

Memorandum

TO: Gardner Tabon, Chief of System Safety

COPIES TO: Robert Lavell, Vice President/ General Manager, Rail Operations
James Sincaglia, Deputy General Manager, Transportation
James Merritts, Deputy Chief of System Safety
Alan Antell, General Superintendent, Transportation (NYP)

FROM: Fred Frank, Manager, Environmental Safety & Industrial Hygiene

DATE: July 28, 2017

SUBJECT: Air Quality Testing at New York Penn Station

Gardner, per your request I reached out to Amtrak for information about the air sampling that they are doing on the tracks at New York Penn Station. They have been doing air monitoring in connection with the track work that they are doing this summer. Initially they sent me their Daily Logs for over four workdays in July. They are only measuring for dust particulate since the track work is raising clouds of dust. The details of the results of the air monitoring for the four days are provided in Attachment 1. The OSHA limit for Particulates Not Otherwise Regulated (Total Dust) is 15 mg/m³ and 5 mg/m³ for the Respirable Fraction of Dust. The New York State limits are the same. Please note that the highest level measured for these four days is 0.450 mg/m³, well below any of the limits. Respiratory protection is not required for these levels of dust but is a precautionary measure.

I am requesting additional logs for July and on an on-going basis. I will periodically advise you of the results.

Attachment 1

Total Particulate Levels at New York Penn Station (Track 10)

DATE	TIME	Meter 1 TOTAL PARTICULATE (mg/m ³)	Meter 2 TOTAL PARTICULATE (mg/m ³)
7/22/17	18:42	0.000	0.010
7/22/17	19:00	0.000	0.012
7/22/17	19:30	0.052	0.000
7/22/17	20:00	0.032	0.009
7/22/17	20:30	0.050	0.048
7/22/17	21:00	0.052	0.003
7/22/17	21:30	0.059	0.004
7/22/17	22:00	0.049	0.006
7/22/17	22:30	0.025	0.000
7/22/17	23:00	0.000	0.004
7/22/17	23:30	0.000	0.000
7/23/17	24:00	0.049	0.006
7/23/17	00:31	0.024	0.000
7/23/17	01:02	0.065	0.049
7/23/17	01:30	0.000	0.009
7/23/17	02:03	0.000	0.005
7/23/17	02:30	0.000	0.000
7/23/17	03:00	0.012	0.000
7/23/17	03:30	0.036	0.000
7/23/17	04:00	0.086	0.010
7/23/17	04:30	0.016	0.017
7/23/17	05:00	0.000	0.022
7/23/17	05:30	0.000	0.020
7/26/17	19:30	0.000	0.000
7/26/17	20:00	0.043	0.000
7/26/17	20:30	0.450	0.000
7/26/17	21:00	0.095	0.000
7/26/17	21:30	0.000	0.000
7/26/17	22:00	0.000	0.000
7/26/17	22:30	0.000	0.000
7/26/17	23:00	0.000	0.000
7/26/17	23:30	0.000	0.000

DATE	TIME	Meter 1 TOTAL PARTICULATE (mg/m ³)	Meter 2 TOTAL PARTICULATE (mg/m ³)
7/26/17	24:00	0.000	0.000
7/27/17	00:30	(lunch break)	(lunch break)
7/27/17	01:00	0.000	0.000
7/27/17	01:30	0.000	0.000
7/27/17	02:00	0.000	0.000
7/27/17	02:30	0.000	0.000
7/27/17	03:00	0.000	0.000
7/27/17	03:30	0.000	0.000
7/27/17	04:00	0.000	0.000
7/27/17	04:30	0.000	0.000
7/27/17	05:00	0.000	0.000
7/27/17	05:30	0.000	0.000
7/27/17	06:00	0.000	0.018

Source: Amtrak Environmental Department