



STANDARD CONSTRUCTION OPERATING PROCEDURE

NEW YORK CITY DEPARTMENT OF
DESIGN + CONSTRUCTION
Division of Infrastructure
Bureau of Construction

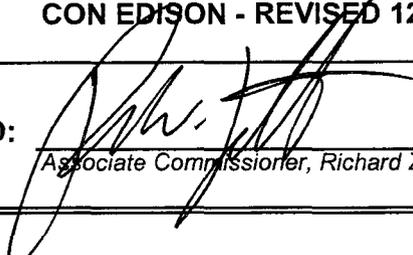
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**SUBJECT: SUMMER HEAT ALERT PROCEDURES FOR
CON EDISON - REVISED 12/07/2010**

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EXCAVATION

APPROVED:


Associate Commissioner, Richard Zetterlund, P.E.

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DDC's Summer Heat Alert Procedures for Con Edison Facilities and the Office of Emergency Management (OEM) Excavation Safety Alert (both attached), are to be followed by all jobsite personnel (Contractors, Consultants and DDC staff) while working around Con Edison's underground utilities, when the New York City Office of Emergency Management (NYCOEM) declares a heat emergency. Please ensure that all DDC field staff, Consultants and Contractors are provided with the attached procedures and that they are reviewed at all preconstruction meetings.

Summer Heat Alert Procedures For ConEd Facilities

December 7, 2010

Purpose

The New York City Office of Emergency Management (OEM), Con Edison (ConEd) 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 ConEd 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 ConEd 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 ConEd 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.

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- 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 ConEd facility operator identifies critical facilities in Section "U" or "Joint Bid" section of the DDC contract. If the critical facilities are not identified in Section "U" or "Joint Bid" section, the contractor is to contact the ConEd representative of the DDC contract to ascertain the critical facilities within the DDC contract limits. Any costs associated with said work will be considered as part of Section "U" or "Joint Bid". If Section "U" or "Joint Bid" is not stipulated in the DDC contract, the cost will be considered a matter of adjustment between ConEd and the contractor.

Note: This section applies also to Joint Bid Projects where references are made to Section "U".

CAUTION: At times, non-critical facilities can become critical facilities due to system demands and failures of back-up systems. ConEd 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

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York City One Call Notification System at 1-800-272-4480 of the emergency excavation in progress as soon as possible.

Summer Heat Alert Procedures

To assist in alerting all contractors of the above excavating practices for protection of underground electric facilities to assure public safety and prevent damage to public and private property during a Summer Heat Alert, OEM, DDC and ConEd shall adhere to the following:

- OEM will call the Infrastructure Deputy Commissioner, Associate Commissioner or the Assistant Commissioners of Construction at 8:00 pm the night before an anticipated Summer Heat Alert. They in turn will e-mail all Borough Directors, Deputy Borough Directors and Engineers-In-Charge informing them that a Summer Heat Alert is anticipated for the next day. They will also record this information on the DDC Summer Heat Alert Hot Line (718-391-2777).
- The next morning at 9:30 A.M. the OEM Heat Emergency Steering Committee will meet and notify ConEd and DDC whether a Summer Heat Alert is in effect. If an emergency is in effect an e-mail message will be sent to the email address of all Borough Directors, Deputy Borough Directors and Engineers-In-Charge informing them that a Summer Heat Alert is declared. Also, such message will be recorded on the DDC Summer Heat Alert Hot Line (718-391-2777).
- If a Summer Heat Alert is declared, the Borough Directors, Deputy Borough Directors and Engineers-In-Charge will notify the resident engineer and/or contractor to immediately contact the ConEd representative to ascertain the method of construction to be followed for that day's activities. All direction to changes in methods of construction or modify operations should be given by Con Edison.

If the ConEd representative cannot be contacted, the resident engineer and the contractor are to call the following emergency numbers at ConEd for direction:

All Boroughs Michael Mobyed 718-425-6870 347-203-3225

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Bronx	Michael Thompson	718-904-5398	917-337-5976
	Randolph Tegnazian	718-904-4613	917-337-5973
Queens	Louis Del Priore	718-425-6776	347-538-3993
	Gerald Koch	718-425-6790	917-642-6830
Brooklyn	Joseph Bedell	718-802-5765	646-208-1826
	Andrew Feehan	718-802-5811	917-559-0652
Staten Island	Anthony Carucci	718-390-6389	917-939-5927
	Jean Duchatellier	718-390-6289	646-208-9395
Manhattan	Michael Toskos	212-894-9378	347-234-0112
	Theresa Kong	212-894-9647	347-297-0520
Lower Manhattan	John Stefandl	212-693-3510	347-234-0111
	John Hughes	212-693-3513	646-772-3261

(effective 01-01-2011)

- 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.

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OFFICE OF EMERGENCY MANAGEMENT INFRASTRUCTURE PREPAREDNESS BULLETIN **EXCAVATION SAFETY ALERT**

ABOUT THE EXCAVATION SAFETY ALERT

Contractors are required to dig safely at all times to protect underground critical facilities by following requirements outlined in the Protection of Underground Facilities Act (16 NYCRR Part 753), also known as, **Code 753**. Under State law contractors are required to "Call Before You Dig" through the New York City and Long Island One Call System (**800-272-4480**).

During periods of extreme heat, the continuity of underground critical facilities that supply electric, gas, steam, water, and telecommunications becomes vital to maintaining a high level of public safety and quality of life. Based on weather conditions, the City will issue an **Excavation Safety Alert** to heighten awareness of safe excavation practices and provide additional guidance contractors may choose to implement that is above and beyond what is outlined in Code 753 for facilities that are deemed critical.

Generally, **Excavation Safety Alerts** may be issued between May 15 and September 15, but an alert may be issued at any point during the year if deemed necessary to the maintenance of public safety. Contractors are encouraged to monitor weather reports during this period of time. The Alert will be announced through 311 and will be posted on the OEM website – www.nyc.gov/oem. If an **Excavation Safety Alert** is issued, contractors are strongly encouraged to implement the enhanced protective measures listed below for critical facilities, such as primary electric feeders, oil filled electric facilities, gas transmission mains, stream transmission mains, and telecommunications switching stations.

SUGGESTED ACTIONS DURING AN EXCAVATION SAFETY ALERT

Enhanced Protective Actions

- Cease all activity involving excavation **within 96 inches** from the outside edge of the facility trench to the marked critical facilities.
- Excavation activity may resume around critical facilities only if the contractor digs by hand and uncovers the critical facility. Once the location and extent of the critical facility is visually confirmed, excavation may resume utilizing powered equipment to **within four (4) feet** of the edge of the critical facility.
- Other restricted activities in the presence of critical facilities include, but are not limited to, backfilling and tamping and installing piping under critical facility crossings. When these activities are necessitated by schedule or work area restrictions/stipulations, the contractor may proceed with extreme caution.
- Utilize an excavator observer or "pit man" to assist the equipment operator when operating excavation equipment.

General Protective Activities

- **Call Before You Dig:** New York City and Long Island One Call System (**800-272-4480**)
- Wait the Required Time
- Confirm Utility Response
- Respect the markings
- **Dig with Care:** Take all reasonable steps necessary to avoid damage to and or otherwise interfere with underground facilities

EXCAVATION SAFETY ALERT INFORMATION SOURCES

Non-emergency	311
Emergencies	911
New York City and Long Island One Call System	800-272-4480 http://www.nycli1calldsi.com
New York City Office of Emergency Management	www.nyc.gov/oem