

APPENDIX B: AIR MONITORING ANALYTICAL RESULTS

Bauxite III Sampling Results (As of 11/28/25)

Agent	Units	Count	Metals		PAH (Benzo(a)pyrene)	Hydrogen Cyanide	Fluorides	PCB (Aroclor 1242)	Sample Description
Method			NIOSH 7303 (Inorganic As, NIOSH 7303 (Total Cr, NIOSH 5506		NIOSH 7904	NIOSH 7902	NIOSH 5503		
OSHA PEL	mg/m3		>0.01	>0.5	>0.2	>11	>2.5	>0.5	
11/13/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	<0.0012 (A)	On 4ft stilt, approximately 5ft from where Jemco staff installing explosives for blasting, downwind.
11/12/2025	mg/m3	5	<0.00065	<0.0049 (A)	<0.00099 (A)	<0.023 (A)	<0.0043 (A)	<0.0012 (A)	South-central of Pad A during installation of DelMarva's SE sanitary line, area sample on perimeter
11/10/2025	mg/m3	5	<0.00063	<0.0047 (P)	<0.00095 (P)	<0.022 (P)	<0.0042 (P)	<0.0012 (P)	Personal samples on DelMarva trench worker Christian (Metals), trench worker Juan Fuentes (PCB), excavator operator Luis Viera (F), trench worker Alfredo (PAH), trench worker Robin Chavez (HC)
11/7/2025	mg/m3	5	<0.00065	<0.0049 (A)	<0.00099 (A)	<0.023 (A)	<0.0043 (A)	<0.0012 (A)	S Central of Pad A, DelMarva Excavation Area, N of Work Area
11/5/2025	mg/m3	5	<0.00065	<0.0049 (A)	<0.00099 (A)	<0.023 (A)	<0.0043 (A)	<0.0012 (A)	Area samples S of Pad A, E Side of DelMarva Excavation Area
11/4/2025	mg/m3	5	<0.00067	<0.0050 (A)	<0.0010 (A)	<0.021 (A)	<0.0044 (A)	<0.0012 (A)	Area samples S of Pad A, NE Side of DelMarva Excavation Area
10/28/2025	mg/m3	5	<0.00069	<0.0052 (P)	<0.00082 (P)	<0.021 (P)	<0.0042 (P)	<0.0012 (P)	Personal samples on trench workers Carlos Hernandez (M), Juan Jose Fuentes (PCB); Excavator operators Robert Navarrette (HC), Oscar Dominguez (F); and supply support Jesus Jimenez (PAH)
10/27/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	<0.0012 (A)	Area sample N of Delmarva excavation located on S side of field site.
10/23/2025	mg/m3	5	<0.00063	<0.0047 (P)	<0.00095 (P)	<0.022 (P)	<0.0042 (P)	<0.0012 (P)	Five personal samples on five Delmarva staff during trenching in the SW corner of the field site during installation of stormwater drain.
10/22/2025	mg/m3	5	<0.00065	<0.0049 (A)	<0.00098 (A)	<0.023 (A)	<0.0043 (A)	<0.0012 (A)	Five area samples co-located, SW corner of field site, adjacent to and within 1 ft S of the Delmarva excavation for installation of stormwater pipe. Co-located
10/21/2025	mg/m3	5	<0.00067	<0.0050 (A)	<0.0010 (A)	<0.023 (A)	<0.0045 (A)	<0.0013 (A)	Five area samples co-located, SW corner of field site, adjacent to and within 1 ft S of the Delmarva excavation for installation of stormwater pipe
10/20/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	<0.0012 (A)	Five area samples co-located, mounted inside Keller excavator operated by Brian Thomas during drilling at Pad A. Keller moved across whole pad, east to west, during monitoring
10/17/2025	mg/m3	5	<0.00068	<0.0051 (A)	<0.0010 (A)	<0.024 (A)	<0.0045 (A)	<0.0013 (A)	Five area samples co-located within 10 ft downwind of Keller drilling operation on pad A. Keller went across whole pad from east to west during monitoring
10/16/2025	mg/m3	4	NA	NA	<0.00095 (A)	<0.022 (A)	<0.0042 (P)	<0.0012 (P)	PAH, and HC area samples co-located and mounted on berm directly north of Delmarva staging area. PCB and F are personal samples mounted during survey work on pad A. Metals sample cassette had missing MCE filter.
10/15/2025	mg/m3	4	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	NA	Four co-located area samples mounted on the pedestrian Walkway near turn onto eastern access road before SMA boundary, just north of Keller trailers.
10/9/2025	mg/m3	4	<0.00063	<0.0047 (P)	<0.00095 (A)	NA	<0.0042 (A)	<0.0012 (P)	Metal and PCB are personal samples mounted on Keller drill operators, PAH and F are area samples mounted on air compressor about 30 ft from drill point. Keller operating on east side of pad C
10/8/2025	mg/m3	5	<0.00063	<0.0047 (x2A)	<0.00095 (x2A)	<0.022 (A)	NA	NA	Two metal area samples, two PAH area samples, and an HC area sample mounted on pressure wash engine about 10ft from SMA pressure wash operation.
10/7/2025	mg/m3	5	<0.00063	<0.0047 (P+A)	<0.00095 (x2A)	<0.022 (A)	NA	NA	Personal metal sample mounted on the SMA Turner wash station operator, four area samples, a metal, two PAHs, and an HC mounted on wash station canopy within 10ft of wash station operation.
10/1/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	NA	<0.0012 (x2A)	Five area samples mounted on outside railing of Pleasants bulldozer operated by Matt during grading of pads
9/30/2025	mg/m3	4	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	NA	<0.0012 (A)	Four area samples mounted on outside railing of Pleasants bulldozer during grading of pads A and C. A duplicate PCB filter was hung on the bulldozer, but this sample train fell during grading.
9/29/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	NA	<0.0012 (x2A)	Five area samples installed on E side of trailer city excavation between admin zone & excavation. Installed on trailer water tanks
9/24/2025	mg/m3	5	<0.00071	<0.0054 (A)	<0.0011 (x2A)	<0.025 (A)	NA	<0.0013 (A)	Five area samples mounted on posts in the center of the field site at height of 4ft during Pleasants excavation and grading of pads A and C.
9/23/2025	mg/m3	5	<0.00083	<0.0063 (P)	<0.0013 (P)	<0.029 (A)	<0.0056 (P)	<0.0016 (P)	Four personal samples (M, PCB, F, PAH) mounted on Hercules staff during fencing installation on the north side of the field site. One HC area sample mounted on the fence within 5ft of work

Agent	Units	Count	Metals		PAH (Benzo(a)pyrene)	Hydrogen Cyanide	Fluorides	PCB (Aroclor 1242)	Sample Description
9/22/2025	mg/m3	5	<0.00079	<0.0059 (P)	NA	NA	NA	<0.0015 (x4P)	Five personal samples mounted on Hercules staff in NW corner of field site during perimeter fence installation. Work performed adjacent to Pleasants leveling W soil piles.
9/18/2025	mg/m3	5	<0.00083	<0.0063 (A)	<0.0013 (A)	<0.029 (A)	<0.0056 (A)	<0.0016 (P)	Four area samples mounted on SMA wash station canopy, one personal PCB sample mounted on Turner wash station operator.
9/16/2025	mg/m3	5	<0.00083	<0.0063 (A)	<0.0013 (A)	<0.029 (A)	<0.0056 (A)	<0.0016 (P)	Four area samples 10 ft downwind of Hawkins installation of snow fence, one personal PCB sample on Hawkins staff. Work takes place E of SMA wash station.
9/15/2025	mg/m3	4	<0.00050	<0.0038 (A)	<0.00076 (A)	NA	<0.0033 (A)	<0.00094 (A)	Five area samples W side of field site by Hercules fence installers, on 4ft stakes, N side of W soil piles. Hydrogen cyanide sample liquid vial broke during shipment
9/11/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	<0.0012 (A)	Five area samples mounted in Keller Excavator Cab driven by Rob during work on pads A and C.
9/10/2025	mg/m3	5	<0.00063	<0.0047 (A)	<0.00095 (A)	<0.022 (A)	<0.0042 (A)	<0.0012 (A)	Five area samples mounted in Keller Excavator Cab driven by David during work on pads A and C
9/9/2025	mg/m3	5	<0.00054	<0.0040 (A)	<0.00081 (A)	<0.019 (A)	<0.0036 (A)	<0.0010 (A)	Five area samples mounted in Keller mini bulldozer driven by David during work on pads A and C
9/5/2025	mg/m3	5	<0.00073	<0.0055 (A)	<0.0011 (A)	<0.025 (A)	<0.0049 (A)	<0.0014 (A)	Five area samples mounted 10 ft downwind of Keller air tracking operation on stake at 4ft. Work took place in the SW corner of the field site.
9/4/2025	mg/m3	5	<0.00071	<0.0054 (A)	<0.0011 (A)	<0.025 (A)	<0.0048 (A)	<0.00054 (A)	Five area samples mounted on the outside railing of dump truck operated by Pleasants representative Keith. Operation included excavator filling, driving, and dumping soil load. Truck driving across field site east to west and west to east.
9/3/2025	mg/m3	5	<0.00083	<0.0063 (A)	<0.0013 (A)	<0.029 (A)	<0.0056 (A)	<0.0016 (A)	Five area samples mounted on 4ft stakes downwind of excavation of traps 3A and 3B in the S side of the field site.
8/25/2002	mg/m3	3	<0.00059	<0.0044 (A)	<0.00089 (A)	NA	NA	<0.0011 (A)	Three area samples in the SW corner of field site, down wind of excavation of traps 1 & 2
8/22/2025	mg/m3	2	<0.00059	<0.0044 (A)	NA	NA	NA	<0.0011 (A)	Two area samples mounted in Pleasants excavator cab during excavation of traps 1 and 2
8/20/2025	mg/m3	4	<0.00075	<0.0056 (A)	<0.0011 (A)	NA	<0.0050 (A)	<0.0014 (A)	Four area samples mounted in the Pleasants excavator cab during excavation of traps 1 and 2
8/13/2025	mg/m3	2	<0.00033	<0.0017 (A)	NA	NA	NA	<0.00083 (A)	Two area samples mounted in the Pleasants excavator cab during excavation of traps 1 and 2
8/12/2025	mg/m3	6	<0.00033	<0.0017 (x4A)	NA	NA	NA	<0.00083 (A), <0.00071 (A)	One PCB area sample and three metals area samples mounted on a stake downwind of excavation of traps 1 and 2, One PCB and one metal samples mounted inside Pleasants excavator cab during traps 1 and 2 excavation.
8/11/2025	mg/m3	6	<0.00027	<0.0013 (x4A)	NA	NA	NA	<0.00083 (x2A)	One PCB area sample and three metals area samples mounted on a stake downwind of excavation of traps 1 and 2, One PCB and one metal samples mounted inside Pleasants excavator cab during traps 1 and 2 excavation.
Sample Count			38		29	22	19	35	
Maximum Measured Value			<0.00083	<0.0063	<0.0013	<0.029	<0.0056	<0.0016	
PEL / Max			12x	79x	154x	379x	446x	313x	

(A) = Area sample, (P) = Personal Sample, (x#) = multiple samples

Below Limit of Detection