	4/3/2014	0:15	4/3/2014	8:15	4/3/2014	11:00	4/3/2014															
30604	Station B B1	4/3/2014	8:15	4/3/2014	16:13	4/3/2014	19:00	4/4/2014															
30605	Station B B1	4/3/2014	16:13	4/4/2014	0:03	4/4/2014	11:00	4/4/2014	4/11/2014	2.076	1428	83.98	n/a	n/a	0.088	0.0011	0.007	0.00009	0.0001	0.000002			
30606	Station B B1	4/4/2014	0:05	4/4/2014	8:40	4/4/2014	11:00	4/4/2014															
30607	Station B B1	4/4/2014	8:40	4/4/2014	16:20	4/4/2014	19:00	4/7/2014															
30608	Station B B1	4/4/2014	16:20	4/5/2014	0:40	4/5/2014	11:00	4/7/2014	4/11/2014	2.058	1475	85.99	n/a	n/a	0.034	0.0004	0.004	0.00005	0.0005	0.000006			
30609	Station B B1	4/5/2014	0:40	4/5/2014	9:00	4/5/2014	11:00	4/7/2014															

30610	Station B B1	4/5/2014	9:00	4/5/2014	16:50	4/5/2014	19:00	4/7/2014														
30611	Station B B1	4/5/2014	16:50	4/6/2014	0:15	4/6/2014	11:00	4/7/2014		2.07	1415	82.98										
30612	Station B B1	4/6/2014	0:15	4/6/2014	8:43	4/6/2014	11:00	4/7/2014														
30613	Station B B1	4/6/2014	8:43	4/6/2014	16:27	4/6/2014	19:00	4/7/2014														
30614	Station B B1	4/6/2014	16:27	4/7/2014	0:10	4/7/2014	11:00	4/7/2014		2.07	1435	84.15										
30615	Station B B1	4/7/2014	0:10	4/7/2014	8:00	4/7/2014	11:00	4/7/2014														
30616	Station B B1	4/7/2014	8:00	4/7/2014	16:10	4/7/2014	19:00	4/8/2014														
30617	Station B B1	4/7/2014	16:10	4/8/2014	0:15	4/8/2014	11:00	4/8/2014		2.038	1445	83.43										
30627	Station B B1	4/8/2014	0:15	4/8/2014	8:00	4/8/2014	11:00	4/8/2014														
30628	Station B B1	4/8/2014	8:00	4/8/2014	16:00	4/8/2014	19:00	4/9/2014														
30629	Station B B1	4/8/2014	16:00	4/9/2014	0:15	4/9/2014	11:00	4/9/2014		2.064	1440	84.20										
30630	Station B B1	4/9/2014	0:15	4/9/2014	8:10	4/9/2014	11:00	4/9/2014														
30631	Station B B1	4/9/2014	8:10	4/9/2014	16:25	4/9/2014	19:00	4/10/2014														
30632	Station B B1	4/9/2014	16:25	4/10/2014	0:20	4/10/2014	11:00	4/10/2014		2.07	1445	84.74										
30633	Station B B1	4/10/2014	0:20	4/10/2014	8:04	4/10/2014	11:00	4/10/2014		2.076	464	27.29										

Sampling Site	Distance to WIPP Exhaust Shaft	Date Removed	241Am Bq/Sample	239+240Pu Bq/Sample	238Pu Bq/Sample
Near Field Hi-Vol	0.6 Mile NW	2/16/2014	0.645	0.046	n/d
Near Field Hi-Vol		2/18/2014	0.007	n/d	n/d
Near Field Hi-Vol		2/25/2014	0.017	0.005	n/d
Cactus Flats Hi-Vol	12 Miles SE	2/16/2014	n/d	n/d	n/d
Cactus Flats Hi-Vol		2/18/2014	0.005	n/d	n/d
Cactus Flats Hi-Vol		2/25/2014	0.007	0.001	n/d
On-Site Hi-Vol	300 Feet	2/18/2014	1.30	0.115	0.004
On-Site Hi-Vol		2/25/2014	0.020	0.004	0.004
Highest Activity (Pre-Event)			*0.0005*	*0.004*	*0.004*