

DUPONT BREVARD - HAZARDOUS CONSTITUENTS DETECTED IN SOIL ABOVE STANDARDS

SWMU/AOC Number	Constituents Above Residential	Constituents Above Industrial	Residential Screening Level (ug/kg)	Industrial Screening Level (ug/kg)	Highest Conc Detected (ug/kg)
SWMUs in Former Manufacturing Area					
SWMU 3D	Benzo(a)Pyrene Arsenic	Benzo(a)Pyrene Arsenic	15 610	210 2400	400 3090
SWMU 4 - WWTP	** See Note #2 below				
SWMU 11 -CAMU	** See Note #3 below				
SWMU 15	Arsenic Benzo(a)anthracene Benzo(a)pyrene Benzo(b)flouranthene	Arsenic Benzo(a)anthracene Benzo(a)pyrene Benzo(b)flouranthene	610 150 15 150	240 2100 210 2100	Historical detections above industrial standards
SWMUs 18-20	1,1-Oxybisbenzene Antimony Thallium Zinc Biphenyl	1,1-Oxybisbenzene Antimony Thallium Zinc Biphenyl	Det Limit 6200 160 4600 10000	Det Limit 82000 2000 62,000 42,000	160,000 129,000 16,700 206,000,000 55,000
AOC A	Benzo(a)pyrene Benzo(a)anthracene Benzo(g,h,i)perylene Phenanthrene	Benzo(a)pyrene Benzo(a)anthracene Benzo(g,h,i)perylene Phenanthrene	15 150 Det Limit Det Limit	210 2100 Det Limit Det Limit	4400 2800 1600 7800
AOC H	1,1-Oxybisbenzene	1,1-Oxybisbenzene	Det Limit	Det Limit	23,000
AOC I – Former Powerhouse Area	Benzo(a)anthracene Benzo(b)flouranthene Benzo(k)flouranthene Benzo(a)pyrene Dibenz(a,h)anthracene Ideno-pyrene Arsenic	Benzo(a)anthracene Benzo(b)flouranthene Benzo(a)pyrene Dibenz(a,h)anthracene Ideno-pyrene Arsenic	150 150 1500 15 15 150 610	2100 2100 210 210 2100 2400	5600 6300 2400 5400 920 3400 3470
AOC J – Dowtherm Vaporizer Area	Benzo(a)anthracene Benzo(b)flouranthene Benzo(a)pyrene Dibenz(a,h)anthracene Ideno-pyrene Arsenic 3-Methylchloanthrene 7,12-Dimethylbenz anthracene	Benzo(a)anthracene Benzo(b)flouranthene Benzo(a)pyrene Dibenz(a,h)anthracene Ideno-pyrene Arsenic 3-Methylchloanthrene 7,12-Dimethylbenz anthracene	150 150 15 15 150 610 5.2 1.8	2100 2100 210 210 2100 2400 78 6.2	7300 8000 6400 1100 3600 4010 130 39

Notes:

1. Based on data collected during environmental investigations at the Facility, additional investigation may be needed at SWMUs 2B, 2C, 4, 9, 14, 15, 18, AOC A, AOC E, and AOC H all located within Former Manufacturing Area.
2. SWMU 4 – former WWTP impoundments under a NPDES Permit. Closed under DWQ. Soil/waste samples not collected. GW beneath and downgradient of SWMU 4 contaminated with constituents including Ammonia, Carbon Tetrachloride, 1,4-Dioxane, Lead, Nitrate, 1,1-OxyBisbenzene, Silver, Trichloroethene, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Vanadium, Vinyl Chloride
3. SWMU 11 – no soil or waste samples collected. Former Permitted Solid Waste Landfill now CAMU. Multiple constituents detected in wells immediately downgradient including Benzene, 1,1-Biphenyl, Cobalt, 1,2-Dichloroethane, 1,4-Dioxane, Chloromethane, Dibromomethane, Iron, Manganese, 1,1-Oxybisbenzene, Thallium, Vanadium, Vinyl Chloride.

SWMUs Outside Manufacturing Area

SWMU/AOC Number	Constituents Above Residential	Constituents Above Industrial	Residential Screening Level (ug/kg)	Industrial Screening Level (ug/kg)	Highest Conc Detected (ug/kg)
SWMU 13	1,1-Biphenyl 1,1-Oxybisbenzene 1,2-Diphenylhydrazine 1-Methylnapthalene 2-Methylnapthalene 1,1,2,2-Tetrachloroethane Trichloroethene	1,1-Biphenyl 1,1-Oxybisbenzene 1-Methylnapthalene 2-Methylnapthalene 1,1,2,2-Tetrachloroethane	10,000 Det Limit 610 Det Limit Det Limit 560 880	42,000 Det Limit Det Limit Det Limit 2800	2,000,000 5,700,000 1200 1600 2200 120,000 2000
SWMU 16	Antimony Arsenic Benzene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)flouranthene Biphenyl Dibenz(a,h)anthracene 1,1-Oxybisbenzene Idenopyrene 1-Methylnapthalene 2-Methylnapthalene Naphthalene 1,1,2,2-Tetra chloroethane 1,1,2-Trichloroethane Trichloroethene Vanadium	Antimony Arsenic Benzo(a)anthracene Benzo(a)Pyrene Benzo(b)flouranthene Biphenyl Dibenz(a,h)anthracene 1,1-Oxybisbenzene Idenopyrene 1-Methylnapthalene 2-Methylnapthalene Naphthalene 1,1,2,2-Tetra Chloroethane 1,1,2-Trichloroethane Trichloroethene Vanadium	6200 610 1100 150 15 150 10,000 15 Det Limit 150 Det Limit Det Limit 3600 560 320 880 78,000	82000 2400 2100 210 2100 42,000 210 Det Limit 2100 Det Limit Det Limit 18,000 2800 1400 4000 1,000,000	295,000 10,300 2100 48,000 41,000 51,000 5,100,000 4200 13,000,000 15,000 39,000 55,000 160,000 220,000 3600 20,000 3,290,000
SWMU 17	1,1-Oxybisbenzene 1-Methylnapthalene 2-Methylnapthalene 1,1,2,2-Tetra chloroethane Trichloroethene	1,1-Oxybisbenzene 1-Methylnapthalene 2-Methylnapthalene 1,1,2,2-Tetra Chloroethane Trichloroethene	Det Limit Det Limit Det Limit 560 880	Det Limit Det Limit Det Limit 2800 4000	2,900,000 2100 3400 4600 24,000
SWMU 9 – Silver Recovery Bed	Silver		7800		530,000
SWMU 14	SWMU 14 – Former Landfill. Partially excavated and moved to CAMU. Waste materials extend under highway and remain in place				

SWMUs Recommended Do Not Disturb

SWMU 12A-C – North Landfill -

SWMU 12 A – Borings installed into landfill. Confirmed asbestos as shallow as 2 feet BLS and as deep as 10 feet BLS

SWMUs 12 B & C – Borings indicate waste as shallow as 1 foot BLS and as deep as 20 feet BLS

SWMUs 12 A – C: groundwater monitoring immediately downgradient of units detected hazardous constituents including Antimony, Benzo(a)Pyrene, Cadmium, Iron, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Trichloroethene, Vanadium, Vinyl Chloride