

PSEG LONG ISLAND LLC
On Behalf of and as Agent for
the LONG ISLAND POWER AUTHORITY f/k/a LONG ISLAND
LIGHTING COMPANY d/b/a LONG ISLAND POWER AUTHORITY

Commercial Avenue Equipment Project
Case 25-T-0243

Terminal
Environmental Management and Construction Plan

APPENDIX F
Construction Noise Control Plan

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1 INTRODUCTION

This Construction Noise Control Plan was developed to support activities associated with the construction of the Commercial Avenue Terminal (Terminal), for the Commercial Avenue Equipment Project (Project). The Construction Noise Control Plan considers typical and expected construction activity noise levels and describes the practices and procedures implemented during construction to mitigate potential sound disturbance.

1.1 Noise Sensitive Receptors

Religious institutions, public buildings and recreational areas, emergency services, and schools are considered to be noise-sensitive receptors. The Limit of Disturbance (LOD) for the Project is not adjacent to any sensitive receptors and is adjacent to only commercial and industrial properties.

2 NOISE SOURCES AND ASSESSMENT

Due to the stationary nature of the reactor installation component of the Project, sound receptors will be constant throughout construction. Any changes in noise levels will be temporary and typical of roadway construction.

The noise associated with the Project will be limited to the construction phase of the Project, which is temporary and will take place primarily, but not exclusively, during daytime hours. The activities anticipated to cause temporary noise impacts include vegetation clearing, excavation, foundation installation, backfilling, equipment placement, and restoration.

Noise associated with the construction phase is estimated to range from 65 dBA to 83 dBA at a distance of 50 feet from the construction activity. Table 1 provides estimates for noise emission levels at 50 feet for the construction equipment anticipated to be used during construction. Estimated construction noise levels at distances of 100 feet or more do not exceed the Federal Transit Administration daytime residential noise level guideline of 90 dBA.

Table 1. Typical Noise Emission Levels for Construction Equipment

Equipment Item	Noise Level at 50 Feet (dBA)
Backhoe	83-86
Cement Mixer	63-71
Compressor	67
Jack Hammer	82
Bulldozer	50
Grader	85
Truck	91
Generator	78
Rock Drill	98

3 NOISE MITIGATION MEASURES

3.1 Engineering Controls

Construction equipment will be equipped with engine noise control devices, such as exhaust mufflers and acoustic casing enclosures, in accordance with federal, state, and local regulations. Construction equipment and vehicles will be regularly maintained, and where feasible, the quietest equipment available will be used.

3.2 Administrative Controls

3.2.1 Work Hours

Standard hours of Project construction operations will be 7 a.m. to 7 p.m. Monday through Saturday. Work typically does not occur on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, or Christmas Day.

Project construction activities are likely to increase ambient noise levels for residences and other sensitive receptors closest to the construction activity, but such impacts will be localized, temporary and mitigated to the extent practicable.

3.2.1.2 Extended Work

If activities must occur beyond allowable work hours (“Extended Work”), the Certificate Holder will coordinate with the Town of Hempstead and residents of all affected neighborhoods prior to evening/nighttime construction or construction outside normal daytime hours, and will designate a contact person and 24-hour telephone number for handling complaints related to construction noise, if any. Such notice shall be given at least 24 hours prior to such activities, unless in an emergency. Unless otherwise directed by NYSDPS, the Certificate Holder may proceed with the Extended Work activities following the required notice period described above.

All communications are described in Appendix O – Public Involvement Plan.

3.2.2 Traffic Management

During construction, heavily loaded truck traffic and heavy equipment will be directed or routed to minimize impacts on sensitive receptors. Trucks will refrain from unnecessary idling during and outside of normal work hours.

3.2.3 Communication

Information regarding communications with impacted properties and other sensitive receptors is included in Appendix O.