

Air Monitoring Summary Update Form  
 Week of 5/17/24 to 5/23/24  
 Rodney Reservoir Site (DE-1851)  
 1500 W Ninth Street  
 Wilmington, Delaware

**Perimeter Air Monitoring Results (Action Level = 1.0 mg/m<sup>3</sup>)**

Date	Monitoring Duration	Air Station 1		Air Station 2		Air Station 3		Air Station 4	
		SW Corner of Reservoir		SE Corner of Reservoir		NE Corner of Reservoir		NW Corner of Reservoir	
		Concentration (mg/m <sup>3</sup> )		Concentration (mg/m <sup>3</sup> )		Concentration (mg/m <sup>3</sup> )		Concentration (mg/m <sup>3</sup> )	
		Average	Maximum	Average	Maximum	Average	Maximum	Average	Maximum
Friday - 5/17/2024	7:15AM - 4:00PM	0.013	0.137	0.009	0.347	0.010	0.034	0.009	0.084
Saturday - 5/18/2024		NA	NA	NA	NA	NA	NA	NA	NA
Sunday - 5/19/2024		NA	NA	NA	NA	NA	NA	NA	NA
Monday - 5/20/2024	7:15AM - 4:00PM	0.025	0.193	0.021	1.070	0.023	0.103	0.027	1.000
Tuesday - 5/21/2024	7:15AM - 4:00PM	0.023	0.479	0.029	0.283	0.029	0.536	0.036	0.650
Wednesday - 5/22/2024	7:15AM - 4:00PM	0.017	0.779	0.012	0.066	0.012	0.123	0.017	0.329
Thursday - 5/23/2024	7:15AM - 4:00PM	0.014	0.070	0.017	0.169	0.019	0.109	0.017	0.254

**Summary of weekly exceedances (if any) and response actions:**  
 1) A reading of 1.07 mg/m<sup>3</sup> was reported at Air Station 2 at 12:09PM on 5/20/24 for 1 second in duration, which is less than the Action Level of 1.0 mg/m<sup>3</sup> sustained for over 30 seconds. The reading was determined to be caused by grass mowing in the vicinity of the air station. Therefore, no response action was required.

**Summary of photo-ionization detector (PID) readings for volatile organic compounds (VOCs):**  
 1) A handheld PID was utilized by Verdantas and D'Huy Engineering personnel while onsite to monitor for VOCs during active soil disturbing activities. No sustained readings above 0 parts per million (ppm) were recorded, which is below the Action Level of 5ppm above ambient conditions, sustained for over 30 seconds. Therefore, no response actions were required.

**General Comments and Observations:**  
 1) Daily end times for monitoring correspond with the end time of daily onsite work by the site contractor.

**Table Legend (only used when applicable):**  
 1) Readings highlighted grey exceeded 1.0 mg/m<sup>3</sup>, however, the duration of the exceedance was less than the Action Level of 1.0 mg/m<sup>3</sup> sustained for over 30 seconds.  
 2) Readings highlighted yellow exceeded the Action Level of 1.0 mg/m<sup>3</sup> sustained for over 30 seconds.  
 3) "NA" No intrusive work was conducted on this date.  
 4) "--" Perimeter air monitoring station was down for maintenance and/or not reporting data.