

Table 5.III-2. Estimated Construction Emissions Associated with Typical Fiber Optic Cable Installation Projects

Emissions	ROG	NO _x	PM10
Pounds per day	3.4	29.2	53.0
Tons per quarter	0.1	1.0	1.7
Tons per year	0.4	3.7	6.6

Notes: Quarterly emissions assume pounds per day at 66 days per quarter. Tons per year assumes pounds per day at 250 days per year. Emission estimates assume disturbance of 5 acres per day, estimated by multiplying an installation rate of 1 mile per day by a construction corridor of 40 feet. Construction emissions assume equipment typically used for construction. The URBEMIS7G model was used to estimate construction-related emissions. Typical construction-related mitigation measures can be used to reduce PM10 emissions shown above by 50 percent and ROG and NO_x emissions by 5 percent.