

Taylorville MGP Site - Draft Air Lab Results

CONSTITUENTS OF CONCERN, METHOD	Draft AEL - Being Revised	MAXIMUM MEASURED CONCENTRATION								
		MONITORING PERIOD								
		7/12- 7/26/2023	7/27- 8/3/2023	8/3- 8/12/2023	8/14- 8/19/2023	8/21- 8/24/2023	8/24- 8/31/23	8/31- 9/9/2023		
2-Methylnaphthalene Method TO-13A (3-day sample period, µg/m ³)	820	ND	ND	ND	0.6	1	0.8	ND		
Acenaphthene Method TO-13A (3-day sample period, µg/m ³)	12,300	ND	ND	ND	ND	0.2	ND	ND		
Acenaphthylene Method TO-13A (3-day sample period, µg/m ³)	615	ND	ND	ND	ND	ND	ND	ND		
Anthracene Method TO-13A (3-day sample period, µg/m ³)	615	ND	ND	ND	ND	ND	ND	ND		
Benz(a)anthracene Method TO-13A (3-day sample period, µg/m ³)	1.54	ND	ND	ND	ND	ND	ND	ND		
Benzo(a)pyrene Method TO-13A (3-day sample period, µg/m ³)	0.15	ND	ND	ND	ND	ND	ND	ND		
Benzo(k)fluoranthene Method TO-13A (3-day sample period, µg/m ³)	15.4	ND	ND	ND	ND	ND	ND	ND		
Benzo(b)fluoranthene Method TO-13A (3-day sample period, µg/m ³)	15.4	ND	ND	ND	ND	ND	ND	ND		
Chrysene Method TO-13A (3-day sample period, µg/m ³)	154	ND	ND	ND	ND	ND	ND	ND		
Dibenzo(a,h)anthracene Method TO-13A (3-day sample period, µg/m ³)	0.15	ND	ND	ND	ND	ND	ND	ND		
Fluoranthene Method TO-13A (3-day sample period, µg/m ³)	8,200	ND	ND	ND	ND	ND	ND	ND		
Fluorene Method TO-13A (3-day sample period, µg/m ³)	8,200	ND	ND	ND	ND	0.1	ND	ND		
Indeno(1,2,3-cd)pyrene Method TO-13A (3-day sample period, µg/m ³)	1.54	ND	ND	ND	ND	ND	ND	ND		
Napthalene Method TO-13A (3-day sample period, µg/m ³)	176	ND	ND	ND	2.4	3	2.2	0.4		
Phenanthrene Method TO-13A (3-day sample period, µg/m ³)	6,150	ND	ND	ND	ND	0.1	ND	ND		
Pyrene Method TO-13A (3-day sample period, µg/m ³)	6,150	ND	ND	ND	ND	ND	ND	ND		
Styrene Method 325B (14-day sample period, µg/m ³)	205,000	0.2	NS	NS	0.2	NS	0.2	NS		
Benzene Method 325B (14-day sample period, µg/m ³)	16.5	0.61	NS	NS	0.37	NS	0.92	NS		
Toluene Method 325B (14-day sample period, µg/m ³)	23,400	0.83	NS	NS	ND	NS	0.91	NS		
Xylenes (total) Method 325B (14-day sample period, µg/m ³)	41,000	0.34	NS	NS	ND	NS	0.8	NS		
Ethylbenzene Method 325B (14-day sample period, µg/m ³)	59,400	0.27	NS	NS	ND	NS	0.38	NS		

ND - Not Detected

NS - Not sampled

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PRE-ISS				
COCs	Exceedances	Max Conc.	Action Level	PM Concentrations
<i>Monitoring Period</i> VOCs 7/17-8/8/2023; PM 7/13-8/8/2023				
PM	0	63	360	
VOCs	0	0	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
ISS Start (8/11/2023)				
<i>Monitoring Period</i> VOCs and PM 7/27-8/15/2023				
PM	0	108	360	
VOCs	0	0.1	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i> VOCs 8/16-8/22/2023; PM 8/16-8/22/2023				
PM	0	60	360	
VOCs	1 - subsequent GC clear	0.6	0.5	
Confirmatory Benzene (GC)	0	0	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i> VOCs and PM - 8/23-8/29/2023				
PM	0	28	360	
VOCs	0	0	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i> VOCs and PM - 8/30-9/5/2023				
PM	0	36	360	
VOCs	0	0	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i> VOCs and PM - 9/6-9/12/2023				
PM	0	53	360	
VOCs	0	0	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i> VOCs and PM - 9/13-9/19/2023				
PM	0	150	360	
VOCs	0	0.4	0.5	
Confirmatory Benzene (GC)	-	Not measured	0.5	
Others	0	Varies	Varies	
<i>Monitoring Period</i>				
PM				
VOCs				
Confirmatory Benzene (GC)				
Others		Varies	Varies	
<i>Monitoring Period</i>				
PM				
VOCs				
Confirmatory Benzene (GC)				
Others		Varies	Varies	
<i>Monitoring Period</i>				
PM				
VOCs				
Confirmatory Benzene (GC)				
Others		Varies	Varies	