



STANDARD CONSTRUCTION OPERATING PROCEDURE

City of New York Department of Design and Construction
Division of Infrastructure Bureau of Construction

SUBJECT: SUMMER HEAT ALERT PROCEDURES - LIPA

APPROVED:

[Handwritten Signature]
Assistant Commissioner - Richard Zetterlund, P.E.

SCOP..... : 04 -011G

CATEGORY.... : CONSTRUCTION
Subcategory : LIPA UTILITIES

Keywords HEAT ALERT, UTILITIES,
EXCAVATION

Supersedes... : N/A

Supplements.... : N/A

Sheet..... : 1 of 1

Issue Date..... : June 1, 2004

DDC's Summer Heat Alert Procedures For LIPA (Long Island Power Authority) Facilities (attached) is to be followed by all jobsite personnel (Contractors, Consultants, and DDC staff) while working around LIPA's underground utilities, when the New York City Office of Emergency Management-(NYCOEM) declares a heat emergency. LIPA services an area called the Rockaway Peninsula in Queens. This is LIPA's only service area in New York City. Please ensure that all DDC field staff, Consultants and Contractors are provided with the attached procedure and that it is reviewed at all preconstruction meetings.

Attachment: Summer Heat Alert Procedures for LIPA; LIPA Service Territories Map

Summer Heat Alert Procedures For LIPA Facilities

May 15, 2004

Purpose

The New York City Office of Emergency Management (OEM), The Long Island Power Authority (LIPA) and the Department of Design and Construction (DDC) are working together to better inform the contractors (working on DDC projects) of a Summer Heat Alert. The OEM Heat Alert Steering Committee will give notification to LIPA and DDC of a Summer Heat Alert. This notification is given so that all contractors engaged in excavation activity in the City of New York (from May 15 through September 15) protect underground electric facilities to assure public safety and prevent damage to public and private property during a Summer Heat Alert.

A City of New York Heat Alert condition will be issued as determined by OEM and for a duration so deemed necessary when meteorological forecasts predict heat indices of 100 degrees Fahrenheit or higher for more than two (2) consecutive days, and /or a heat advisory or heat warning is issued by the National Weather Services. The OEM will convene and chair the Heat Emergency Steering Committee.

Contractor Excavation Practices

When a Summer Heat Emergency Alert is declared, all contractors are advised to contact the LIPA representative of the contract to ascertain the method of construction for the day's activities. In general the contractors engaged in excavation activity will be informed by LIPA to adhere to one or more of the following:

- Modify their projected schedule to limit excavation activities when/where possible.
- Follow normal excavation procedures in accordance with Industrial Code 53/ Part 753 requirements for non-critical marked electric facilities.

- Cease all construction activity involving excavation within eight (8) feet from the outside edge of the City facility trench to the critical marked electric facilities. Critical facilities shall include but are not limited to:
 - Oil filled facilities including oil return lines
 - Primary feeders
 - Electrical services to critical buildings as determined by OEM

Excavation activity may resume around critical facilities only if the contractor digs by hand and uncovers the critical facilities. Once the location and extent of the facilities is visually confirmed, excavation may resume utilizing powered equipment to within four (4) feet of the edge of the critical facilities.

Other restricted activities in the presence of critical facilities shall include, but are not limited to, backfilling and tamping, installing piping under critical facilities crossings, etc. When these activities are necessitated by schedule or work area restrictions/stipulations, the contractor may proceed with extreme caution.

The LIPA facility operator identifies critical facilities in the DDC contract. If the critical facilities are not identified, the contractor is to contact the LIPA representative of the DDC contract to ascertain the critical facilities within the DDC contract limits. Any costs associated with said work may be considered as extra work.

CAUTION: At times, non-critical facilities can become critical facilities due to system demands and failures of back-up systems. LIPA will be obligated to advise the City of New York and the contractors if this situation occurs and when relief may be granted. Upon notification, the contractor will adhere to the guidance provided in section.

In response to a justified "Emergency Excavation" (any abnormal condition which presents an immediate danger to life or property including the discontinuance of a vital utility service necessary for the maintenance of public health, safety and welfare, the contractor shall respond to the emergency exercising extreme caution to prevent damage to existing underground facilities. The contractor shall also notify the New

Page 4

Summer Heat Alert Procedures LIPA

May 15, 2004

- All Engineers-In-Charge and Resident Engineers are to call the DDC Summer Heat Alert Hot Line on days during the summer where based on weather it appears that a Summer Heat Alert may be declared.

LIPA SERVICE TERRITORIES

