

Appendix C

Air Quality Analysis

DRAFT GENERAL CONFORMITY - RECORD OF NON-APPLICABILITY

Project/Action Name: Passaic Floodway Buy-Out

Project/Action Identification Number: N/A

Project/Action Point of Contact: Kimberly Rightler, Project Biologist, (212) 264-9846

Estimated Begin Date: TBD

Estimated End Date: TBD

General Conformity under the Clean Air Act, Section 176 has been evaluated for the project described above according to the requirements of 40 CFR 93, Subpart B. The requirements of this rule are not applicable to this project/action because:

X Total direct and indirect emission of from this project/action have been estimated that Ozone (NOx & VOC's) 1.07 tons, and Carbon monoxide (CO) .54 tons, are below the conformity threshold value established at 40 CFR 93.153(b) of 25 tons per year and 100 tons respectively.

AND

The project/action is not considered regionally significant under 40 CFR 93.153(i).

Supporting documentation and emissions estimates are

(X) ATTACHED

() APPEAR IN THE NEPA DOCUMENTATION (*PROVIDE REFERENCE*)

() OTHER _____.

SIGNED

(*Frank Santomauro, Chief, Planning Division*)

Equipment ID	Category	Emissions (tons)		
		VOC	CO	NOx
A15Z0150	Air Compressor	.01	.03	.16
G15Z3080	Grader, Motor 135 HP (101KW) 12'(3.6M) Blade width, SP, A	.01	.03	.08
L35Z4270	Loader, F/E, CRWLR, 3.75 CY	.02	.09	.13
L40ME019	LDR, FE,WH, 66"BKT, Skid-Steer	.03	.12	.18
L40Z4410	Loader, F/E, Wheel, 4.00CY	.04	.18	.27
L50Z4640	Loader/Bck-Hoe, WH, 0.80CY (0.6 F/E Bkt, 9.8;(3.0) Depth	.01	.07	.10
R50Z5760	Roller, Vib, SD, SP 3.0T (2.7 MT), 47" (1.2M) W	0	.00	.00
T15Z6520	Dozer, Crawler, 181-250HP	0	.01	.02
Total		.12	.54	.95

Equipment ID	Description	Avg. Engine Horsepower	Usage Hours	# of Pieces	Total Hrs
A15Z0150	Air Compressor	115	120	1	120
G15Z3080	Grader, Motor 135 HP (101KW) 12'(3.6M) Blade width, SP, A	135	100	1	100
L35Z4270	Loader, F/E, CRWLR, 3.75 CY	210	120	1	120
L40ME019	LDR, FE,WH, 66"BKT, Skid-Steer	74	480	1	480
L40Z4410	Loader, F/E, Wheel, 4.00CY	220	240	1	240
L50Z4640	Loader/Bck-Hoe, WH, 0.80CY (0.6 F/E Bkt, 9.8;(3.0) Depth	60	318	1	318
R50Z5760	Roller, Vib, SD, SP 3.0T (2.7 MT), 47" (1.2M)W	24	13	1	13
T15Z6520	Dozer, Crawler, 181-250HP	240	13	1	13

Equipment ID	Description	Load Factor	Exhaust Emission Factor (G/HP-HR)			Reference
			VOC	CO	NOx	
A15Z0150	Air Compressor	75.0%	1.13	3.03	14.06	NEVES, November 1991
G15Z3080	Grader, Motor 135 HP (101KW) 12'(3.6M) Blade width, SP, A	57.5%	1.54	3.80	9.60	NEVES, November 1991
L35Z4270	Loader, F/E, CRWLR, 3.75 CY	46.5%	1.40	6.80	10.10	NEVES, November 1991
L40ME019	LDR, FE,WH, 66"BKT, Skid-Steer	46.5%	1.40	6.80	10.10	NEVES, November 1991
L40Z4410	Loader, F/E, Wheel, 4.00CY	46.5%	1.40	6.80	10.10	NEVES, November 1991
L50Z4640	Loader/Bck-Hoe, WH, 0.80CY (0.6 F/E Bkt, 9.8;(3.0) Depth	46.5%	1.40	6.80	10.10	NEVES, November 1991
R50Z5760	Roller, Vib, SD, SP 3.0T (2.7 MT), 47" (1.2M)W	57.5%	.80	3.10	9.30	NEVES, November 1991
T15Z6520	Dozer, Crawler, 181-250HP	57.5%	1.26	4.20	10.30	NEVES, November 1991