

DOE Air Monitoring Plan

Program Administrator	Type	Location	Filter Inlet Height	Filter Retrieval Frequency	Action Level	Analysis Type	Filter Count Time (min)	Currently Operational Yes / No	Comments
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	WIPP Far Field (WFF)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	WIPP East (WEE)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	WIPP South (WSS)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Mills Ranch (MLR)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Smith Ranch (SMR)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Carlsbad (CBD)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Southeast Control (SEC)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Southeast Control co-located (SEC)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	Sampler is a duplicate sample and will be relocated on April 1. Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Met Tower (MET)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	This sampling location was initiated on March 4, 2014. Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Salt Hoist (SLT)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	This sampling location was initiated on March 4, 2014. Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Training Building (STB)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	This sampling location was initiated on March 4, 2014. Results reported weekly on DOE Public Website.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Artesia (ART)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Loving (LVG)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Hobbs (HBS)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Eunice (EUN)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Angel Ranch (AGR)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Intrepid North (ITN)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	Mosaic - Shaft 5 (MS5)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	WIPP North (WNN)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	LWA East (LWE)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	No	Expected start up of this station is April XX, 2014.
Environmental Monitoring and Hydrology	Low-Volume Air Sampler (Lo-Vol)	WIPP Guard & Security Building (GSB)	1.5 to 3 m	Weekly	N/A	Gross Alpha, Radiochemistry	Gross Alpha - 1000	Yes	This sampling location was initiated on March 25, 2014. Results reported weekly on DOE Public Website.
Radiological Control	Fixed Air Sampler (FAS)	Station A, top of Exhaust Shaft, before HEPA filtration	N/A	8 hours	Greater than 2000 dpm alpha	Direct frisk, hourly GAB - Tennelec	10 minutes - 8, 24 and 72 hours	Yes	In addition, this location is monitored every two hours via probe. Results reported weekly on DOE Public Website.
Radiological Control	Fixed Air Sampler (FAS)	Station B, Exhaust Shaft, after HEPA filtration	N/A	8 hours	8 DAC hours	Direct frisk, every two hours GAB - Tennelec	10 minutes - 8, 24 and 72 hours	Yes	In addition, this location is monitored every two hours via probe. Results reported weekly on DOE Public Website.
Radiological Control	Continuous Air Monitor (CAM)	Station B, Exhaust Shaft, after HEPA filtration	N/A	8 hours	Greater than 2000 dpm alpha	GAB - Tennelec	N/A	Yes	

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Radiological Control	Fixed Air Sampler (FAS)	Station C, Waste Handling Building, after HEPA filtration	N/A	24 hours	8 DAC hours	GAB - Tennelec, direct frisk, every two hours	10 minutes - 8, 24 and 72 hours	Yes	
Radiological Control	Fixed Air Sampler (FAS)	Station D, Underground, E-280, S-400	N/A	N/A	N/A	N/A	N/A - at this time	N/A	This location is underground and access is unavailable.
Radiological Control	Portable Air Sampler (PAS)	Air Intake Shaft (1612)	4 feet	24 hours	0.3 DAC	GAB - Tennelec	10 minutes - 8 and 24 hours	Yes	
Radiological Control	Portable Air Sampler (PAS)	East side of Salt Shaft (1610)	4 feet	24 hours	0.3 DAC	GAB - Tennelec	10 minutes - 8 and 24 hours	Yes	
Radiological Control	Portable Air Sampler (PAS)	East side of Support Building (1614)	4 feet	24 hours	0.3 DAC	GAB - Tennelec	10 minutes - 8 and 24 hours	Yes	
Radiological Control	Portable Air Sampler (PAS)	Southwest corner of Auxiliary Warehouse (1618)	4 feet	24 hours	0.3 DAC	GAB - Tennelec	10 minutes - 8 and 24 hours	Yes	
Radiological Control	Portable Continuous Air Monitor (CAM)	Salt Shaft	N/A	8 hours	Greater than 2000 dpm alpha	GAB - Tennelec	N/A	Yes	
Radiological Control	Continuous Air Monitor (CAM)	Exhaust side of Panel 7 (151)	N/A				N/A	No	This location is underground and access is unavailable.
Underground Manned Recovery Team	Lower Explosive Limit (LEL)	Underground	N/A	Real-time monitoring	10% of the LEL	Various	N/A	Yes	
Underground Manned Recovery Team	Hand held meter	Underground	N/A	Real-time monitoring	19.5%	Oxygen	N/A	Yes	
Underground Manned Recovery Team	Photo Ionization Detector (PID)	Underground	N/A	Real-time monitoring	5 ppm	VOCs	N/A	Yes	
Underground Manned Recovery Team	Portable Constant Air Monitor (Alarming)	Underground	Handheld	Event duration	TBD	Real-time frisking, count	10 minutes	Yes	
Underground Manned Recovery Team	Portable Constant Air Monitor (Non-Alarming)	Underground	Handheld	Event duration	TBD	Real-time frisking, count	10 minutes	Yes	
Underground Manned Recovery Team	Count Rate Meter (Frisker)	Underground	Handheld	Event duration	TBD	Real-time	N/A	Yes	
Underground Manned Recovery Team	Ion Chamber	Underground	Handheld	Event duration	TBD	Dose rate	N/A	Yes	