

**APPENDIX K:
Air Quality
(E) Designations**

An HVAC analysis was performed to determine whether the proposed action would result in any potential significant adverse air quality impacts (see Chapter 17, “Air Quality”). The analysis determined that certain sites would require (E) designations that would specify the type of fuel to be used or the distance that the vent stack on the building roof must be from the edge of a lot line. The proposed (E) designations for the applicable projected and potential development sites with respect to HVAC systems are presented below in Table K.

Table K: Air Quality E-Designations for Development Sites - HVAC Restrictions

Site #	Block	Lot(s)	Restrictions*
2	2349	100	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 45 feet from the lot line facing E 149 Street, and at least 37 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
4	2349	15	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 35 feet from the lot line facing E 149 Street and at least 30 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
5	2351	22	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 27 feet from the lot line facing E 149 Street, to avoid any potential significant air quality impacts.
6	2351	1, 12, 20	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 35 feet from the lot line facing E 146 Street and Major Deegan Expressway to avoid any potential significant air quality impacts.
7	2350	11, 16	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing Gerard Avenue, to avoid any potential significant air quality impacts.
11	2344	75	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 18 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
12	2344	60	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
13	2345	5	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing E 144 Street, and at least 20 feet from the lot line facing Grand Concourse to avoid any potential significant air quality impacts.
14	2341	37, 40	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing E 144 Street, and at least 15 feet from the lot line facing E 138th Street to avoid any potential significant air quality impacts.
15	2341	28	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 28 feet from the lot line facing E 144 Street, and at least 25 feet from the lot line facing E 138 Street to avoid any potential significant air quality impacts.
16	2341	10	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 30 feet from the lot line facing E 144 Street, and at least 35 feet from the lot line facing 138 Street to avoid any potential significant air quality impacts.

19	2333	6, 10	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing Third Avenue, to avoid any potential significant air quality impacts.
20	2333	1	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing Rider Avenue, to avoid any potential significant air quality impacts.
26	2335	58	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing Park Avenue and E 146th Street, to avoid any potential significant air quality impacts.
28	2340	204	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing E 144 Street, to avoid any potential significant air quality impacts.
29	2340	186	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing E 141 Street, to avoid any potential significant air quality impacts.
31	2333	31	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing Rider Avenue, to avoid any potential significant air quality impacts.
34	2323	43	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 28 feet from the lot line facing Park Avenue (facing Metro North Rail Road), to avoid any potential significant air quality impacts.
35	2349	46, 47	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 34 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
37	2351	25, 35	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 40 feet from the lot line facing E 146 Street, to avoid any potential significant air quality impacts.
38	2350	34	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 35 feet from the lot line facing E 146 Street, to avoid any potential significant air quality impacts.
39	2350	63	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 20 feet from the lot line facing E 149 Street, to avoid any potential significant air quality impacts.
40	2351	3	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing E 144 Street and Gerard Avenue, to avoid any potential significant air quality impacts.
41	2350	5	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing E 144 Street and Walton Avenue, to avoid any potential significant air quality impacts.
42	2345	10, 12, 14, 18, 22, 26	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 50 feet from the lot line facing E 140 Street, to avoid any potential significant air quality impacts.

43	2345	1, 49	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing Walton Avenue, to avoid any potential significant air quality impacts.
44	2344	83	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 18 feet from the lot line facing E 140 Street, and at least 15 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
46	2344	11, 17, 27	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 45 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
47	2344	1	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 22 feet from the lot line facing E 140 Street, to avoid any potential significant air quality impacts.
48	2341	42	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 30 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
49	2341	34	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing E 144 Street, to avoid any potential significant air quality impacts.
50	2341	31	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing E 138 Street, and at least 50 feet from the lot line facing E 144 Street to avoid any potential significant air quality impacts.
52	2341	6	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 25 feet from the lot line facing E 144 Street, to avoid any potential significant air quality impacts.
66	2335	6	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing E 144 Street and Canal Place, to avoid any potential significant air quality impacts.
71	2334	43, 45, 59	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 32 feet from the lot line facing Rider Avenue, to avoid any potential significant air quality impacts.
72	2334	38, 39, 40, 41, 66	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing E 143 Street, and at least 15 feet from the lot line facing Rider Avenue, to avoid any potential significant air quality impacts.
73	2340	195	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 13 feet from the lot line facing E 140 Street, to avoid any potential significant air quality impacts.
75	2333	50, 54	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 30 feet from the lot line facing E 139 Street, to avoid any potential significant air quality impacts.

76	2333	33	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 28 feet from the lot line facing Morris Avenue, and at least 28 feet from the lot line facing E 140 Street, to avoid any potential significant air quality impacts.
78	2333	17	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 15 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.
79	2340	11	Any new residential and/or commercial development on the above-referenced properties must use natural gas for HVAC systems or, if fuel oil is used, ensure that the boiler stack(s) is located at least 14 feet from the lot line facing E 138 Street, to avoid any potential significant air quality impacts.

*Note: Parameters for stack location restrictions have been re-structured for the FEIS to reflect set-back distances from lot lines.