Environmental Management and Construction Plan
Phase 2: Newbridge Road Connector Project

PSC Case 04-T-1687

Draft: December 15, 2005

Revision 1: February 20, 2006

Prepared by:

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Notice of Phase 2

The Environmental Management and Construction Plan ("EM&CP") for construction of the remainder of the Newbridge Road Connector ("NCR") from (i) the East Garden City Substation east to Merrick Avenue; (ii) from Carman Avenue east to the Newbridge Road Substation; and (iii) along the entire route east from the Newbridge Road Substation to the Ruland Road Substation was filed by the Long Island Power Authority ("LIPA") with the New York Public Service Commission ("NYPSC") on or about December 15, 2005. The EM&CP for Phase 1 of the NCR, the segment of the NCR in Eisenhower Park, was filed on November 14, 2005 with the NYPSC.

The NRC is a 13 mile, 345 kV underground transmission cable that will extend four (4) miles west from the Newbridge Road Substation to the East Garden City Substation, and nine (9) miles east from the Newbridge Road Substation to the Ruland Road Substation. The NCR will enable the full receipt and delivery of capacity from the Neptune Regional Transmission System ("Neptune").

Five (5) alternative routes were considered but rejected because they involve, among other negative impacts, increased community disruption. Alternative technologies were also considered but rejected because they either entailed increased environmental impacts or were not technically compatible with Neptune.

The EM&CP consists of final design plans for the construction of a particular segment of the certified route of the NRC. The EM&CP filings are subject to public review and comment, and to NYSPC approval. LIPA will require licenses from the Long Island Rail Road; Metropolitan Transportation Authority; New York State Department of Transportation; New York State Office of Parks, Recreation, and Historic Preservation; and Farmingdale State University, as well as easements from Plato Holdings LLC, and Poseidon Pool & Spa Recreational, Inc. and Steamroller Properties Ltd. for portions of the route in this EM&CP. LIPA has applied for the licenses and has obtained the easements.

The EM&CP is available for public inspection at the Hicksville Public Library, 169 Jerusalem Avenue, Hicksville, New York 11801. Any person desiring additional information may request it from Monique Brechter, Long Island Power Authority, 333 Earle Ovington Boulevard, Uniondale, New York 11553 (516-719-7518, Mbrechter@lipower.org). Any person may file written comments with the Secretary to the NYPSC, Three Empire State Plaza, Albany, New York 12223-1350, and LIPA within 30 days of the date of this notice.

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1 Introduction

1.1 Project Overview

Long Island Power Authority (LIPA) will be constructing, operating, and maintaining a new 345 kilovolt (kV) underground transmission facility consisting of approximately 13 total circuit miles (the Project), enabling full receipt and delivery of capacity from the Neptune Regional Transmission System (Neptune RTS) project (see Figure 1-1). The completed Project will be comprised of one circuit that will extend west for approximately 4 miles (Western Connector) from LIPA's Newbridge Road substation (Newbridge Substation) to its East Garden City substation (EGC Substation) and another circuit that will extend east for approximately 9 miles (Eastern Connector) from LIPA's Newbridge Substation to its Ruland Road Substation (Ruland Substation). Based upon a Joint Proposal submitted by parties on October 21, 2005, the Public Service Commission issued a Certificate of Environmental Compatibility and Public Need pursuant to Article VII of the Public Service Law for the Project on November 23, 2005. The Commission adopted the terms of the Joint Proposal, which is referenced herein.

Phase 1 Revision 1 of the Environmental Management and Construction Plan (EM&CP), dated December 12, 2005, covered the portion of the Project that crossed through Eisenhower Memorial Park (the Park) starting at a point approximately 250 feet east of Merrick Avenue to the west and ending at Carman Avenue to the east. The instant plan is being submitted for Phase 2 of the EM&CP and covers trenching operations, conduit and manhole installation, cable installation, and site restoration activities for the remainder of the Project. This EM&CP has been prepared in accordance with the applicable Certificate Conditions and the EM&CP guidelines attached as Appendices D and E, respectively, to the Joint Proposal.

In accordance with the requirements of the Joint Proposal, LIPA shall not begin site preparation or construction with respect to any portion of the Project before it has submitted to the Commission and the parties, and the Commission has approved, an EM&CP for the relevant portion of the Project. Construction shall not commence on any segment of the facility until construction has actually commenced on the Neptune RTS project. The terms of the Joint Proposal and the en-

vironmental protection measures contained in the Application have been incorporated into the EM&CP.

The EM&CP outlines specific environmental protection and mitigation measures to protect vegetation and water resources. Requirements outlined in this EM&CP will be incorporated into the appropriate construction specifications and contract documents. The Project Compliance Manager will ensure that the requirements of this EM&CP are adhered to during the construction of the Project.

1.2 Phase 2 Construction

This Phase 2 EM&CP presents the standards and procedures that will be used by LIPA as the baseline standards in the construction and management of its transmission facilities from its EGC Substation east to Merrick Avenue; from Carman Avenue to the Newbridge Substation; and along the entire route of the Eastern Connector. The standards and procedures set forth herein are designed to minimize or avoid, to the extent practical, adverse impacts to sensitive environmental areas along the Project route.

1.3 Organization of Document

In compiling this document, LIPA has followed a sequence that meets the applicable conditions of the Joint Proposal.

Table 1-1 provides appropriate cross-references, indicating where the EM&CP addresses specific requirements of the EM&CP Guidelines. Table 1-2 provides appropriate cross-reference indicating where the EM&CP addresses specific requirements of the Certificate Conditions.

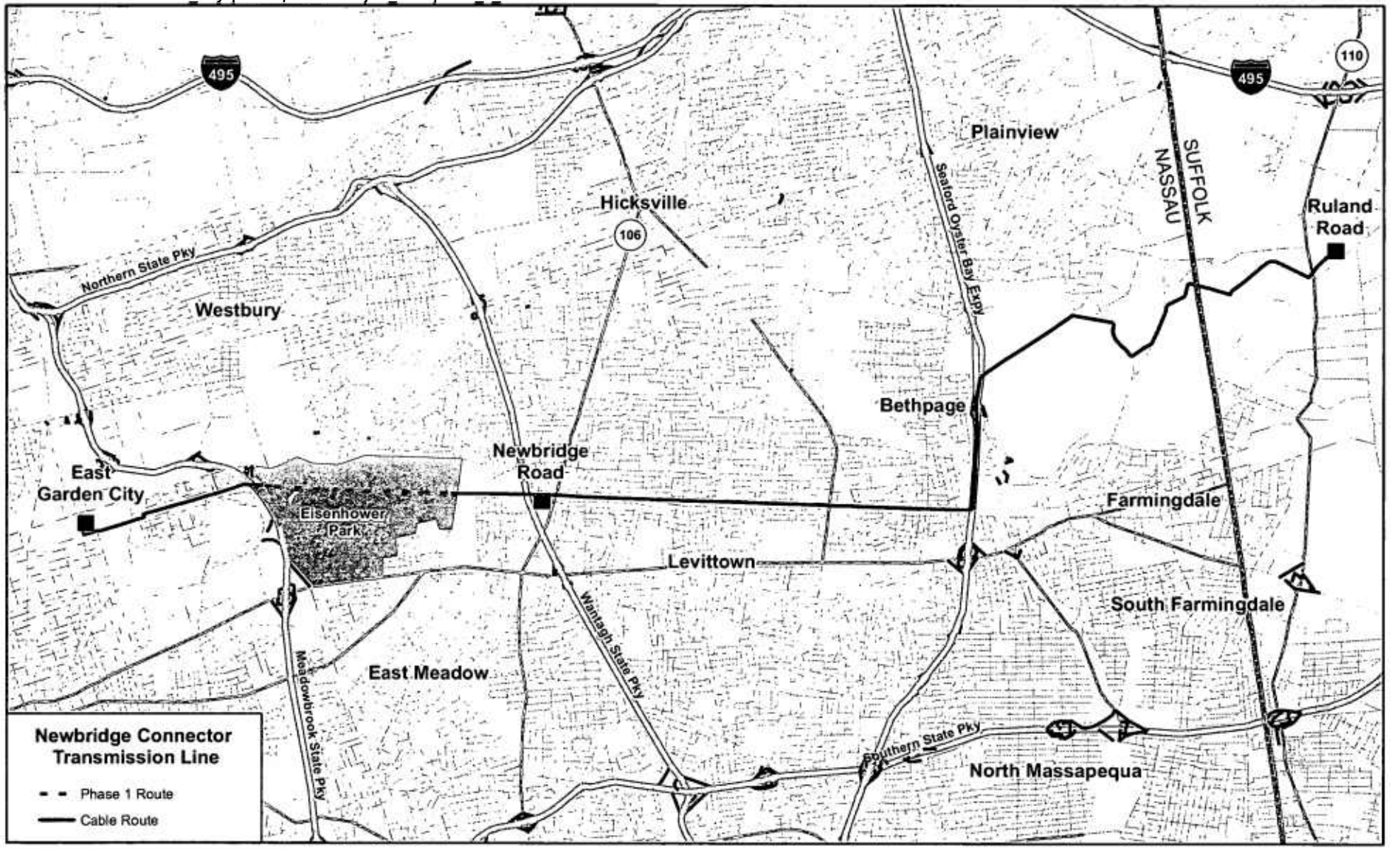

FIGURE 1-1
NEWBRIDGE ROAD CONNECTOR
PROJECT ROUTE MAP

Table 1-1 Cross-Reference Guide to General Guidelines for EM&CP, Phase 2 of the LIPA Newbridge Road Connector Project

Guidelines Section	Section Description	EM&CP Section Reference	Note
A-1	Facility Location	2.1	Plan and profile drawings of facility are attached
A-2	Right-of-Way (ROW) Clearing	2.2	
A-3	Building And Structure Removals	2.3	Not applicable
A-4	Waterbodies	2.4	Not applicable
A-5	Wetlands	2.5	Not applicable
A-6	Landscaping	2.6	
A-7	Noise Sensitive Sites	2.7	
A-8	Other Environmentally Sensitive Areas	2.8	Generally not applicable other than visual impact
A-9	Recreational Areas	2.9	
A-10	Agricultural Areas	2.10	Not applicable
B-1	Erosion Control	4.0	
B-2	Fuel And Chemical Handling Procedures	5.0	
B-3	Environmental Supervision	6.0	
B-4	Clean-up and Restoration	8.0	
B-5	Herbicides	9.0	Not applicable
B-6	Agricultural Areas	2.10	Not applicable
B-7	Access Roads	10.1	
B-8	ROW Management Plans	7.0 and 8.0	
B-9	Organization of Document	1.3	

Table 1-2 Cross-Reference Guide to Proposed Certificate Conditions for EM&CP, Phase 2 of the LIPA Newbridge Road Connector Project

Guidelines Section	Section Description	EM&CP Section Reference	Note
1-7	General Requirements		Accepted by LIPA
8	Description of Route	2.1	
9-10	Laws and Regulations		Accepted by LIPA
11-16	EM&CP		Accepted by LIPA
17(a)	Conformance to applicable requirements	2.1	
17(b) & (c)	Deviations from design drawings	2.2	
17(d)	Details of nearby utilities	2.2	
17(e)	Cathodic protection system	2.2	
17(f)	Construction schedule and limitations	2.9 and 3.4	
17(g)	Noise mitigation	2.7	

Table 1-2 Cross-Reference Guide to Proposed Certificate Conditions for EM&CP, Phase 2 of the LIPA Newbridge Road Connector Project

Guidelines Section	Section Description	EM&CP Section Reference	Note
17(h)	Delineation of certified ROW	2.2	
17(i)	Details of street work	2.2	
17(j)	Access roads	10.1 and Attachments A and B	
17(k)	Requirements of 17NYCRR Part 131	10.2	
17(l)	Traffic control plan	10.2	
17(m) & (n)	Traffic control plan for Seaford-Oyster Bay Expressway	10.2	
17(o)	Fuel and chemical handling procedures	5.0	
17(p)	Construction worker parking areas	2.2	
17(q)	Equipment removal, reuse, recycling or disposal plan	8.0	
17(r)	Soil handling and erosion control plan	4.0	
17(s)	Clearing and vegetation treatment plan	7.0	
17(t)	BMPs for groundwater recharge basins		Not Applicable to Phase 2 Construction
17(u)	Controls for weekend/night-time work	2.7	
17(v)	Location and construction details for 345kV upgrade	2.2	
18-21	EM&CP Process		Accepted by LIPA
22-25	Notices, Reports and Consultations		Accepted by LIPA
26	Access roads	10.1	
27	Preconstruction meeting		Accepted by LIPA
28	Notification before commencing construction or clearing	6.0	
29	Construction delineation and marking	2.2	
30	Weekly status reports	6.0	
31-32	Notification		Accepted by LIPA
33	Consult about traffic conditions	10.2	
34-35	Notification and spill response	5.0	
36-38	Environmental Supervision	6.0	
39-41	Cultural Resources	2.12	
42	Chemical storage	5.0	

Table 1-2 Cross-Reference Guide to Proposed Certificate Conditions for EM&CP, Phase 2 of the LIPA Newbridge Road Connector Project

Guidelines Section	Section Description	EM&CP Section Reference	Note
43-44	Public Health and Safety		Accepted by LIPA
45-46	Electric and Magnetic Fields	2.11	
47	Construction work hours	2.7	
48	Construction scheduling	3.4	
49	Removal/disposal of existing transmission facility components		Not Applicable to Phase 2 Construction
50	Fugitive dust and airborne debris control	4.0	
51	Restoration of disturbed areas and pavement	8.0	
52	Sedimentation and erosion control devices	4.0	
53	Excavation on agricultural lands	2.10	Not Applicable to Phase 2 Construction
54	Clearing and vegetation treatment plan	7.0	
55	Handling of merchantable logs	7.3	
56	Clearing or altering areas outside of boundaries	2.2	
57	Replacement of vegetation	8.2	
58	Landscaping on completion of the Facility	2.6	
59(a)	Traffic control	10.2	
59(b)	Transportation offsets		Accepted by LIPA
60	Construction worker parking	2.2	
61	Access to ROW to avoid property disturbances	10.1	
64	Future 345kV upgrade	2.2	
65	Visual assessment and landscaping/mitigation plan	2.6	
66	Maintenance		Accepted by LIPA
67-72	Upgrade to 345 kV		Accepted by LIPA

2 General Description

2.1 Facility Location

The Project consists of the Western and Eastern Connectors, which together, total approximately 13 circuit miles passing through the towns of Hempstead, Oyster Bay, and Huntington, New York. The underground facility location is shown on the Plan and Profile Drawings included in the Attachments. Attachment A shows the Western Connector: Newbridge Substation to the EGC Substation; Attachment B shows the Eastern Connector: Newbridge Substation to Ruland Road Substation. Information shown on these drawings complies with the EM&CP Guideline requirements for design drawings as presented in the Commission Certificate, applicable federal and state requirements, and local substantive requirements including, but not limited to, the Bureau of Alcohol, Tobacco and Firearms, Occupational Safety and Health Administration, New York State Department of Labor, the Uniform New York State Fire Prevention and Building Code, and chemical and waste-storage use and handling regulations. The Phase 2 EM&CP covers the entire Eastern Connector and Western Connector exclusive of the Eisenhower Park Construction, which is covered under the EM&CP Phase 1.

Western Connector: EGC Substation to Newbridge Substation

The proposed Western Connector will consist of a new 345 kV underground transmission circuit between the existing Newbridge and EGC Substations. This 4-mile transmission line will be located almost entirely within the existing LIRR ROW.

A 345 kV/138 kV underground transmission transition terminal, 138 kV underground cable, 138 kV SF6 circuit breaker, instrumentation, and associated switches will be built inside the LIPA EGC Substation, (located on the south side of Stewart Avenue, approximately 2,300 feet west of Quentin Roosevelt Boulevard, in the town of Hempstead), to accommodate a new 345 kV transmission line. The new equipment will be connected to the 138 kV bus at the EGC Substation. Please see the EGC Substation interconnection drawings in Attachment A.

From that 345 kV/138 kV transition termination structure, the underground transmission circuit, built for 345 kV operation but operating at 138 kV, will exit

the EGC Substation at its southern property line, travel south across the LIRR right of way (ROW) to Commercial Avenue.

At Commercial Avenue the route heads eastward for approximately 0.5 mile along Commercial Avenue and migrates onto the 60-foot wide LIRR ROW for approximately 3.5 miles to its entrance into the Newbridge Substation, located in the Town of Hempstead, Nassau County, New York. Along the 4-mile route, the underground circuit will pass under the Meadowbrook and Wantagh State Parkways and travel through the Nassau County Eisenhower Park (construction within Eisenhower Park is covered in the Phase 1 EM&CP). At the Newbridge Substation, the 345 kV circuit from EGC Substation will terminate at a 345 kV/138 kV underground transmission transition terminal.

An SF6 circuit breaker with associated switches and instrumentation will be built for the new transmission line and connected to the 138 kV bus at the Newbridge Substation. Please see the Newbridge Road Substation interconnection drawings in Attachment A. Instrumentation at both EGC and Newbridge Substations will be installed to provide the necessary system control and protection.

The transmission cable route from EGC Substation to Newbridge Substation will consist of a three 12-inch high-density polyethylene (HDPE) conduit set in a trefoil (triangular) arrangement with single-circuit manholes spaced approximately 1,500 feet apart. The manholes will house the cables splices and cable sheath cross bonding hardware. In addition, the cable route will also have two (2) fiber optic conduits installed for system control and protection purposes between substations.

Eastern Connector: Newbridge Substation to Ruland Substation

The proposed Eastern Connector will consist of a new 345 kV underground transmission circuit between the existing Newbridge and Ruland substations. This 9.1-mile transmission line will be located almost entirely within properties controlled by the Long Island Rail Road (LIRR), Metropolitan Transportation Authority (MTA), New York State Department of Transportation (NYSDOT), New York State Office of Parks, Recreation, and Historic Preservation, and the State University of New York at Farmingdale (SUNY-Farmingdale).

A 345 kV/138 kV underground transmission transition terminal, SF6 circuit breaker, instrumentation, and associated switches will be built in the northeast corner of the Newbridge Substation, (located on the west side of Newbridge Road, south of Salisbury Park Drive, in the Town of Hempstead), to accommodate the new transmission line. This equipment will be connected to the 138 kV bus at the Newbridge Substation. Please see the Newbridge Road Substation interconnection drawings in Attachment B for the Eastern Connector. From that termination structure, the underground transmission circuit, built for 345 kV operation but operating at 138 kV, will exit the Newbridge Substation at its north eastern property line and travel eastward along the 60-foot wide LIRR ROW for approximately 4

miles to the west side of the Seaford Oyster Bay Expressway (NYS-135) in the town of Oyster Bay. The circuit will be directional drilled eastward under the Seaford Oyster Bay Expressway and exit onto the grass area along the Expressway's east side.

The cable route will run north along the east side of the right-of-way of the Seaford-Oyster Bay Expressway (NYS Route 135) for a distance of approximately 1.4 miles. From the Seaford-Oyster Bay Expressway, the route turns northeast on to Bethpage State Park along a park roadway and a bicycle path to a picnic area parking field. From the parking field, the route proceeds through the northwest section of the park for approximately 2,000 feet along an unpaved path on an overhead electric transmission line ROW to a point just south of Barry Lane. The route then continues eastward along the Park's northern boundary near a narrow bike path for approximately 0.3 mile to the west side of Round Swamp Road. From here, the route runs south along Round Swamp Road for approximately 0.3 mile to the intersection with Winding Road. The transmission route turns northward on Winding Road for approximately 0.5 mile. The route then turns northeast and extends for approximately 0.2 mile through a forested area on Bethpage State Park to an open field on SUNY-Farmingdale property. The transmission circuit continues through SUNY-Farmingdale property along its western and northern property lines adjacent to a three-circuit overhead transmission line for approximately 1.3 miles to New York State Route 110 (NYS Rte 110). At NYS Rte 110, the transmission circuit will be directional drilled north-eastward under NYS Rte 110. From there it will enter upon a ROW owned by LIPA. The cable route finally crosses one property and then ends at LIPA's Ruland Substation. That distance from SUNY-Farmingdale property to LIPA's Ruland Substation is approximately 0.3 mile. The 345 kV circuit will terminate at a 345 kV/138 kV transition terminal. The 138 kV cable side will be connected to the 138 kV bus at the Ruland Substation with a 138 kV solid dielectric cable through a 138 kV SF6 circuit breaker, series inductor, and associated switches. Please see the Ruland Road Substation interconnection drawings in Attachment B.

The 345 kV underground transmission cable from Newbridge Substation to Ruland Substation will consist of one set of three 12-inch HDPE conduits in a trefoil (triangular) arrangement with single-circuit manholes spaced approximately 1,500 feet apart. The manholes will house the cable splices and cable sheath cross bonding hardware. In addition, the cable route will also have two (2) fiber optic cable conduits installed system control and protection purposes between substations.

2.2 ROW Clearing

The workable ROW along the 4 miles of the Western Connector will be located almost entirely within the existing 60-foot wide LIRR ROW. Along the route of the Eastern Connector, the transmission line follows the LIRR ROW for approximately 3.5 miles of its 9.1-mile length. Construction activities shall be limited to the 60-foot wide LIRR ROW in these areas. The ROW will be used for material

storage, spoils handling, and worker/equipment parking. Most activities will occur within a 30 ft. wide path within the 60 foot ROW. A typical ROW construction layout is provided in Figure 2-1. The underground cable along the Seaford Oyster Bay Expressway portion of the route will be laid in the eastern area between the expressway shoulder and the access control line typically 30 feet off of the fog line of the roadway (near the shoulder). Federal Highway Authority (FHWA) consideration of this portion of the route for the Project is necessary to the NYS Department of Transportation's approval of use of this portion of the shoulder of Seaford-Oyster Bay Expressway. The NYSDOT is in the process of submitting this request for use to the FHWA for its consideration and approval. The Commission will be notified as soon as this process is complete and NYSDOT approval is final.

As the route turns northeast into and through Bethpage State Park, the underground cable will be laid within the ROW of the 138 kV Newbridge to Ruland Road transmission line in the Park, continuing to the northwest section of the Park to a point just south of Barry Lane. Turning easterly away from the 138 kV transmission line, the route then proceeds near the Park's northern property line and near a narrow bike path to the west side of Round Swamp Road. Thence, the route runs south on the ROW of Round Swamp Road for approximately 0.3 mile to the intersection with Winding Road. The route then turns northward on the ROW of Winding Road for approximately 0.5 mile, and then northeast into and through a treed area on Bethpage State Park for 0.2 mile. Upon leaving the Park, the route enters an open field on the SUNY-Farmingdale campus.

A portion of the route in Bethpage State Park and on campus properties will be in proximity to certain United States Environmental Protection Agency (USEPA) facilities associated with the Claremont Polychemical Superfund Site groundwater recovery and reinjection system located on these state properties. LIPA and the USEPA have reached an agreement in principle that the Project will be completed without interference with the ongoing remediation activities at the site. LIPA has agreed to prepare a Work Plan to address any unlikely, but potential, damage that may be caused to the extraction or injection lines affecting system operation at the Claremont Site by construction of the cable. A letter from the USEPA addressing the issues with the Claremont site is provided as Attachment C.

The route continues easterly into the Town of Huntington approximately 1.3 miles along and within the western and northern borders of the SUNY-Farmingdale campus, and within the LIPA three-circuit overhead transmission line ROW. It then crosses under Broadhollow Road (NYS Route 110) to the LIPA-owned ROW to the Ruland Road Substation.

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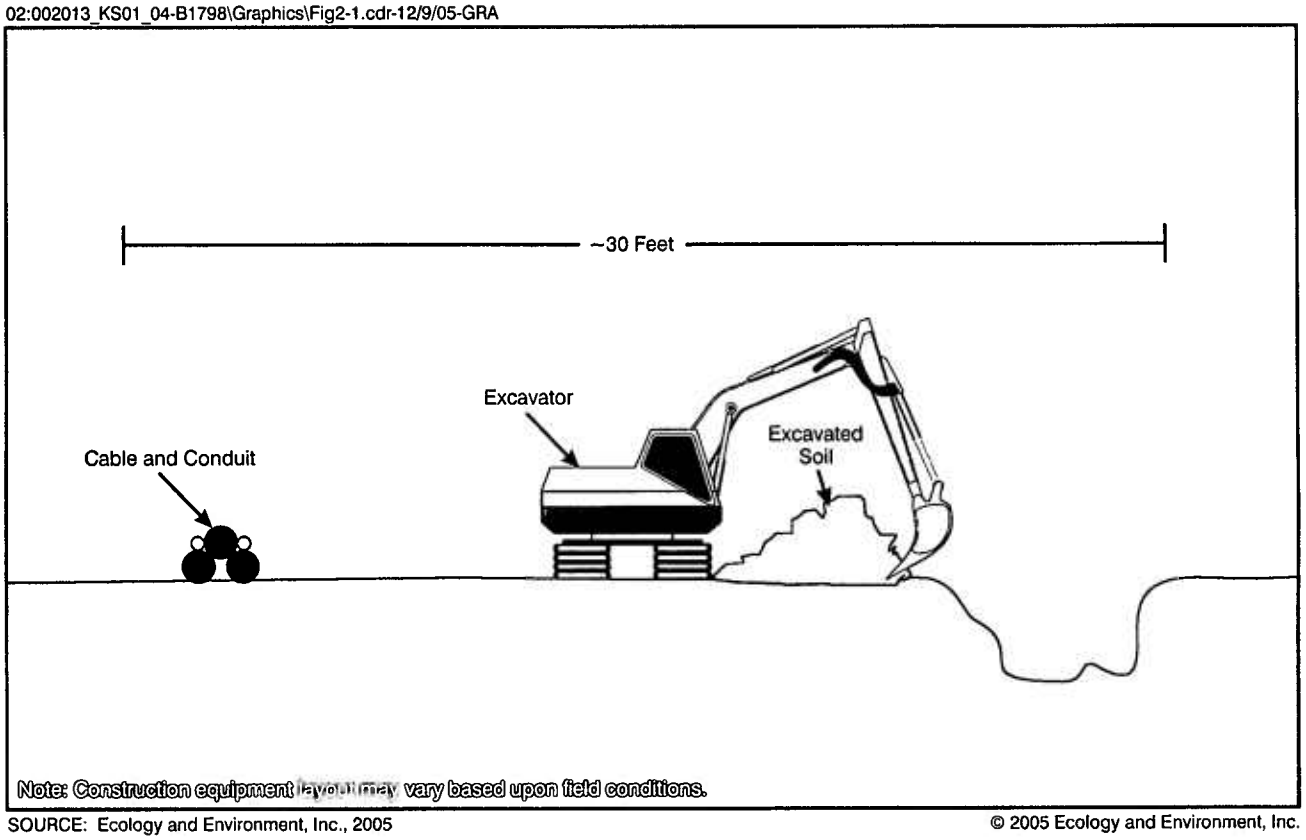

SOURCE: Ecology and Environment, Inc., 2005

Figure 2-1 Typical of Laydown Area along the ROW

The underground cable route was carefully selected to minimize the amount of vegetation to be cleared. Horizontal direction drilling (HDD) techniques will be employed to reduce the necessity to remove trees or to significantly trim back treed areas. Areas requiring some clearing along the route are shown on the design drawings. Cover type along the entire cable route is provided in Table 2-1.

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
257+90			East Garden City Substation Fence line
257+90	258+35	Gravel/LIRR Tracks	
258+35	259+43	Concrete	
259+43	272+23	Asphalt	Commercial Ave (Nassau Co. roadway)
272+23	272+50	Rubberized slab/LIRR spur tracks	Commercial Ave
272+50	288+20	Asphalt	Comm. Ave/Comm. Ave extension
288+20	288+35	Rubberized slab/LIRR tracks	
288+35	288+43	Asphalt	
288+43	304+50	Scrubs/shrubs/small trees	
304+50	304+67	Soil/grass	
304+67	304+97	Asphalt	Selfridge Road (Nassau Co. roadway)
304+97	306+25	Soil/grass/gravel	
306+25	317+33	Scrubs/shrubs/small trees	
317+33	317+53	Gravel	
317+53	319+83	Soil/gravel/grass	
319+83	319+86	Concrete sidewalk	
319+86	320+20	Asphalt	Endo Boulevard (Nassau Co. roadway)
320+20	320+23	Concrete sidewalk	
320+23	320+31	Lawn	
320+31	328+15	Asphalt	Stahl Eye Assoc. parking lot
328+15	328+75	Concrete pad	
328+75	331+00	Soil/scrub/brush	
331+00	334+00	Scrub/brush/small trees	
334+00	334+32	Grass	
334+32	334+70	Asphalt	
334+70	335+50	Grass	
335+50	335+84	Asphalt	Ramp to southbound Meadowbrook Parkway (NY State roadway)
335+84	336+06	Grass	
336+06	336+58	Asphalt	Southbound Meadowbrook Pkwy
336+58	336+80	Grass	
336+80	337+35	Asphalt	Northbound Meadowbrook Pkwy
337+35	337+45	Grass	

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
337+45	337+80	Asphalt	Ramp to northbound Meadowbrook Pkwy (NY State roadway)
337+80	338+30	Grass	
338+30	342+40	Grass/shrubs/small trees	
342+40	342+70	Asphalt	Ramp to northbound Meadowbrook Pkwy
342+70	342+80	Grass	
342+80	343+10	Asphalt	Ramp from northbound Meadowbrook Pkwy
343+10	343+25	Grass	
343+25	343+80	Grass/shrubs/small trees	
343+80	345+80	Asphalt	Parking lot
345+80	346+17	Grass	
346+17	346+20	Concrete sidewalk	
346+20	346+24	Grass	
346+24	346+92	Asphalt	Merrick Avenue (Nassau Co. roadway)
Eisenhower Park			
423+42	424+50	Asphalt	Carman Avenue (Nassau Co. roadway)
424+50	427+80	Asphalt	Nassau Co. Jail driveway
427+80	427+95	Concrete sidewalk	
427+95	428+45	Grass	
428+45	428+48	Concrete sidewalk	
428+48	428+70	Asphalt	
428+70	428+75	Concrete sidewalk	
428+75	429+05	Grass	
429+05	429+10	Concrete sidewalk	
429+10	430+20	Asphalt	Parking area
430+20	430+55	Grass	
430+55	430+90	Asphalt	
430+90	446+68	Grass some shrubs and trees	
446+68	446+70	Soil/gravel	
446+70	446+75	Concrete sidewalk	
446+75	446+80	Soil/gravel	
446+80	447+50	Asphalt	Old Westbury Road (Twsp. roadway)
447+50	454+92	Grass some shrubs/trees	
454+92	455+18	Asphalt	S.B. Wantagh Parkway (NYS roadway)
455+18	455+29	Grass	
455+29	455+53	Asphalt	N.B. Wantagh Parkway (NYS roadway)
455+53	458+23	Grass some shrubs/trees	
458+23	458+48		Newbridge Road Substation
464+92	465+95	Asphalt	North Newbridge Road (NYS roadway)
465+95	466+00	Concrete sidewalk	

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
466+00	469+00	Asphalt	Firehouse parking area
469+00	488+80	Grass/soil	
488+80	488+85	Concrete sidewalk	
488+85	488+90	Grass	
488+90	489+20	Asphalt	Hilltop Road (Twsp. roadway)
489+20	489+25	Grass	
489+25	489+30	Concrete sidewalk	
489+30	506+95	Grass/soil	
506+95	507+00	Concrete sidewalk	
507+00	507+03	Grass	
507+03	507+33	Asphalt	Strawberry Lane (Twsp. roadway)
507+33	507+38	Grass	
507+38	507+43	Concrete sidewalk	
507+43	534+65	Grass/soil	
534+65	534+68	Concrete sidewalk	
534+68	534+73	Grass	
534+73	535+42	Asphalt	Jerusalem Avenue (Nassau Co. roadway)
535+42	535+47	Grass	
535+47	535+50	Concrete sidewalk	
535+50	555+90	Grass/soil	
555+90	556+40	Scrub/shrubs	
556+40	557+35	Grass/soil	
557+35	557+38	Concrete sidewalk	
557+38	557+41	Grass	
557+41	557+79	Asphalt	Neptune Lane (Twsp. roadway)
557+79	557+82	Grass	
557+82	557+85	Concrete sidewalk	
557+85	583+05	Grass/soil	
583+05	583+08	Concrete sidewalk	
583+08	583+11	Grass	
583+11	583+39	Asphalt	Marginal Road (Assumed Nassau Co. roadway)
583+39	583+42	Grass	
583+42	584+00	Asphalt	North Wantagh Avenue (Nassau Co. roadway)
584+00	584+03	Grass	
584+03	584+06	Concrete sidewalk	
584+06	584+50	Asphalt	
584+50	587+00	Gravel	
587+00	593+40	Grass	

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
593+40	593+90	Shrubs/small trees	
593+90	593+65	Grass	
593+65	593+69	Concrete sidewalk	
593+69	593+71	Grass	
593+71	593+99	Asphalt	Hicksville-Massapequa Road (NY State roadway)
593+99	594+01	Grass	
594+01	594+06	Concrete sidewalk	
594+06	624+50	Grass	
624+50	624+53	Concrete sidewalk	
624+53	624+56	Grass	
624+56	625+24	Asphalt	Stewart Avenue (Nassau Co. roadway)
625+24	625+27	Grass	
625+27	625+31	Concrete sidewalk	
625+31	626+60	Grass	
626+60	626+75	Trees	
626+75	632+25	Grass/soil	
632+25	632+45	Trees	
632+45	635+25	Grass	
635+25	635+29	Concrete sidewalk	
635+29	635+33	Grass	
635+33	635+67	Asphalt	Broadway (Twsp. roadway)
635+67	635+71	Grass	
635+71	635+75	Concrete sidewalk	
635+75	635+80	Grass	
635+80	637+50	Small trees/large shrubs	
637+50	639+10	Grass	
639+10	643+80	Scrub/brush/small trees/large shrubs	
643+80	644+01	Grass	
644+01	645+06	Asphalt	Seaford-Oyster Bay Expressway (NY State roadway)
645+06 (00+48)	5+90	Grass/soil	
5+90	6+60	Scrub/shrubs/small trees	
6+60	15+60	Grass/soil	
15+60	16+15	Scrub/shrubs/trees	
16+15	17+00	Concrete/asphalt	Central Avenue (Nassau Co. roadway)
17+00	18+20	Scrub/shrubs/trees	
18+20	18+85	Railroad track and embankment	LIRR (Central Branch)

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
18+85	19+65	Scrub/brush/small trees/shrubs	
19+65	25+90	Grass/soil	
25+90	42+00	Scrub/brush/shrubs/trees	
42+00	42+05	Brush/grass	
42+05	42+50	Concrete/asphalt	Powell Avenue (Twsp. roadway)
42+50	42+55	Brush/grass	
42+55	42+90	Scrub/brush/trees/shrubs	
42+90	44+20	Grass/soil	
44+20	44+80	Asphalt	Seaford-Oyster Bay Expway NB exit ramp (NY State roadway)
44+80	46+75	Grass/soil	
46+75	47+20	Asphalt	Seaford-Oyster Bay Expway NB entr. ramp (NY State roadway)
47+20	53+25	Grass/soil	
53+25	56+70	Scrub/brush/trees/shrubs	
56+70	57+95	Grass/soil	
57+95	58+50	Scrub/brush/trees/shrubs	
58+50	58+55	Grass	
58+55	59+28	Asphalt	Bethpage State Park bike path
59+28	59+43	Grass/gravel	
59+43	59+87	Asphalt	Bethpage State Park access road
59+87	61+30	Grass	
61+30	62+00	Asphalt	Park access road
62+00	62+25	Grass/soil	
62+25	83+55	Asphalt	Park access road
83+55	85+00	Grass/soil	
85+00	85+25	Brush/shrub	
85+25	85+45	Grass/soil	
85+45	85+95	Asphalt	Park access road
85+95	86+35	Grass/soil	
86+35	96+70	Soil	
96+70	97+40	Scrub/brush Trees	
97+40	97+50	Soil	
97+50	97+70	Broken asphalt	Park path
97+70	101+35	Soil/grass	
101+35	101+70	Scrub/brush Trees	
101+70	104+20	Grass	
104+20	105+20	Scrub/brush trees	
105+20	111+70	Grass	
111+70	122+00	Scrub/brush/trees/shrubs	

Table 2-1 Description of Ground Surface Along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Surface Description	Comments
Start	End		
122+00	140+50	Grass/soil	
140+50	141+30	Asphalt	Round Swamp Road (Nassau Co. roadway)
141+30	143+35	Asphalt	Winding Road (Twsp. roadway)
143+35	168+00	Grass/soil	
168+00	177+90	Scrub/brush/shrubs/trees	
177+90	178+40	Soil	
178+40	179+00	Scrub/brush/shrubs/trees	
179+00	202+65	Grass/soil	
202+65	204+70	Scrub/brush/shrubs/trees	
204+70	224+70	Grass/soil	
224+70	225+05	Scrub/brush/shrubs/trees	
225+05	227+20	Concrete	Drainage channel
227+20	239+50	Soil/grass	
239+50	242+35	Grass/soil	
242+35	242+40	Evergreen Hedge	
242+40	244+20	Asphalt	Parking area
244+20	244+70	Grass	
244+70	246+25	Asphalt	Route 110 (NY State roadway)
246+25	246+30	Grass	
246+30	246+85	Asphalt	Parking area
246+85	256+00	Brush/tall grasses/wildflowers/ soil	
256+00	256+90	Soil/grass	
256+90	257+20	Scrub/shrubs/small trees	
257+20	259+75	Soil/grass	
259+75	260+00	Scrub/shrubs/small trees	PT_5 on circuit to Ruland Road Substation

It should be noted that along the east side of Winding Road there is a chestnut oak community that extends nearly to the edge of the pavement. Migration of the proposed underground cable route further into Winding Road is precluded by existing underground utility interferences. The treed area along Winding Road to be cleared is not considered significant or unique habitat. This area is located near Sta. 160+00 on the route of the Eastern Connector, as shown on the plan and profile design drawings provided in Attachment B

Proposed deviations from the detailed design drawings showing the cable centerline, design depth, and location of structures submitted in this EM&CP are not expected. Any deviations that may arise will be reviewed with the Department of Public Service (DPS) Staff.

The detailed design drawings include the location and boundaries of the primary access routes, locations of potential laydown areas, and areas where potential debris removal, tree removal, pruning, tie-back or other protection may be required. Field offices, parking, staging, and storage areas are likely to be located in the potential laydown areas shown on the design drawings. The contractor will be responsible for determining the adequacy and practicality of these potential laydown areas.

General Staging Area

Unless a more suitable location is agreed to with Public Service Commission (PSC) staff, the Hicksville Operations Center may be used as a general laydown area during active and non-active construction periods for the duration of the project. This area will be used to provide general construction support, store construction materials, equipment, and supplies; to park vehicles; overnight equipment parking; and may be used to store conduit and cable. This staging area will not be used for storing gasoline or diesel fuel. All equipment will be fueled by a mobile fuel truck

The staging area will consist of an area approximately 200 feet by 400 feet that will be delineated and secured using temporary self-supporting chain link fence. Construction crew parking will be available adjacent to the staging area during active construction periods. On a daily basis all employees will park their personal vehicles at this location and be transported to the construction site.

Field Offices and Equipment Storage

Unless a more suitable location is agreed to with PSC staff, the Hicksville Operations Center has been identified as the central field office location during active and non-active construction periods for the duration of the project.

Field offices will consist of three 10-foot by 60-foot trailers, two 10-foot by 20-foot box containers, and one 2½ yard dumpster for office waste. Electric, phone, and sanitary services will be provided by the contractor, at his own expense.

If necessary, at his own cost and effort, the contractor may arrange for other construction staging areas with NYSDOT and other agencies. No other areas within the ROW shall be used for staging equipment or material without prior written approval from the appropriate agency.

The boundaries of all work areas shall be identified with lath, flagging, snow fence, or other temporary marker/barrier.

All known nearby utilities are shown on the detailed design drawings. Prior to construction, the contractor shall contact the utility "one call" service for a mark-out of all underground facilities near the proposed underground cable route. Such notice shall be issued a minimum of 2 days and a maximum of 10 working days, not including the date of the call, prior to work. Every notice provided by an ex-

cavator to the one-call notification system concerning planned excavation shall contain at least the following information:

(1) Name of the person serving such notice;

(2) Name, address and telephone number of the excavator or excavator's company;

(3) Excavator's field telephone number, if one is available;

(4) Name of the field contact person, if any;

(5) Address and exact location as well as the approximate extent and dimensions of the planned work area;

(6) Means of excavation to be used;

(7) Brief description of the planned excavation; and

(8) Date and time the excavation is planned to commence.

During the length of the project the one call requirements will be adhered to. The one call tickets will be updated every 10 days as required by law. Copies of all utility notification documents will be available in the field office and the site superintendent will maintain current documentation.

Any suspected problematic interference locations will be test holed to identify the actual location of the facilities prior to excavation within the area.

Clearances between the underground cable route and other nearby facilities will comply with the provisions of the 2002 National Electrical Safety Code (ANSI C2) in addition to other local codes that may apply, whichever is more stringent.

The installation of the 345 kV Cable does not utilize a cathodic protection system. The Cable will be enclosed within a set of three HDPE conduits that do not corrode. Additionally, the 345 kV Cable system will not impact the existing cathodic protection systems of other nearby facilities. Where facility crossings are identified, spacing between the facilities will comply with the provisions of the 2002 National Electrical Safety Code (ANSI C2) in addition to other local codes that may apply, whichever is more stringent.

2.3 Building and Structure Removals and Upgrades

No building and/or structure removals will be required to install the underground cable along the Project route.

The Project will include equipment additions and upgrades at LIPA's EGC, Newbridge, and Ruland Substations. The proposed improvements to each of the Substations are described below.

EGC Substation

A 345 kV/138 kV underground transmission cable gas insulated switchgear (GIS) transition terminal, 138 kV SF6 circuit breakers, disconnect switch(as), and control and protection instrumentation, will be built and installed at the EGC Substation to accommodate the new transmission line from the Newbridge Substation. The 345 kV/138 kV underground terminal will transition the new 345 kV underground cable to a 138 kV underground cable within the EGC Substation so that a 138 kV interconnection into the existing ring bus can be made. The ring bus will be modified to accept a new 138 kV AC SF6 circuit breaker for the new 138 kV cable connection, as well as replace three existing 63,000 Amperes (63 kA) with 80 kA units to meet fault duty requirements. Please see the substation plot plan, related interconnection elevation, and grading plan in Attachment A.

Minimal lighting will be needed at the 345kV cable GIS interconnection located in the southwest corner of the East Garden City Substation. The interconnection site is in a remote area of the substation adjacent to a LIRR freight rail and other commercial/industrial businesses. Residences are not located in this area. The lights will limit uplight and spill light beyond the fence and property line as well as reduce glare. A variety of lighting models are under consideration.

Newbridge Road

At the Newbridge Substation, equipment, similar to that at EGC, will interconnect the 345 kV underground cable to the 138 kV bus from East Garden City and from Ruland Road Substations. Two 345 kV/138 kV underground transmission cable GIS transition terminals, 138 kV SF6 circuit breakers, disconnect switch(es), and control and protection instrumentation, will be built and installed at the Newbridge Substation to accommodate the new transmission line from the east and west. The substation plot plan and related interconnection elevations are identified in Attachment A, for cable circuit from East Garden City, and in Attachment B, for cable circuit to Ruland Road. Clearing and grading are not required at the Newbridge Road Substation.

Minimal lighting will be needed at the 345kV cable GIS interconnection located in the northwest and northeast corner of the Newbridge Road Substation. The northwest interconnection site is in the substation adjacent to the eastern property line of the Wantagh State Parkway and at a lower elevation than Salisbury Park Drive to the north. By its location, lighting disturbances will be virtually non existent. The lighting will limit uplight and spill light beyond the fence and property line as well as reduce glare. A variety of lighting models are under consideration.

Ruland Substation

At the Ruland Substation an open air interconnection method will be used to interconnect the 345 kV underground cable to the 138 kV bus. A 345 kV/138 kV open air underground transmission cable transition terminal, 138 kV SF6 circuit breaker, disconnect switch(es), series inductor, and control and protection instrumentation, will be built and installed at the Ruland Substation to accommodate the new transmission line from the Newbridge Substation. The 345 kV/138 kV underground terminal will transition the new 345 kV underground cable to a 138 kV underground cable within the Newbridge Substation so that an interconnection into the 138 kV bus can be made at the Ruland Substation. Please see Attachment B for the substation plot plan and related interconnection elevations. Clearing and grading are not required at the Ruland Road Substation.

Minimal lighting will be needed at the 345kV cable interconnection located at the northern portion of the Ruland Road Substation. The interconnection site is in a remote area of the substation on a large LIPA parcel north of the existing 138kV buswork. The area is bordered by the United States Postal Service and open area for LIPA property divorced from any residences. The lighting will limit uplight and spill light beyond the fence and property line as well as reduce glare. A variety of lighting models are under consideration.

Some additional work will also be performed at the Ruland Substation that is not related to this Project. The additional work has been planned and designed to convert the existing 138 kV ring bus to a breaker and a half scheme for additional system reliability purposes.

2.4 Waterbodies

The Cable does not cross any surface water bodies along the Project route, nor are any surface waters located directly adjacent to the cable substations.

2.5 Wetlands

Based on field surveys and inspection of New York State Department of Environmental Conservation (NYSDEC) and United States Fish and Wildlife Service wetland maps, no wetlands are present along or immediately adjacent to the route of the transmission line.

2.6 Landscaping

Upon completion of the Neptune and LIPA transmission facilities at the Newbridge Road Substation (including the new spare 345 kV conduit), LIPA will prepare and submit a visual assessment and landscaping/mitigation plan for the area around the substation for DPS Staff review. The plan will include measures regarding removal of oversized trees or undesirable vegetation, landscaping, drainage, grading, measures to contain pedestrians and control litter including restoring or replacing fences and sidewalks, including restoration or replacement of side-

walks along Salisbury Park Drive adjacent to the Facility ROW and the installation of a bus shelter, and other mitigation measures as appropriate.

2.7 Noise Sensitive Sites

Construction activities along the cable route will include horizontal directional drilling (HDD), cable trenching, and backfilling. This involves the use of backhoes, small cranes, trucks and drill rigs. This equipment can cause temporary increases in ambient noise levels in the immediate vicinity of the work area. The major noise producing construction equipment and corresponding sound pressure levels (SPL) at 50 feet away are listed in Table 2-2.

Table 2-2 Construction Equipment Noise at 50 Feet

Construction Activity	Equipment	SPL (dBA)
Transformer Installation	Large Crane	88
	Truck	88
	Cement Mixer	85
Horizontal Directional Drilling	Drill Rig	102
	Small Crane	83
	Truck	88
Cable Trenching	Backhoe	85
	Truck	88

Residential areas immediately adjacent to the route are generally considered noise-sensitive, although actual ambient noise levels vary and may not be significant in areas in close proximity to high traffic areas. Previously identified noise sensitive sites along the Project route include:

Western Connector: East Garden City to Newbridge Road Substation

- LIRR ROW from Quentin Roosevelt Blvd to Endo Blvd.
- LIRR ROW from Carmen Avenue to the Newbridge Road Substation.
- Newbridge Road Substation.

Eastern Connector: Newbridge Road Substation to Ruland Road Substation

- LIRR ROW from the Newbridge Road Substation eastward to the western property line of the Seaford Oyster Bay Expressway (NYS Rte 135).
- South Barry Lane, just west of Round Swamp Road.
- Route 135, just south of Powell Avenue.

To minimize noise impacts, engine covers and mufflers will be employed to reduce noise emissions from mobile equipment associated with the cable trenching and backfilling activities. Notification about the source of the noise, how long to expect the noise to continue, and a contact person for questions about the noise will be provided to the area residents. Construction work within noise sensitive areas will be conducted between the hours of 7:00 a.m. and 6:00 p.m. on weekdays except as described below.

It will be necessary to include some evening/night-time hours (6:00 p.m. to 7:00 a.m.) in the schedule to accommodate some directional drilling and manhole splicing operations. In accordance with the noise prohibitions of Chapter 144 of the Code of the Town of Hempstead and Chapter 141 of the Code of the Town of Huntington, no evening/night-time work that would violate noise prohibitions will occur within the towns of Hempstead or Huntington except for splicing and final testing activities at the manhole, which may be conducted in the towns on a 24-hour per day basis, when necessary.

LIPA shall provide written notice to the affected Towns and to residents of all affected neighborhoods prior to evening/night-time construction, and shall indicate a contact person and 24-hour telephone number for handling complaints related to construction noise.

During hours that are otherwise noise restricted (6:00 p.m. to 7:00 a.m.), LIPA will use noise attenuated generators and compressors (such as Quiet Zone™ or similar equipment) and/or portable noise barriers to minimize noise from construction activities.

As the work progresses along the Project route, all of the equipment will not operate simultaneously, and no single receptor will be exposed to increased noise levels for an extended period of time. Typical construction activities will move through an area at the rate of approximately 500 to 1,000 feet per day. Work in the proximity of any individual general location along the proposed route will likely last no more than approximately one week, as construction activities move along the corridor.

2.8 Other Environmentally Sensitive Areas

No federal or state-listed threatened or endangered species were observed within the Project area during field investigations.

2.9 Recreational Areas

Bethpage State Park is a recreational area. The cable route within the Park is predominantly along a paved roadway and paved and unpaved bicycle paths in a previously disturbed, but wooded area. To minimize disturbance of recreational use at the Park, work will be performed during the periods specified below

Work restrictions within the Park have been defined through discussions with representatives as follows:

- Work will not be performed between Memorial Day and Labor Day.

There are also several local town parks and pools located along the route between Newbridge Road and Route 135, including the Town Park, east of Hilltop Road in Levittown; the Town Park, north of Meridian Road on the east side of Jerusalem Avenue; and the soccer "Field of Dreams" located on the north side of Salisbury Park Drive, west of the Wantagh Parkway. These facilities are adjacent to, but not on the ROW; therefore, no impacts are expected.

2.10 Agricultural Areas

No agricultural areas are present along or immediately adjacent to the route of the transmission line.

2.11 Electric and Magnetic Fields

Operation of the Newbridge Connector electrical transmission line will comply with the electric and magnetic field (EMF) standards established by the New York State Public Service Commission in Opinion No. 78-13 (issued on June 19, 1978) and the Statement of Interim Policy on Magnetic Fields of Major Electric Transmission Facilities (issued September 11, 1990), respectively.

A summary of these standards is as follows:

- (1) Transmission circuits shall be designed, constructed and operated such that that magnetic fields associated with the transmission circuit will not exceed 200-milligauss at the edges of their ROW (1 meter aboveground) when the transmission circuit phase currents are equal to the operational current ratings.

- (2) Transmission circuits shall be designed, constructed and operated such that electric fields associated with the transmission circuit will not exceed 1.6 kilovolts per meter at the edges of their ROW (1 meter aboveground) when the circuit phase voltage are equal to their design rating.

- (3) Where there is no well-defined edge of ROW, the "deemed" edge of ROW shall be 75 feet from the center-line for 345-kV transmission; 60 feet from the centerline for 230-kV transmission; and 50 feet from the centerline for lower voltages.

To possibly further minimize magnetic fields, the following DPS staff mitigation recommendations have been fully investigated during construction design for the

affected segment of the Facility, analyzed and are documented in this EM&CP in Attachment D in accordance with the Joint Proposal Agreement.

a) Moving the proposed route of the Facility in the vicinity of Locations 1 and 2 in the EMF study more to the center of the ROW (moved more to the south).

b) Removal of the railroad tracks in the vicinity of Locations 1 and 2 in the EMF study so as to provide room in the ROW to move the proposed route of the Facility more to the center of the ROW (moved more to the south).

c) Moving the proposed route of the facility in the vicinity of Location 4 in the EMF study more to the center of the ROW (moved more to the north).

d) Re-phasing of the circuits in the ROW in the vicinity of Locations 1 and 2 in the EMF study to further minimize magnetic field levels.

e) Re-phasing of the circuits in the ROW in the vicinity of Location 4 in the EMF study to further minimize magnetic field levels.

f) Re-phasing of the circuits in the ROW in the vicinity of Location 5 in the EMF study to further minimize magnetic field levels.

g) Moving the proposed route of the Facility further away from the building at the southeast corner of the intersection of Newbridge Road and Carnation Road.

h) Moving the proposed route of the Facility in the vicinity of Location 11 in the EMF study more to the south.

i) LIPA will provide calculations of the magnetic field levels projected for the areas surrounding the respective property lines of EGC Substation, the Newbridge Substation, and the Ruland Substation, and the edges of the ROWs for transmission lines (overhead and underground) entering the respective substations (see Appendix D). Thereafter, LIPA agrees to consult with DPS Staff about the need for, if any, together with the feasibility and cost-effectiveness of mitigation measures appropriate as low-cost measures of "prudent avoidance" of magnetic fields which would result in a meaningful reduction of such levels. Any disputes shall be brought to the Commission for final resolution.

2.12 Cultural Resources

A Phase IB cultural resources investigation was performed for a 4.2-mile portion of the Eastern Connector within the proposed ROW. This is the only portion of the transmission route that was identified as having the potential to contain intact cultural resources. The New York State Office of Parks, Recreation, and Historic

Preservation (OPRHP) has concurred that no further investigation or mitigation is required for the remainder of the route.

The Phase IB investigation was completed in October 2005 for a 200-meter long section and the results were provided to OPRHP who concurred with the findings that no further work was required in this section (see Attachment E for OPRHP letter dated October 28, 2005). The Phase 1B investigation for the remainder of the 4.2-mile ROW segment was completed in November 2005; no cultural resource eligible for listing on the National Register of Historic Places were discovered. The final report has been submitted for review to the ORPHP (see Attachment E) and concurrence is anticipated. No work will be initiated in this area until OPRHP has approved the final report.

Work will stop immediately in the event that any suspected archaeological or cultural resource is encountered during construction. All suspected resources will be examined by a certified professional archaeologist. If the resources are believed to meet or have the potential for meeting eligibility criteria for the State or National Registers of Historical Places or are believed to be archaeologically significant, OPRHP, the State Archeologist and Commission Staff will be notified and advised of proposed mitigation measures. It is proposed that the OPRHP and Commission Staff would review and comment on the proposed mitigation measures. After concurrence, LIPA will ensure that appropriate mitigation measures are implemented.

3 Construction Methods

The trench centerline, manhole locations, and details relating to the project construction are shown on the Plan and Profile drawings of Attachment A and B. Specific procedures and methods pertaining to trench excavation and protection of work areas are detailed below.

3.1 Trench Excavation

The primary construction method for cable installation will be conventional trenching. Nominal trench depth from grade will be 42 inches in accordance with the National Electrical Safety Code (ANSI-C2), unless field conditions require otherwise. The limits of excavation will be identified prior to excavation. The excavation limits will be clearly identified by the Contractor and approved by the Project Compliance Manager. Public utilities will be notified and requested to mark their underground services according to the New York State Department of Public Service regulations, to avoid disruptions or damage. Prior to excavating, test holes will be dug at potential interference areas to assure avoidance of other underground utilities. In addition, the Applicant will comply with the applicable New York State Department of Public Service gas regulations when construction is required near existing gas lines. Prior to excavation, arrangements will be made to accommodate individual needs, such as maintaining continuous access to businesses and private properties during construction.

Pavement will be saw cut prior to excavation when edge to edge road restoration is not performed. The pavement within the saw-cutting limits will be broken into pieces, loaded onto dump trucks and removed from the site.

After pavement removal, excavation for the conduit trench and manhole areas will be performed using a backhoe or other suitable excavating equipment. Excavated roadway material (i.e., asphalt or concrete) will not be stockpiled along public streets, but rather loaded onto dump trucks and removed from the site. This material will not be used to backfill the excavation. Other excavated materials will be temporarily side cast along the ROW except that they will not be stockpiled over catch basins, manholes, vault covers, or other utilities. Large rocks encountered during excavation will be removed and disposed of off-site.

Daily trenching and conduit installation will not require long-term stockpiling of trench spoils. Material excavated from within the trench will be classified as common backfill. Common backfill will be free of vegetation and other deleterious material and shall contain no frozen ground. Approximately two thirds of the trench spoils will be directly loaded into trucks and disposed of off-site at a location permitted under license, permit or registration by NYSDEC to accept construction and demolition material. The remaining material will be temporarily side cast and used as common backfill on a daily basis.

Additional details on trenching, spoils handling, and backfilling are included in Attachment F.

3.2 Trench Shoring

Trench shoring will be used when necessary to prevent caving of surrounding earth and pavement and to support the walls of the excavations until the conduits and/or manholes are set in place. Installation of temporary sheet piling and shoring will be in accordance with Occupational Safety and Health Administration (OSHA) requirements. The decision to shore in these areas and the adequacy of trench shoring will be determined by the Construction Manager. Adequacy of shoring, where necessary, along areas of the Seaford Oyster Bay Expressway will be determined by the Construction Manager.

Trench shoring will be removed prior to backfilling operations.

3.3 Jacking/Horizontal Directional Drilling (HDD)

Jacking or HDD techniques will be used where required to minimize impacts on residential communities, retail business districts, parks, and roadways. It is planned that jacking methods will be used for short runs where HDD methods are not suitable. Presently, the following locations are identified for jacks/directional drills along the proposed cable route:

Western Connector

- EGC Substation south across LIRR tracks to Commercial Avenue
  - Oak Street.
  - Commercial Avenue.

- Quentin-Roosevelt Boulevard.
  - LIRR ROW.

- Meadowbrook State Parkway.
  - Meadowbrook State Parkway Entrance Ramp.

- Merrick Avenue.

- Carmen Avenue.
- Wantagh State Parkway.

Eastern Connector

- Newbridge Road.
- Jerusalem Avenue.
- Hicksville-Massapequa Road.
- . Stewart Avenue (Sump).
- Seaford Oyster Bay Expressway (NYS 135 west-east).
- Seaford Oyster Bay Expressway (NYS 135 south –north) to Bethpage State Park.
- Bethpage State Park, south of South Barry Lane and east to Round Swamp Road.
- Bethpage State Park, Winding Road east to SUNY-Farmingdale property (by Claremont Polychemical Site).
- Broad Hollow Road, State Route 110.

The jacks/directional drills and its extents are identified on the detailed design drawings in Attachment A and B. Directional drills may be lengthened and supplemental HDD locations may be chosen during construction to further mitigate area disturbances.

The directional drills will use state of the art drilling equipment whereby the cable conduit will be typically located 15 feet below grade. Entry and exit angles are typically 10 to 15 degrees starting at a depth of approximately 4 feet.

Each HDD crossing will typically require three individual work sites; a rig site near the entry point, a site at the exit pit and a fabrication site. The pipe (i.e., conduit) fabrications site will accommodate the individual sections of conduit and the subsequent fusion and testing sites.

The rig site will be cleared, if necessary, prior to mobilization of the HDD equipment. Some grading to level or clearing of the HDD set-up areas may be required. Care will be taken to minimize the disturbance needed for clearing at each rig site. Any clearing required will be conducted in accordance with NYSDOT Standard Specification §201 - Clearing and Grubbing.

HDD equipment will be delivered to the site via truck. Lane and shoulder closures required for HDD equipment delivery and set-up will follow approved NYSDOT maintenance and protection of traffic plans. The drilling rig will be positioned relative to the entry point. The mud mixing/cleaning tank will be positioned in close proximity to facilitate safe and easy access, and plumbed to the rig, mud pump, and contingency frac tanks. Other peripheral equipment, such as a tool van and smaller pumps will be located in excess space within the limits of disturbance. The mud storage area will be designated from within the remaining limits of disturbance, in close proximity to the mixing unit.

A self contained, tracked drilling rig similar to American Directional Drill Model DD-140B HDD is planned for use during the drilling program along the cable installation route. This rig has a push/pull capacity of 140,000 pounds, a rotary capacity of 25,000 foot-lbs, and is approximately 50 feet long and 9 feet wide. Other size and capacity drilling rigs may be used depending on contractor preference and equipment availability.

Typically, a MCS-500 mud mixing and cleaning plant or similar unit will be used to makeup and process the required bentonite-water drilling fluids. This unit is capable of pumping up to 612 gallons per minute (gpm) using onboard triplex positive displacement mud pumps. The MCS-500 uses centrifugal cleaning elements with eight 5-inch desilter cones, one 10-inch desander cone and primary and secondary screen shakers to separate solids from the mud. The unit is capable of holding 5,000 gallons of fluid.

Two or three portable 500 barrel frac tanks will be used to store fresh drilling water when necessary and to contain excess drilling fluids. These containers will be clearly marked to differentiate between the two types of fluids, as necessary.

A list of additional equipment and their use at the HDD site is as follows:

- Two excavators and one smaller backhoe to lift drill pipe, and manipulate product pipe;
- Several portable centrifugal pumps;
- Forklift to transfer dry fluid sacks to the mixing unit;
- HDPE conduits fabricated on site with a fusion machine; and a
- Mobile tool van.

Heavy equipment will be brought to the site on large trucks. The haul trucks will also be used to periodically transfer drill pipe between sites and bring product pipe to the conduit fusion location.

Equipment arrangement will be developed based upon available drilling space. In areas with limited space, shorter working lengths are possible; however, one or two prefabricated product pipe sections would need to be fused during the pull-back operation. The HDD operation requires a minimum clearance of five feet from the road or restricted area. The necessary field adjustments will be made on site. All normal operations will be confined to the limits of disturbance with the exception of periodic truck movements. See Attachment G for typical HDD entry and exit layouts.

Typically, a pilot hole will be drilled, beginning at the designed angles, and will continue under each crossing along a design profile made up of straight tangents and arcs. The drill path will be monitored by an electronic steering tool. Also the TruTacker or similar device (system accuracy rated to ± 2% of the vertical depth up to 200 feet) will also be used as necessary to provide independent verification of the drill location. Once the pilot hole is complete, the hole is enlarged to a suitable diameter for insertion of the product pipe.

Typically, the reaming plan is to "forward" ream as much as possible in order to concentrate the bulk of the returning drill fluids at the rig entry location. Forward reaming consists of attaching the reamer to the drill string at the rig and pushing it into the pilot hole. Since pushing on the drill string can impart potentially excessive and eccentric columnar loading, a trackhoe will be used to provide axial tension by simultaneously pulling on the string from the opposite side of the crossing. Joints of the drill pipe will be continuously added behind the reamer to ensure that the entire borehole is always completely occupied from end to end. Prior to pullback there will be a "swab" pass to make sure the drill path is clear of obstructions. Once the drilled hole is widened to the specified size, cleaned and filled with new mud the conduit will be pulled through.

HDD operations may occur during off-hours (9:00 p.m. – 7:00 a.m.) when work efforts require continuous operation once started. Care will be taken to minimize off-hour operations by scheduling HDD start-up activities accordingly. Construction noise and lighting during off-hours will be minimized to the extent practical while maintaining crew safety. All appropriate agencies will be notified when construction activities may be required during off-hours during regularly scheduled project construction meetings. Signs will be placed at the site notifying residents of off-hour construction activities.

3.4 Construction Periods and Durations

It is expected that multiple work activities at various sections will be performed during this Project for efficiency reasons and the work should be continuous for the most part as stated below. The work will be phased such that, to the maximum extent practicable, continuous work activity at any location will be minimized. There are areas that require work to be done at certain periods of the year to minimize disturbance to the community such as at bike paths and golf courses.

Cable route construction and installation will be continuous and could take up to 12 months depending upon allowable work days and times. It is expected that the Bethpage State Park Golf Course construction would be performed in winter and early Spring time periods. However, the construction time is dependent upon contractor project schedules and any Bethpage State Park restrictions that may be in place at the time of construction. The balance of the route should not require any seasonal restrictions and will be based upon detailed project schedules. A proposed construction schedule is provided in Attachment H.

3.5 Transmission Outage Requirements

Transmission outages are not envisioned for the manhole, conduit, cable and splice installations from EGC Substation to the Ruland Substation along the proposed route. During final interconnection to LIPA's electric system, bus and circuit switching will be performed to safely isolate the work effort from existing transmission facilities.

4 Erosion Control

The potential for erosion at a construction site is determined by the existing soil, slope, rainfall intensity, and planned construction methods. Erosion and sedimentation can be controlled effectively if certain principles are followed in the use and treatment of the construction area. These principles are:

- Leaving the trench and stockpiled material exposed for the shortest time possible;
- Reducing runoff velocity and directing runoff;
- Detaining runoff and trapping sediment; and
- Releasing runoff safely to existing storm drains.

These principles will be applied to the Project construction areas. Erosion control practices, which will be followed for the duration of the project, will include a planned rapid construction period and minimum time period where the trench will be left exposed. Grading will occur on those areas planned for immediate construction to minimize potential runoff. A minimal construction area will be maintained. Permanent vegetation will be reestablished as soon as possible following construction in unpaved areas.

Storm water runoff from construction areas will be controlled through implementation of standard erosion and sedimentation control procedures, such as the installation of silt fences and/or hay bales around exposed work areas. Drainage and erosion control devices will be installed along the construction ROW as necessary, prior to initial cable/conduit installation and HDD operations. Erosion control devices will be located down-slope of areas that will be cleared, trenched, graded, filled, and/ or excavated and where runoff is likely to occur from surface or subsurface drainage. Erosion control devices will be regularly inspected and maintained according to NYSDOT Standard Specifications; maintenance and inspection will continue until after permanent stabilization measures are in place or the disturbed areas are restored.

Soil erosion and sediment control devices will include linear silt fences, straw bale/hay bale dikes and drainage structure pipe/inlet protection measures as appropriate. If deemed necessary, silt fences will be installed immediately prior to initial disturbance of the soil. Silt fences and/or hay bale dikes will be used to reduce runoff velocity and effect deposition of transported sediment load. Silt fences will consist of a heavy duty filter cloth, such as geotextile fabric U.S. Sieve size no. 20, and will be installed perpendicular to the expected overland flow direction. The base of the fabric will be imbedded 6 inches below the surface. When two sections are joined, the filter fabric will be overlapped 4 to 6 inches.

Silt fences will be located at the base of slopes adjacent to road crossings where vegetation has been disturbed, and where directed by the Project Compliance Manager. Silt fences shall not be placed in areas of concentrated flow such as ditches, swales and channels and the formation of concentrated flow from the drainage slope above a silt fence is not permitted. If this occurs, direct slope stabilization measures will be implemented.

Trench breakers constructed of sand- or earth-filled bags will be used to control erosion and prevent trench washout on the SUNY-Farmingdale property at the concrete drainage swale located at Sta. 225+00. Topsoil will not be used to construct trench breakers. Trench breakers will be constructed such that the bottom of one breaker is at the same elevation as the top of the next breaker down slope, or every 50 feet, whichever is greater. A layer of sand or gravel covered with filter cloth will be installed over the trench breaker. The trench breaker will be backfilled with excavated native soil and the location marked.

All disturbed and restored areas shall be inspected on a regular basis. Accumulated sediment will be removed to keep the silt fence functional. All undercutting or erosion of the toe anchor will be repaired immediately with compacted backfill material. Silt fence material shall be disposed of properly.

Daily trenching and conduit installation activities will generally not require overnight stockpiling of excavated trench spoils. To prevent wind erosion and dust problems in areas where soil must be stockpiled for a longer period (e.g., upland trench and HDD transition areas), the stockpile will be sprayed with water or covered and contained using a continuous line anchored/staked silt fence and/or hay bales to prevent erosion and off-site discharge. Soils will be stockpiled a minimum of 50 feet from roadways, as practical. Excavated material will not be stockpiled along public streets.

The following control methods will be followed in order to control sediment erosion:

- All temporary spoil storage areas will be located in the construction work zone;

- Sediment erosion controls will be used to prevent stockpiled material from migrating out of the disturbed area;

- The location of the temporary spoil storage area will be marked with survey stakes and sediment barriers will be installed and maintained around spoil storage areas; and

- Permanent vegetation will be reestablished as soon as possible following construction in unpaved areas.

Although not anticipated, if dewatering of the trench is necessary, the water will be filtered through a sediment filter bag prior to discharge in order to trap sediment and to help diffuse the flow of water. Diffusion of the flow will help reduce the potential of soil scouring. Any sediment trapped within the filter bag will be removed at the conclusion of the dewatering operation and returned to the trench during backfill operations.

Where necessary, areas disturbed during construction will be protected with mulch. Mulch is essential in establishing good groundcover where it is difficult to establish plants. By reducing runoff, the mulch will allow more water to infiltrate the soil and reduces the loss of soil moisture by evaporation. It also helps to hold seed in place and reduces seedling damage from soil heaving caused by freezing and thawing.

Hydro-seeding (or hydro-mulching), in which grass seed, fertilizer, and mulch are applied as a slurry will be used on grass areas. A temporary grass cover or jute netting will be used in areas where revegetation may take longer. Jute netting, a coarse, open-mesh, web-like material, may be applied directly on the soil to protect exposed soils and newly seeded areas, and to hold down straw mulch.

5 Fuel and Chemical Handling Procedures

Training and instruction will be provided to all contractor personnel to ensure that proper fuel, oil, and chemical handling measures are met. No fuels, oils, lubricants, chemicals, or other potentially harmful substances required during construction will be stored in the construction area. As previously stated, no wetlands are present along or immediately adjacent to the route of the transmission line. Additionally, these materials will not be stored near any areas that children would frequent. All chemicals and waste materials will be secured in a locked or otherwise controlled area located within the staging/laydown areas.

Should any of the above-mentioned materials be accidentally spilled during construction activities, the Contractor will take immediate action to contain and recover the spilled materials. Immediate notification will be made to the Project Compliance Manager who will be responsible for notifying the LIPA 24-Hour Spill Response Program by means of the designated Spill Pager. Depending on the severity of the spill, cleanup procedures will be undertaken immediately by hazardous materials responders or designated spill response contractors. Suitable absorbent materials will be readily available at the project area in sufficient quantities for containment and clean-up purposes.

Most fueling of construction vehicles and equipment will be accomplished along the ROW by use of a dedicated fuel-dispensing vehicle. Sufficient quantities of absorbent pads and containment materials will be on hand. Personnel responsible for fueling of vehicles will be fully trained in spill prevention and containment and will be provided with copies of KeySpan/LIPA's General Operating Procedure "Management of and Response to Non-Fuel Oil Spills from Company Operations" (GO-10329) and KeySpan/LIPA's "Spill Notification Directory." See Attachment I for copies of these documents. Designated fuel-dispensing vehicles will be returned to a designated staging site outside of the Park. These sites will be either the KeySpan/LIPA Operations Center or other appropriate site.

5.1 Storage, Handling, Transporting and Disposal

No hazardous chemicals will be used during construction and no hazardous waste will be generated.

The following waste handling and waste disposal procedures will be implemented:

- Uncontaminated construction and debris (C&D) waste materials will be consolidated into roll off dumpsters and disposed of as C&D waste at an approved facility;
- Industrial waste materials such as oily rags used for equipment maintenance will be collected in appropriate 5-gallon to 55-gallon drums and removed from the park weekly;
- Industrial waste shall be properly packaged and a written description of the contents will be placed on the outside of the container;
- Sanitary wastes will be collected in appropriate containers and removed from the Park weekly; and
- The Project Compliance Manager will be notified of any new wastes that are generated and will arrange for proper disposal.

5.2 Spill and Improper Storage Prevention

All equipment will be operated, maintained, and stored in order to reduce the likelihood of vehicle fluid and materials spills that could effect the surrounding environment.

All vehicles and construction equipment will be inspected to make sure that fluids (i.e., oil, hydraulic, lubricants, or brake fluid) are not leaking and that all fuels and fluids are stored in proper, labeled containers. Any observation of spills, leaking fluids, or improperly stored fluids may trigger the issuance of a "stop work" notice until the situation is resolved, including the removal of any soil impacted by vehicle fluids. All applicable regulations governing the storage, transport, use, and disposal of fluids and all reporting requirements for spills will be enforced.

Construction sites will be inspected daily for evidence of releases from equipment. Drilling activities will be closely monitored for significant increases or decreases in drilling fluid pressure, reduction in drilling fluid return flow, and changes to the drilling fluid viscosity. In addition, the drill path will be visually inspected to detect any fluid flows or seeps at the ground surface.

A list of all chemicals used or stored at the staging area and their appropriate Material Safety Data Sheet (MSDS) will be kept on site and provided to the local fire department and emergency management team. All employees will be trained in the use, storage, handling, spill control, and first aid measures required for these chemicals in accordance with the OSHA Construction Hazardous Communication Standard (HAZCOM) (29CFR1926.59) NYSDOT standard specifications §107-05).

The Project Compliance Manager will be responsible for contacting NYSDEC or other agencies with regard to reportable spills or releases.

6 Environmental Supervision

Environmental supervision on the Project will be the responsibility of the Project Compliance Manager. The main goals of the Project Compliance Manager will be to minimize adverse impact to the environment during construction. The Project Compliance Manager will have relevant construction background and demonstrate sufficient knowledge and experience in environmental matters.

The Project Compliance Manager will be present at the project site, as needed, to ensure compliance with the environmental conditions established by the Joint Proposal, Certificate Conditions, and EM&CP. At a minimum, the Project Compliance Manager will be present on site during mobilization and demobilization activities and during vegetation trimming and removal operations and for excavation activities that have the potential to damage trees (see Section 7.3). Contractors must provide at least 24-hour notice in advance of work requiring the Project Compliance Manager on site.

The Project Compliance Manager will be responsible for providing weekly status reports summarizing construction activities that have occurred, and indicating construction activities and locations scheduled for the next two weeks. At least five days prior to commencing construction or clearing, the Project Compliance Manager will ensure that the Commission and DPS Staff have been notified. NYS State Park and SUNY-Farmingdale officials will be notified at least one week prior to entering the respective properties for construction.

The Project Compliance Manager will have stop-work authority if he/she is not satisfied with the level of environmental compliance, considers a situation to be an imminent environmental or safety hazard, and/or requires more information before allowing an activity to proceed.

The Contractor will be notified immediately of any "stop-work" issuances throughout the course of the construction. Any stop-work issuance, the nature of the stop work issuance and means of resolution, and the involved staff will be documented by the Project Compliance Manager.

It is proposed that Mr. Adam Yablonsky, a Senior Environmental Scientist with KeySpan's Environmental Licensing and Compliance Department, will serve as

the Project Compliance Manager. Mr. Yablonsky has served in this capacity on several KeySpan and LIPA projects, including several of those for which Article VII certificates were issued and also serves as the single point of contact for environmental assessment and permitting on many of these projects.

Mr. Yablonsky will be dedicated to the project for the duration of the construction activities. It is anticipated he will devote approximately 16-20 hours per week to the project. During initial construction phases and work in sensitive areas, it is expected he will devote additional time to the project as needed.

7 Tree and Vegetation Clearing Methods

The route was designed to minimize environmental impact to the surrounding areas. In those areas where clearing is necessary to install the cable procedures will be implemented to minimize damage to existing vegetation, treat or replace damaged or removed vegetation, restore disturbed vegetated areas, control erosion, and provide for appropriate clearing and disposal of vegetation which must be removed.

7.1 Delineation of Existing Vegetation

Areas where tree removal, pruning, or other protection measures may be required have been identified on the site plans and is delineated in Table 7-1. Prior to construction trees and shrubs within the work area will be clearly flagged by the Project Compliance Manager and identified for pruning, removal, or other protection measures. Trees and shrubs that will not be removed during construction will be identified on field drawings as requiring temporary fencing, timber-framed boxes, and/or other protective measures as appropriate. Photographs of all treed areas along the route including areas in which significant tree trimming and/or clearing will occur will be taken prior to construction activities. The Project Compliance Manager will be present for all pruning and removal operations.

Tree removal will be kept to the absolute minimum required for safe and efficient installation of the conduits, especially in those areas of the project adjacent to the golf course. No trees or shrubs will be removed from areas outside of the boundaries of the certified corridor.

7.2 Topsoil and Vegetation Protection

During excavation of the cable trench in vegetated areas, if there is an appreciable layer of topsoil it will be segregated from subsoils by scraping off the topsoil prior to excavation, if possible. Topsoil will be segregated from other soils, stored next to the trench in a location where it will not be subject to construction traffic. After the conduits have been installed in the trench, the trench will be backfilled, with the topsoil being placed on top of the sub-soils. To prevent wind erosion and dust problems while being temporarily stockpiled, the topsoil will be sprayed with water or covered and staked as appropriate.

Table 7-1 Description of Tree Locations along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Vegetation Description	Clearing Method
Start	End		
288+20	289	Scrub brush/ shrubs/small trees	Pruning
296+30	304+50	Scrub brush/ shrubs/small trees	Removal
325+30	328+20	Scrub brush/shrubs and trees	Removal
328+80	332+50	Scrub brush/ shrubs/small trees	Removal
437+00	441+85	Shrubs and small trees	Pruning
442+00	444+75	Shrubs and trees	Pruning
457+25	458+60	Mature trees and shrubs	Pruning and Removal
470+85	488+55	Shrubs and small trees	Pruning
535+70	555+85	Shrubs and small trees	Pruning
557+90	561+60	Shrubs and small trees	Pruning
638+00	643+00	Scrub brush/large shrubs/small trees	Removal
7+30	14+50	Scrub brush/large shrubs/small trees	Removal associated with access road
21+00	37+25	Scrub brush/shrubs/ trees	Removal limited to access road
50+20	51+50	Scrub brush/ shrubs/trees	Removal associated with access road
84+20	85+20	Scrub brush/ shrubs/trees	Removal
86+30	96+70	Mature trees and shrubs	Pruning and removal
96+70	97+40	Shrubs and small trees	Removal
110+40	111+20	Mature trees and shrubs	Removal
121+80	123+00	Mature trees and shrubs	Removal
128+80	131+00	Mature trees and shrubs	Pruning

Table 7-1 Description of Tree Locations along 345 KV Circuit, Phase 2 of the LIPA Newbridge Road Connector Project

Stationing		Vegetation Description	Clearing Method
Start	End		
147+00	150+00	Mature trees and shrubs	Pruning
154+55	163+00	Mature trees and shrubs	Removal
169+00	170+00	Scrub brush/ shrubs/trees	Removal
178+40	179+20	Mature trees and shrubs	Removal
184+60	186+15	Mature trees and shrubs	Removal
188+70	190+20	Mature trees and shrubs	Removal
203+50	205+00	Trees and shrubs	Removal
224+60	226+10	Trees and shrubs	Removal
228+00	231+10	Shrubs	Pruning
235+25	239+45	Shrubs	Pruning

Trees and shrubs that will not be removed during construction will be protected from injury. In areas where construction is immediately adjacent to trees and shrubs and there is a high potential for damage to the vegetation, temporary fencing will be erected parallel to the trenching operation so as to reduce the possibility of accidental damage. If necessary, trees within the proximity of the trench and in danger of being damaged by construction equipment will be protected with timber-framed boxes appropriately sized to protect them. The frame will be self-supporting to avoid tree damage, with the support posts for the frame placed to avoid damage to major tree roots. Other protective measures, such as tying of branches and wrapping in burlap may be employed if deemed necessary by the Project Compliance Manager.

Visual surveys to assess vegetation damage and to eliminate practices that are causing damage will be routinely conducted by the Project Compliance Manager. Signs, barricades, or other material will not be secured to trees or shrubs.

7.3 Vegetation Trimming and Necessary Removal

Tree and shrub removal will be performed by experienced and qualified personnel. These personnel will operate under the direction of the Project Compliance Manager. Roots and stumps of removed trees will be excavated and removed to a depth not less than 18 inches below existing ground level. Shrub stumps and roots will be excavated on an individual basis as determined by the Project Compliance Manager. Tree clearing will not obstruct public roadways or walkways, other existing utilities, paths, and other similar improvements.

Tree trimming and vegetation clearing will be conducted by qualified and approved personnel in accordance with recognized practices. Approval of tree trimming and removal personnel will be the responsibility of the Project Compliance Manager. All merchantable logs resulting from clearing of the ROW will be removed from the ROW, unless noted on the construction drawings and approved by DPS staff.

All non-merchantable woody vegetation will be disposed of by chipping and hauling off site for disposal. Chips will not be spread on the ROW.

Debris from vegetation clearing activities must not obstruct roadways or walkways, cart and bike paths, existing utilities, golf course fairways, and other similar improvements.

7.4 Plant Root Protection and Excavation Methods

Generally, the construction trench will be excavated to a depth of approximately 5 feet and a width of approximately 42 inches. The trench was designed to accommodate three 12-inch HDPE conduits in a trefoil configuration at a nominal depth of 42 inches below grade to the top of the conduits. All trenching, equipment lay down, and vehicle access will take place within an existing ROW or in designated construction areas. The width of the ROW varies along the route. In designated areas where the trench will be directly adjacent to mature or significant trees, special precautions will be taken so as not to disturb the roots of these trees. Excavations will be kept to the absolute minimum size necessary to safely and efficiently install the conduits. Whenever large tree roots are encountered, and excavation by mechanical means could cause significant damage to the roots, further excavation in the root vicinity will be done by hand.

Tree roots will be protected from damage. If roots need to be or accidentally become severed, roots will be cut clean and natural resins will be allowed to seal the cuts. Roots will be exposed for the minimum amount of time required for excavation, conduit installation, and backfilling of the trench.

8 Clean-up and Restoration

8.1 Clean-up of ROW and Work Area

Cleanup and disposal of vegetation will occur on a daily basis during trimming and construction clearing. Cleared vegetation will not be burned, buried or stockpiled along the ROW, and will be removed at the end of each workday wherever and whenever possible. Cleared vegetation will be disposed of by chipping and hauling. Obstructions caused by cleared materials will be removed as soon as possible during the workday.

All debris resulting from demolition, clearing, grubbing or stripping will be disposed of at an approved construction debris disposal area in compliance with all applicable regulations. Trucks leaving the work site will be safely loaded and covered. Prior to construction, LIPA will obtain the locations of proposed disposal sites from the Contractor.

Upon completion of temporary paving, all excess sand and backfill material will be hauled from the work site and roadways will be swept clean. No equipment, tools, sheathing, signs, lights, barriers, or debris will be left at a completed section of the installation.

8.2 Plan, Standards, and Schedule for Restoration of Vegetative Cover

Vegetation restoration for the construction areas will include preparation of the soil for subsequent plantings, application of topsoil (if necessary) on unpaved areas, and the seeding of grass and planting of shrubs and trees. The Project Compliance Manager will survey vegetation restorations and record vegetation areas and plantings that are not satisfactory. Vegetation plantings will be performed by a qualified nursery or landscaping firm and supervised by the Project Compliance Manager. Restoration also includes the repair and replacement of sidewalks, curbs, and road pavement. Asphalt repaving will be completed during recommended weather and temperature ranges. Disturbed paved areas will be replaced in-kind with an equal or improved cross-section.

Temporary restoration, including hydroseeding or mulching of grassy areas and temporary paving of disturbed roadways will be performed within 10 days of

backfilling of the trench. Final restoration will be performed in conformance with established time frames and schedules.

Vegetation restoration will consist of one or more of the following: replacement of damaged and removed trees, shrubs and ground cover, soil stabilization and placement of appropriate topsoil, and reseeding of grass areas. Furnishing and replacement of vegetation and topsoil are discussed in the following sections.

Soil Stabilization, Aeration, and Fertilization

In unpaved areas, and where deemed necessary and feasible by the Project Compliance Manager, pre-existing topsoil will be re-applied over the closed trench. Topsoil from off site will be brought in only if necessary. Excess soils will be removed from the site, although excess topsoil may be used in other areas along the project route where it is needed.

Foreign materials and any contaminated soils will not be used for topsoil. Following placement of topsoil, the area will be raked and large stones, rocks and weeds will be removed. The replaced soil will be properly graded to conform to existing ground level. The topsoil will be worked and applied under dry conditions.

No chemical fertilizers will be used. If deemed necessary, naturally derived peat humate and mycorrhizae biostimulants will be added to the soil to enhance plant establishment.

Mulching

Mulch will be applied to areas that will be seeded in erosion prone locations and can also be used to protect areas brought to final grade at an unfavorable time for seeding or plant transplanting. The areas can then be planted when the time is appropriate without removing the mulch. Mulch will also be applied to the immediate vicinity of replacement plants to encourage the retention of moisture. Mulching will reduce loss of soil moisture by evaporation and will decrease the possibility of seedling damage from soil heaving caused by freezing and thawing.

Mulch will be spread uniformly in a continuous blanket of sufficient thickness. The mulch may be spread by hand or machine. Mulch may be spread before or immediately after planting. Anchorage, such as jute mesh, will be used as required.

Vegetative Plantings

Trees, shrubs, grass, and groundcover plants removed or damaged as a result of construction activity will be replaced, if deemed necessary by the Project Compliance Manager. All trees over 2 inches in diameter breast height (DBH) or shrubs over 4 feet high damaged or destroyed by activities during construction, operation, or maintenance, regardless of location, will be replaced within the year with an equivalent type tree or shrub, unless otherwise approved.

An assessment of damage to remaining trees and shrubs will be conducted one growing season following construction to record latent damage. Construction-related damage will be determined by the Project Compliance Manager, with consideration given to the condition of the tree at the time of construction as recorded during the vegetation survey.

Remedial repairs will be made to trees damaged by construction activities. Repairs will be completed by an experienced tree surgeon. The Project Compliance Manager, will identify all trees, shrubs and groundcover plants necessary for replacement and will supervise the plant replacement.

Replacement trees, shrubs, and other groundcover plants will be of species typical of the area depending on nursery availability. In natural areas, the area will be re-seeded with native grass species and tree seedlings will be planted. In improved areas, the areas will be re-seeded with native grass species and native or non-native trees and shrubs will be planted to replace landscape trees. Agreements will be established with appropriate property owners to provide the newly planted trees and/or shrubs with adequate water.

A special meadow restoration plan will be developed in cooperation with the OPRHP and the PSC for the area in Bethpage State Park between the bike path and South Barry Lane (from Station 86+50 to +/- 96+70).

Plants which fail to meet specifications as described by the American Standard for Nursery Stock will be rejected by the Project Compliance Manager. All plants will be properly protected from damage or drying during transport between the nursery and time of planting.

The Project Compliance Manager will direct the Contractor, who will furnish, plant, dig, transplant, fertilize and replace all plant material. Tree and shrub planting methods will follow standard planting specifications. All plantings will have a one-year replacement guarantee.

LIPA will coordinate with the appropriate agencies and LIRR on ROW maintenance schedules and techniques so as to prevent damage to plantings.

Groundcover Restoration

Grass areas which are damaged will be repaired by regrading and hydro-seeding equivalent to the existing grassy turf type. The entire seeded area will be watered with a fine spray until a uniform moisture depth of 1 inch has been obtained. If hydro-seeding is not feasible appropriate grass seed will be utilized. Seeding may be performed by means of broadcasting or drill seeding. Mulching and anchoring the mulch may be necessary in some areas. Upon final restoration, groundcover will be a minimum of 70%.

Planting Time Periods

For optimum growth and success, deciduous plants will be planted from approximately March to May and/or from approximately October to December. Evergreen plants will be planted from approximately April to May and/or from approximately September to October. No planting shall be conducted in frozen topsoil or when the soil is in an unsatisfactory working condition as determined by the Project Compliance Manager.

If grassy areas are approved for seeding, the seeding will be conducted during optimal time periods which are approximately between April and May for spring seeding and approximately August and September for fall seeding. Seeding will not be permitted during high winds or when the ground surface is too wet or too dry for proper working.

Plant Inspection and Maintenance

The Project Compliance Manager will inspect plants in containers prior to planting and will inspect plant locations to verify compliance with appropriate landscaping plans. The Project Compliance Manager will also conduct an inspection after completion of planting and a final inspection at the end of the maintenance period to ensure that previous deficiencies have been corrected.

Maintenance of all tree, shrub, and herbaceous vegetation will consist of a thorough inspection of all species following planting (end of second growing season). All dead trees and shrubs will be replaced with individuals of the same species during the planting period specified. Grass areas will be surveyed to determine degree of success. Unsuccessful, thin and bare patches will be replanted with seed of the same species mix and quality.

8.3 Pavement Restoration

Pavement restoration activities will be completed in the following two stages:

Stage One. Stage one includes placement and compaction of backfill materials in one-foot lifts to minimize potential settlement.

Especially in paved areas receiving automobile traffic, temporary restoration of the pavement will be made as soon as possible after backfilling operations are complete (within 10 days).

Upon completion of the temporary paving all excess sand and backfill material will be hauled from the site and the site swept clean; and

Stage Two. Stage two will consist of permanent repaving after the excavation has been allowed to settle. This duration, which is site specific, can range from one to 12 months. Guidance will be provided to the Contractor.

Permanent repaving must restore the surface to final grade and in a condition at least as good as found prior to construction. Approval of NYSDOT, Nassau or Suffolk County and/or Town administrators will be required before final acceptance of the restoration work.

Pre- and post construction photos of road and bike path surfaces will be used to document the paving restoration.

9 Herbicides

No pesticides or herbicides will be used along the entire route of the circuit installation.

10 Access Roads and Traffic Control

10.1 Access Roads

There will be a new access road constructed west of Broad Hollow Road, NYS 110, on the existing overhead ROW. Currently there is a wooden stockade fence in a grass field that is impeding access to the eastern portion of the proposed route. At present, the only way to access the proposed cable route on SUNY-Farmingdale property is through the campus driveway and through a wooded roadway to the northwest of the campus area. That wooded access road does not provide vehicular access to the eastern portion of proposed cable route. Access to the new cable route can then be achieved from the east and the west. The location of the access road is shown on LIPA Drawing HVI45-FU-01032. Access to Easement No. B-3901 shown on the Drawing above has written provisions that permit reasonable access to and from the easement area through property owner's parking lot and driveway from Broadhollow Road (NYS - 110) in proximity to station no. 245+00. That driveway and parking lot access way will be used during the construction effort.

Access to the eastern termination structure and 345kV cable route entering the Newbridge Road Substation shall be via existing entrances at the Newbridge Road Substation along Newbridge Road (NYS – 106). Access to the western termination structure and 345kV cable route entering the Newbridge Road Substation shall be via existing entrances and gates at the Newbridge Road Substation, and from Wantagh Parkway as approved by the NYSDOT. In order to open trench the 345kV cable route from the west into the Newbridge Road Substation a portion of the northwestern fence at Newbridge Road Substation will be removed for construction. The fence section(s) will be replaced upon completion of conduit construction in the area.

The cable along the Seaford Oyster Bay Expressway (Rte 135) portion of the route will be laid in the mowed area between expressway shoulder and the access control line. Construction vehicles will enter the work site through existing roads and access areas that will be constructed along the eastern side of the Rte 135. Access gates with double lock arrangement for NYSDOT and LIPA access will be installed in the designated access fence along the eastern boundary of Rte 135 at the three sites defined in the detailed design drawings in Attachment B. There will be

no direct impacts to traffic along the South Oyster Bay Expressway. There will be an HDD under the Expressway, work areas will be along a right-of-way on the east side, and all construction vehicle access will be from side access roads. The access roads to the Rte 135 route are shown on the detailed design drawings of Attachment B (LIPA Drawings HVI45-FU-01014 and HVI45-FU-01016). Typical cross section of the access roads is shown on LIPA drawing HVI45-FU-02001. The roads will be constructed to accommodate manholes and cable reels along this route. When the cable system is completed, the access roads to Rte135 will be cleaned up, gates will be double locked and left in NYSDOT acceptable condition for bi-annual cable inspection by LIPA. To facilitate the installation of the access roads, it will be necessary to clear vegetation, including shrubs and small and mature trees. Clearing will be limited to the approximate width and length of the access roads, as well as the areas immediately adjacent to Manholes 27, 28, 29 and 30. Upon removal of the access roads, all disturbed areas will be landscaped as per specific plans to be developed in consultation with NYSDOT. Trees will be replaced and disturbed grass areas will be reseeded in conformance with applicable NYSDOT specifications.

Should the need arise to construct, improve, or use any access road not described in the EM&CP, LIPA shall consult with the DPS staff and, where applicable, NYSDOT, and will obtain any Commission approval that may be required.

10.2 Traffic Control Plan

The Project route crosses approximately 35 paved areas in two counties, Nassau and Suffolk. Paved areas include roadways and parking lots. The ROW for the routing will be accessed during construction at these crossings, and the specific location of construction access points from local roads will consider the maintenance of safe traffic operations. Construction activities may close travel lanes temporarily, but installation will ensure that there is always one travel lane open for traffic to flow.

Among the approximately 35 paved areas that will be crossed, the following locations are expected to be jacked or directionally drilled:

Western Connector

- EGC Substation south across LIRR tracks to Commercial Avenue
  - Oak Street
  - Commercial Avenue

- Quentin-Roosevelt Boulevard
  - LIRR ROW

- Meadowbrook State Parkway
  - Meadowbrook State Parkway Entrance Ramp

- Merrick Avenue
- Carmen Avenue
- Wantagh State Parkway

Eastern Connector

- Newbridge Road
- Jerusalem Avenue
- Hicksville-Massapequa Road
- Stewart Avenue (Sump)
- Seaford Oyster Bay Expressway (NYS 135 west-east)
- Seaford Oyster Bay Expressway (NYS 135 south–north) to Bethpage State Park
- Bethpage State Park, south of South Barry Lane and east to Round Swamp Road
- Bethpage State Park, Winding Road east to SUNY-Farmingdale property
- Broad Hollow Road, State Route 110

Horizontal directional drills may be lengthened and supplemental HDD locations may be chosen during construction to further mitigate area disturbances.

The remainder of the route is expected to utilize open trench methods.

The proposed transmission circuits crosses four major highways, including Meadowbrook State Parkway, Wantagh State Parkway, Seaford Oyster Bay Expressway (NYS-135), and Broadhollow Road (NYS-110), and two bridges along the Seaford Oyster Bay Expressway at Central Avenue and Powell Avenue.

All work along the public ROW and roadways will be performed according to traffic and safety standards and other requirements from NYSDOT, Nassau and Suffolk Counties, and the Towns of Hempstead, Oyster Bay and Huntington, whichever apply. Specifically, all work along Seaford-Oyster Bay Expressway (NYS 135) and other state highway crossings shall be designed and performed according to the traffic and safety standards and other substantive requirements contained in 17 NYCRR Part 131, entitled *Accommodation of Utilities Within State Highway Right-of-Way*. Maintenance and protection of traffic for all con-

struction will comply with applicable rules and regulations included in the New York State Manual of Uniform Traffic Control Devices and the NYSDOT Standard Specifications and Standard Details. LIPA has initiated the procurement of Highway Work Permits for all work along state highways by submitting appropriate construction information to NYSDOT for review and approval. See Attachment J for permit application transmittal letters.

The following standard practices, which are most applicable to the cable installation, will be used to mitigate the impacts of construction:

- As necessary, flagmen or police officers will be employed to direct traffic through the work zone. Flagmen will be used to protect motorists and pedestrians from injury due to the construction equipment and to protect construction workers from oncoming motor vehicles. Standard construction signage according to the New York State Manual of Uniform Traffic Control Devices will be used to supplement flagmen and police officers.

- If needed, when two-way traffic is alternately placed in one lane, the traffic flow will be maintained by flagmen or police. It is currently anticipated that this procedure will not be utilized.

- In those areas where lane closure is required, and a significant traffic impact could result from such closure, construction will be scheduled for off-peak periods (e.g., between 10:00 a.m. and 3:00 p.m.) in order to reduce the congestion during the morning and evening rush hours.

- If lane closure is necessary, the affected county and town will be notified 48 hours prior to closure. This notification will be in addition to the notifications made to local emergency services such as fire departments, police departments, and hospitals.

- All construction signs will be covered or removed when the work they pertain to is not in progress.

- Temporary signs will not be placed at any location where they would be obscured by temporary or permanent objects. Visibility will be maintained throughout construction activities.

- As part of the basic maintenance and protection of traffic, the Contractor will be required to perform maintenance cleaning of the pavements within the contract limits when directed by the Field Coordinator. Maintenance cleaning means the removal of debris from any source which, in the opinion of the Field Coordinator or other designated representative, impedes the flow of traffic or storm water or poses a potential safety hazard. In the event the Contractor's construction vehicles track dirt or other debris outside the construction area, he will be directed by the Field Coordinator to perform maintenance

cleaning. Any travel lane closed for construction will be swept clean by the Contractor before the lane is re-opened to traffic. This may require the use of mechanized street sweepers.

- As work progresses along the right-of-way, construction vehicles will be parked at the work site. In order to minimize impacts to traffic and disturbance to the public, workers will park their personal cars at the staging area and carpool to the construction site.

Consulting with agencies regarding construction activities will be accomplished through the implementation of regularly scheduled progress meetings. NYSDOT will be consulted periodically about traffic conditions near the project site on Rte 135. LIPA shall regularly consult with agencies having jurisdiction about traffic conditions near the project site. Additional meetings may be scheduled when requested to address special events, road closings, or other activities.

All agencies having jurisdiction within the construction zone will be notified of the progress meetings and additional meetings as needed. All activities within the construction zone will be coordinated with agencies having jurisdiction within the construction zone.

The weekly construction progress meetings shall serve as a platform for discussions regarding the planned scope of work within the construction zone and to announce any other or special activities that are planned by other contractors that will impact the project.

K-3

Town of Oyster Bay Road Permits

(All four copies must be legible)

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS - HIGHWAY DIVISION
150 Miller Place, Syosset, New York 11791
Phone # 677-5762

COMMERCIAL APPLICATION

PERMIT FOR WORK ON TOWN RIGHT-OF-WAY

(see reverse side for explanation of terms and conditions)

Application
PERMIT NO. 18569
FILE NO. OF FILE
RECEIPT NO. 40507

www.town-of-oyster-bay.org

NEW HOUSE Yes No

Phone No. _____ (applicant)

1) LIBA / KEYSPAN ENERGY
Name of applicant address

2) 175 E OLD COUNTRY RD HICKSVILLE, NY 11801
Name and address of licensed plumber involved Homeowner to complete if contractor is **not** on file

3) _____ _____ _____
Insurance Co. or Homeowners Insurance Company Policy No. State whether policy or certificate on file with the Highway Division

_____ Bill Mori 1/19/2006
Nassau County Permit No. Signature of Applicant Date

_____
Tree and Sidewalk Reference No.

LOCATIONS OF WORK TO BE PERFORMED

Address GAT BARRY LANE OLD BETHPAGE

ENCLOSE COPY OF TAX BILL - Section: _____ Block: _____ Lot: _____

CHECK BELOW ONLY APPROPRIATE ITEMS BEING REQUESTED
(All measurements are in linear feet)
PERMITS OTHER THAN WATER OR SEWER REQUIRE DRAINAGE BUREAU'S APPROVAL

4a) ☑ ROAD OPENING PERMIT (up to 4 Ft. wide)
Length: _____ Type: _____ Sewer: _____ Water Service: _____ Other: _____
Any road opening over 4 Ft. wide must be approved by the Commissioner of Public Works. Approval: _____

Fee: $100.00 | Paid _____

4b) ☐ CURB CUT PERMIT
Residential: size: _____ (maximum 18 Ft.) Commercial Size _____ (maximum 30 ft.)
Lighting Bureau called ☐ PVC Required ☐ PVC not required

Fee: $100.00 | Paid _____

4c) ☐ CURB ONLY CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4d) ☐ SIDEWALK CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4e) ☐ CURB DRAIN CONNECTION (includes scupper)

Fee: $100.00 | Paid _____

HIGHWAY AREA 25 MAP NO. 4 CONTRACT AREA Yes _____ No ✓

TOTAL FEES RECEIVED: 100-

THIS PERMIT IS NOT VALID UNLESS RECEIPT NUMBERED ABOVE. ALL CONDITIONS ON REVERSE SIDE ARE OBSERVED AND IS EXECUTED BY COMMISSIONER OF PUBLIC WORKS.

INSPECTED BY _____
APPROVED ☐ DISAPPROVED ☐

_____
REVIEWED BY

DEPARTMENT OF PUBLIC WORKS
TOWN OF OYSTER BAY NY
BY Rocky Barbone DATE 1-24-06

Comments: _____

NOTE: PERMIT EXPIRES 60 DAYS FROM DATE OF ISSUE
No work to be started until 36 hours after permit has been issued
PERMIT MUST BE AVAILABLE FOR INSPECTION

Copy Distribution:: White - Original
Pink - Highway Division
Yellow - Inspector
Green - Town Clerk

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS - HIGHWAY DIVISION
150 Miller Place, Syosset, New York 11791
Phone # 677-5762

COMMERCIAL APPLICATION

PERMIT FOR WORK ON TOWN RIGHT-OF-WAY

(see reverse side for explanation of terms and conditions)

PERMIT NO. 18568
FILE NO. ON FILE
RECEIPT NO. 40506

www.town-of-oyster-bay.org

NEW HOUSE Yes ~~No~~

Phone No. 516-545-2460 (applicant)

1) LIPA/KEYSPAN ENERGY
Name of applicant — address

2) 175 E. OLD COUNTRY RD., HICKSVILLE, NY 11801
Name and address of licensed plumber involved — Homeowner to complete if contractor is not on file

3) _____ Insurance Co. or Homeowners Insurance Company; _____ Policy No.; _____ State whether policy or certificate on file with the Highway Division

_____ Nassau County Permit No.

Bill Meier Signature of Applicant 1/19/2006 Date

_____ Tree and Sidewalk Reference No.

LOCATIONS OF WORK TO BE PERFORMED

Address SEE ATTACHED BROADWAY BETHPAGE

ENCLOSE COPY OF TAX BILL - Section: _____ Block: _____ Lot: _____

CHECK BELOW ONLY APPROPRIATE ITEMS BEING REQUESTED
(All measurements are in linear feet)
PERMITS OTHER THAN WATER OR SEWER REQUIRE DRAINAGE BUREAU'S APPROVAL

4a) ☑ ROAD OPENING PERMIT (up to 4 Ft. wide)
Length: _____ Type: _____ Sewer: _____ Water Service: _____ Other: _____
Any road opening over 4 Ft. wide must be approved by the Commissioner of Public Works. Approval: _____

	Fee: $100.00	Paid _____
4b) ☐ CURB CUT PERMIT Residential: size: _____ (maximum 18 Ft.) Commercial Size _____ (maximum 30 ft.) Lighting Bureau called ☐ PVC Required ☐ PVC not required	Fee: $100.00	Paid _____
4c) ☐ CURB ONLY CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)	Fee: $100.00	Paid _____
4d) ☐ SIDEWALK CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)	Fee: $100.00	Paid _____
4e) ☐ CURB DRAIN CONNECTION (includes scupper)	Fee: $100.00	Paid _____
HIGHWAY AREA 23 MAP NO. 1 CONTRACT AREA Yes _____ No ✓	TOTAL FEES RECEIVED:	100

THIS PERMIT IS NOT VALID UNLESS RECEIPT NUMBERED ABOVE. ALL CONDITIONS ON REVERSE SIDE ARE OBSERVED AND IS EXECUTED BY COMMISSIONER OF PUBLIC WORKS.

INSPECTED BY _____
APPROVED ☐ DISAPPROVED ☐

_____ REVIEWED BY

DEPARTMENT OF PUBLIC WORKS
TOWN OF OYSTER BAY NY
BY Rocky Barbone DATE 1-24-06

Comments: _____

NOTE: PERMIT EXPIRES 60 DAYS FROM DATE OF ISSUE
No work to be started until 36 hours after permit has been issued
PERMIT MUST BE AVAILABLE FOR INSPECTION

Copy Distribution:: White - Original
Pink - Highway Division
Yellow - Inspector
Green - Town Clerk

PRINT OR TYPE
(All four copies must be legible)

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS - HIGHWAY DIVISION
150 Miller Place, Syosset, New York 11791
Phone # 677-5762

COMMERCIAL APPLICATION

PERMIT FOR WORK ON TOWN RIGHT-OF-WAY
(see reverse side for explanation of terms and conditions)

Application
PERMIT NO. 18571
FILE NO. OF FILE
RECEIPT NO. 210509

www.town-of-oyster-bay.org

NEW HOUSE Yes No

Phone No. _____ (applicant)

1) LIPA | KEYSPAN ENERGY
Name of applicant | address

2) 175 S OLD COUNTRY RD HICKSVILLE NY 11801
Name and address of licensed plumber involved — Homeowner to complete if contractor is not on file

3) _____ Insurance Co. or Homeowners Insurance Company — _____ Policy No. — _____ State whether policy or certificate on file with the Highway Division

_____ Nassau County Permit No.

Bill Moir Signature of Applicant — 1/18/2006 Date

_____ Tree and Sidewalk Reference No.

LOCATIONS OF WORK TO BE PERFORMED

Address POWELL AVE BETHPAGE

ENCLOSE COPY OF TAX BILL - Section: _____ Block: _____ Lot: _____

CHECK BELOW ONLY APPROPRIATE ITEMS BEING REQUESTED
(All measurements are in linear feet)
PERMITS OTHER THAN WATER OR SEWER REQUIRE DRAINAGE BUREAU'S APPROVAL

4a) ☑ ROAD OPENING PERMIT (up to 4 Ft. wide)
Length: _____ Type: _____ Sewer: _____ Water Service: _____ Other: _____
Any road opening over 4 Ft. wide must be approved by the Commissioner of Public Works. Approval: _____

Fee: $100.00 | Paid _____

4b) ☐ CURB CUT PERMIT
Residential: size: _____ (maximum 18 Ft.) Commercial Size _____ (maximum 30 ft.)
Lighting Bureau called ☐ PVC Required ☐ PVC not required

Fee: $100.00 | Paid _____

4c) ☐ CURB ONLY CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4d) ☐ SIDEWALK CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4e) ☐ CURB DRAIN CONNECTION (includes scupper)

Fee: $100.00 | Paid _____

HIGHWAY AREA 23 MAP NO. 5 CONTRACT AREA Yes _____ No ✓

TOTAL FEES RECEIVED: 100

THIS PERMIT IS NOT VALID UNLESS RECEIPT NUMBERED ABOVE. ALL CONDITIONS ON REVERSE SIDE ARE OBSERVED AND IS EXECUTED BY COMMISSIONER OF PUBLIC WORKS.

INSPECTED BY _____
APPROVED ☐ DISAPPROVED ☐

_____ REVIEWED BY

DEPARTMENT OF PUBLIC WORKS
TOWN OF OYSTER BAY NY
BY Rocky Barbone DATE 1-24-06

Comments: _____

NOTE: PERMIT EXPIRES 60 DAYS FROM DATE OF ISSUE
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PERMIT MUST BE AVAILABLE FOR INSPECTION

Copy Distribution:: White - Original
Pink - Highway Division
Yellow - Inspector
Green - Town Clerk

TOWN OF OYSTER BAY

DEPARTMENT OF PUBLIC WORKS - HIGHWAY DIVISION
150 Miller Place, Syosset, New York 11791
Phone # 677-5762

COMMERCIAL APPLICATION

PERMIT FOR WORK ON TOWN RIGHT-OF-WAY

(see reverse side for explanation of terms and conditions)

PERMIT NO. 185 D
FILE NO. ON FILE
RECEIPT NO. 40508

www.town-of-oyster-bay.org

NEW HOUSE Yes No

Phone No. _____ (applicant)

1) LIPA / KEYSPAN ENERGY
Name of applicant address

2) 175 E. OLD COUNTRY RD HICKSVILLE NY 11801
Name and address of licensed plumber involved Homeowner to complete if contractor is not on file

3) _____ Insurance Co. or Homeowners Insurance Company _____ Policy No. _____ State whether policy or certificate on file with the Highway Division

_____ Nassau County Permit No.

Bill Moore Signature of Applicant 1/19/2006 Date

_____ Tree and Sidewalk Reference No.

LOCATIONS OF WORK TO BE PERFORMED

Address WINDING RD. OLD BETHPAGE

ENCLOSE COPY OF TAX BILL - Section: _____ Block: _____ Lot: _____

CHECK BELOW ONLY APPROPRIATE ITEMS BEING REQUESTED
(All measurements are in linear feet)
PERMITS OTHER THAN WATER OR SEWER REQUIRE DRAINAGE BUREAU'S APPROVAL

4a) ☑ ROAD OPENING PERMIT (up to 4 Ft. wide)
Length: _____ Type: _____ Sewer: _____ Water Service: _____ Other: _____
Any road opening over 4 Ft. wide must be approved by the Commissioner of Public Works. Approval: _____

Fee: $100.00 | Paid _____

4b) ☐ CURB CUT PERMIT
Residential: size: _____ (maximum 18 Ft.) Commercial Size _____ (maximum 30 ft.)
Lighting Bureau called ☐ PVC Required ☐ PVC not required

Fee: $100.00 | Paid _____

4c) ☐ CURB ONLY CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4d) ☐ SIDEWALK CONSTRUCTION PERMIT (per 100 Lin. Ft. or part thereof)

Fee: $100.00 | Paid _____

4e) ☐ CURB DRAIN CONNECTION (includes scupper)

Fee: $100.00 | Paid _____

HIGHWAY AREA 25 MAP NO. 1 CONTRACT AREA Yes _____ No ✓

TOTAL FEES RECEIVED: 100-

THIS PERMIT IS NOT VALID UNLESS RECEIPT NUMBERED ABOVE. ALL CONDITIONS ON REVERSE SIDE ARE OBSERVED AND IS EXECUTED BY COMMISSIONER OF PUBLIC WORKS.

INSPECTED BY _____
APPROVED ☐ DISAPPROVED ☐

_____ REVIEWED BY

DEPARTMENT OF PUBLIC WORKS
TOWN OF OYSTER BAY NY
BY Rocky Barbara DATE 1-24-06

Comments: _____

NOTE: PERMIT EXPIRES 60 DAYS FROM DATE OF ISSUE
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PERMIT MUST BE AVAILABLE FOR INSPECTION

Copy Distribution:: White - Original
Pink - Highway Division
Yellow - Inspector
Green - Town Clerk

K-4

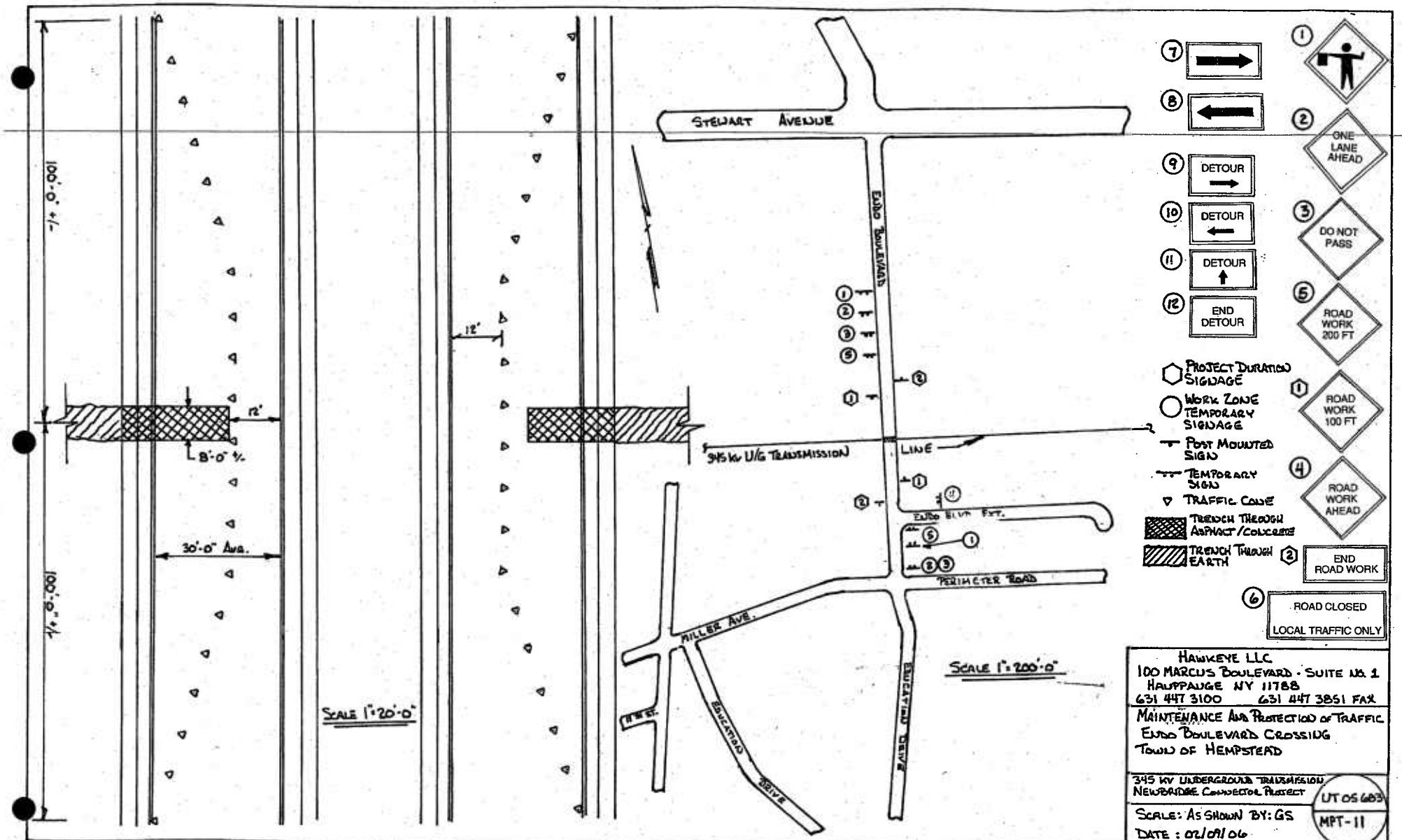
NYS DOT -- "Crossings" (Routes 106, 107, 110, Meadowbrook and Wantagh)

[to be provided]

K-5

NYS DOT -- Route 135

[to be provided]



HAWKEYE LLC
100 MARCUS BOULEVARD · SUITE NO. 1
HAUPPAUGE NY 11788
631 447 3100 631 447 3851 FAX

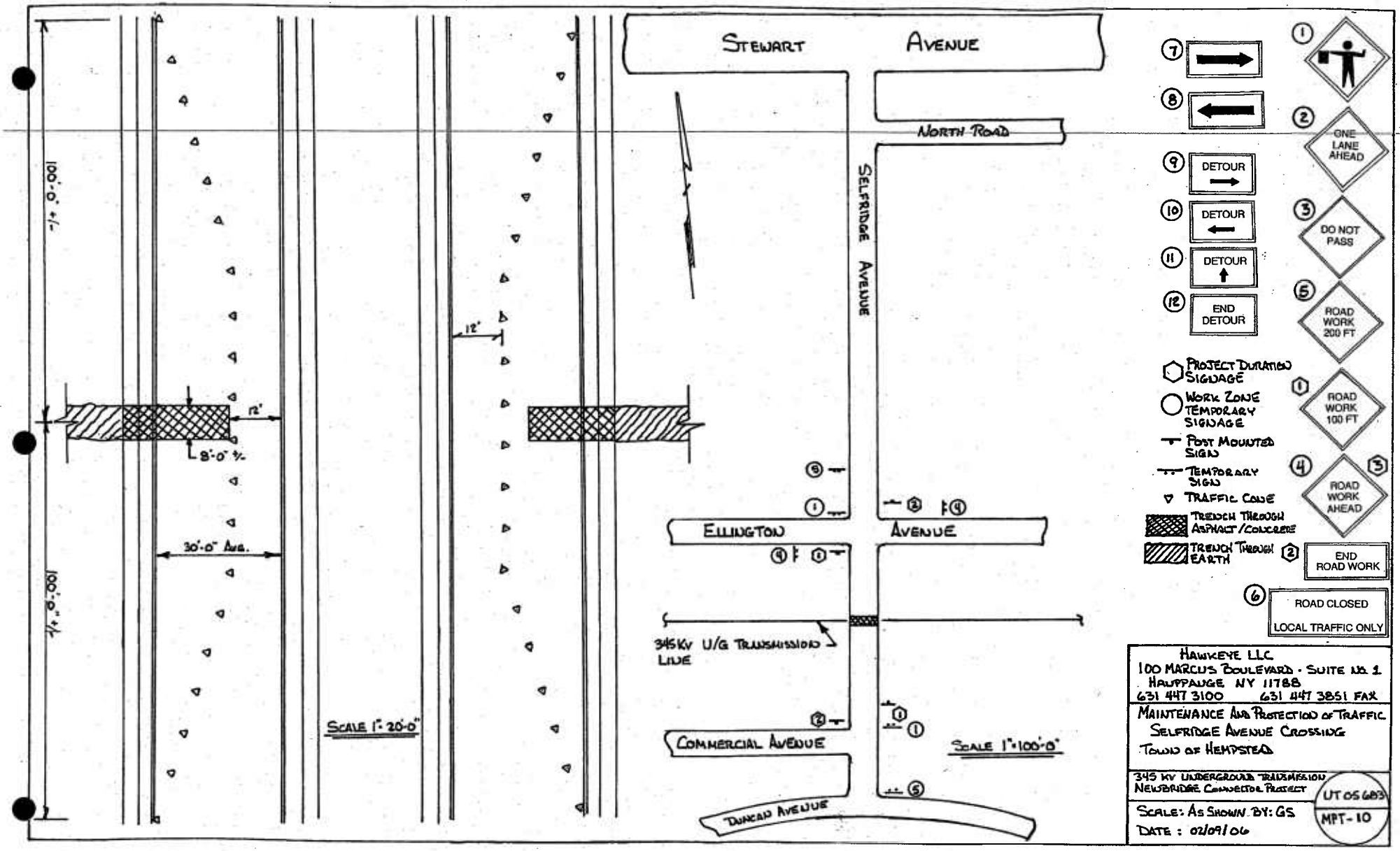
MAINTENANCE AND PROTECTION OF TRAFFIC
EXTO BOULEVARD CROSSING
TOWN OF HEMPSTEAD

345 KV UNDERGROUND TRANSMISSION
NEWBRIDGE CONNECTOR PROJECT

UT 05 683

SCALE: AS SHOWN BY: GS
DATE : 02/09/06

MPT-11



HAWKEYE LLC
100 MARCUS BOULEVARD · SUITE NO. 1
HAUPPAUGE NY 11788
631 447 3100 631 447 3851 FAX

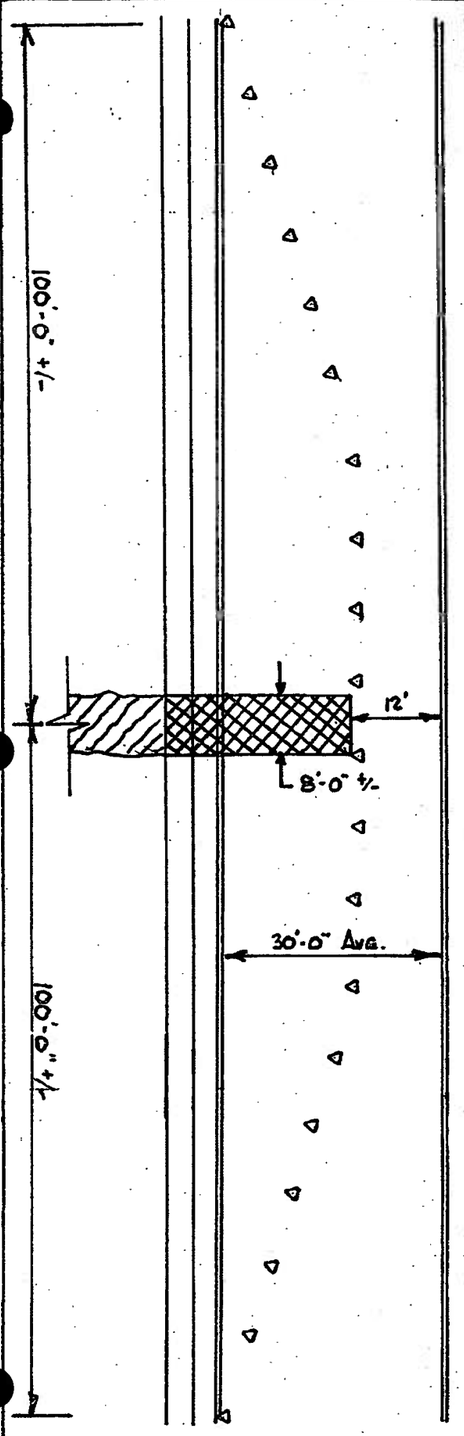
MAINTENANCE AND PROTECTION OF TRAFFIC
SELFRIDGE AVENUE CROSSING
TOWN OF HEMPSTEAD

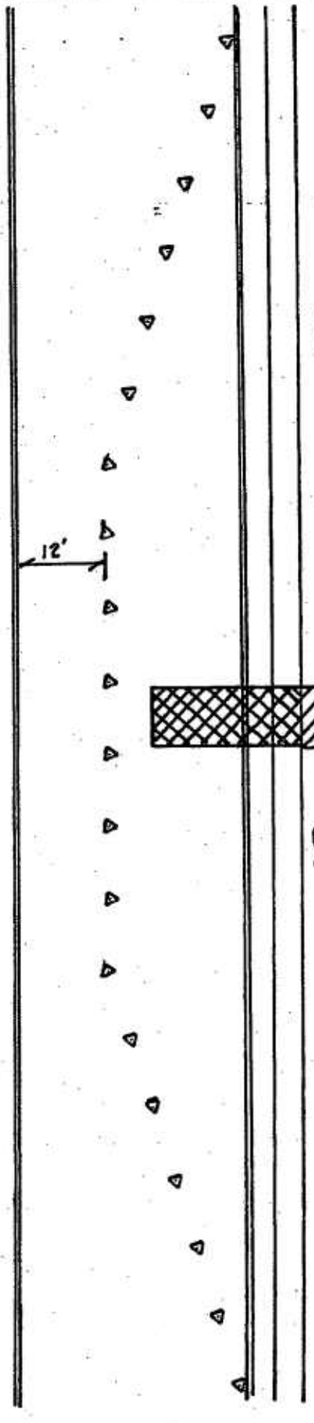
345 KV UNDERGROUND TRANSMISSION
NEWBRIDGE CONNECTOR PROJECT

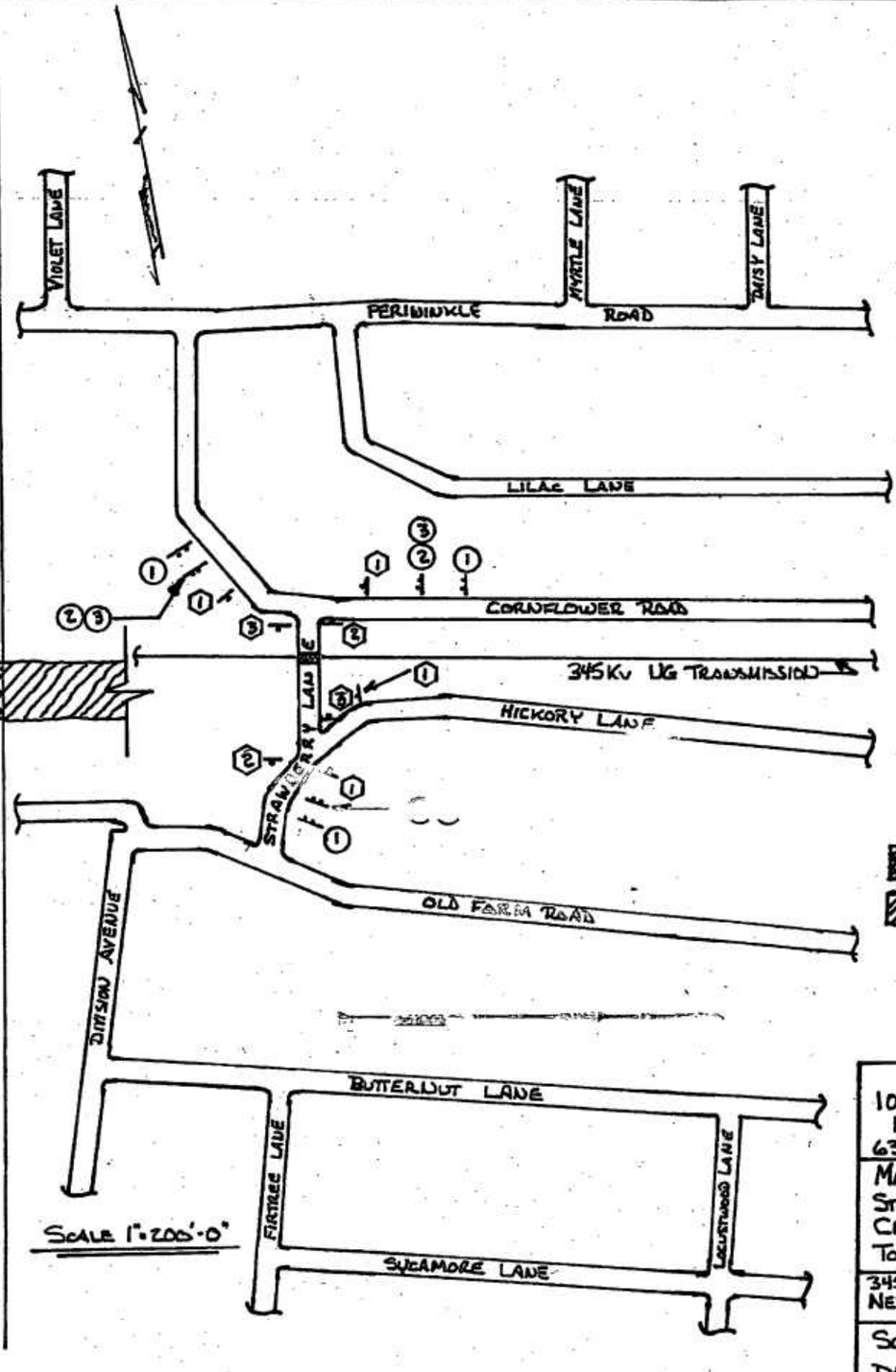
UT 05 683

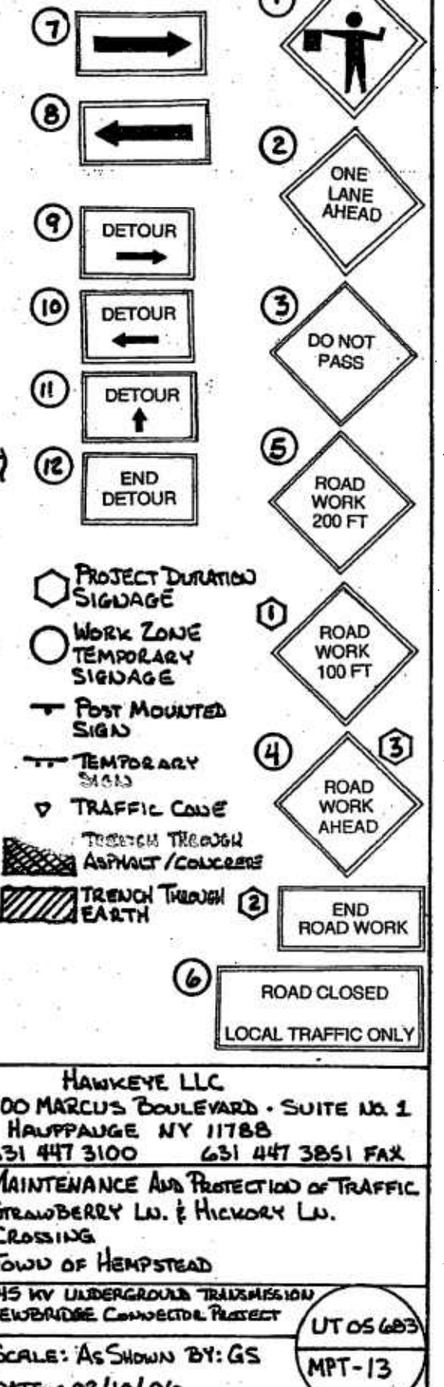
SCALE: AS SHOWN BY: GS
DATE : 02/09/06

MPT-10









HAWKEYE LLC
100 MARCUS BOULEVARD · SUITE NO. 1
HAUPPAUGE NY 11788
631 447 3100 631 447 3851 FAX

MAINTENANCE AND PROTECTION OF TRAFFIC
STRAWBERRY LN. & HICKORY LN.
CROSSING
TOWN OF HEMPSTEAD

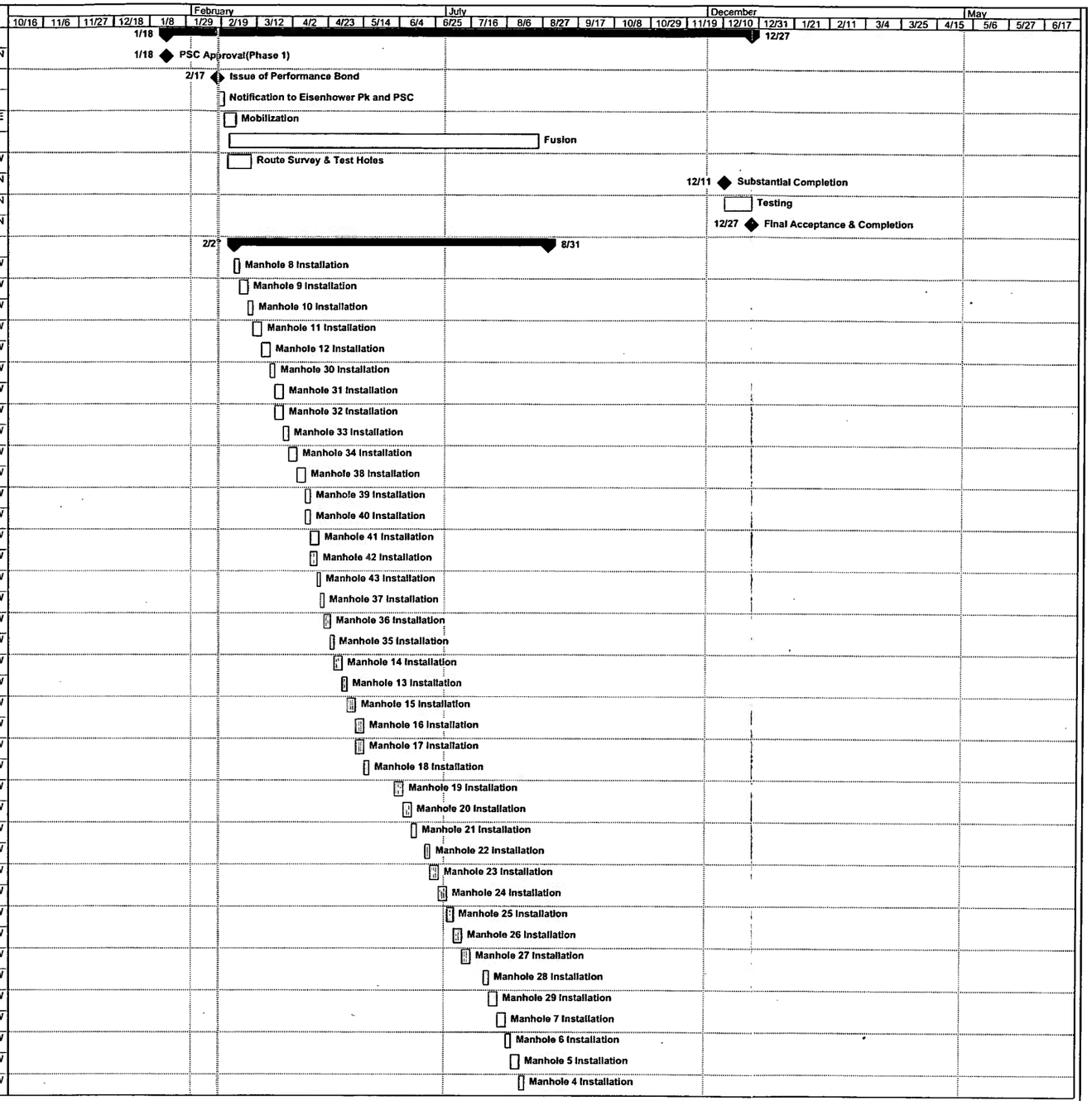
345 KV UNDERGROUND TRANSMISSION
NEWBRIDGE CONNECTOR PROJECT

UT 05 683

SCALE: AS SHOWN BY: GS
DATE: 02/10/06

MPT-13

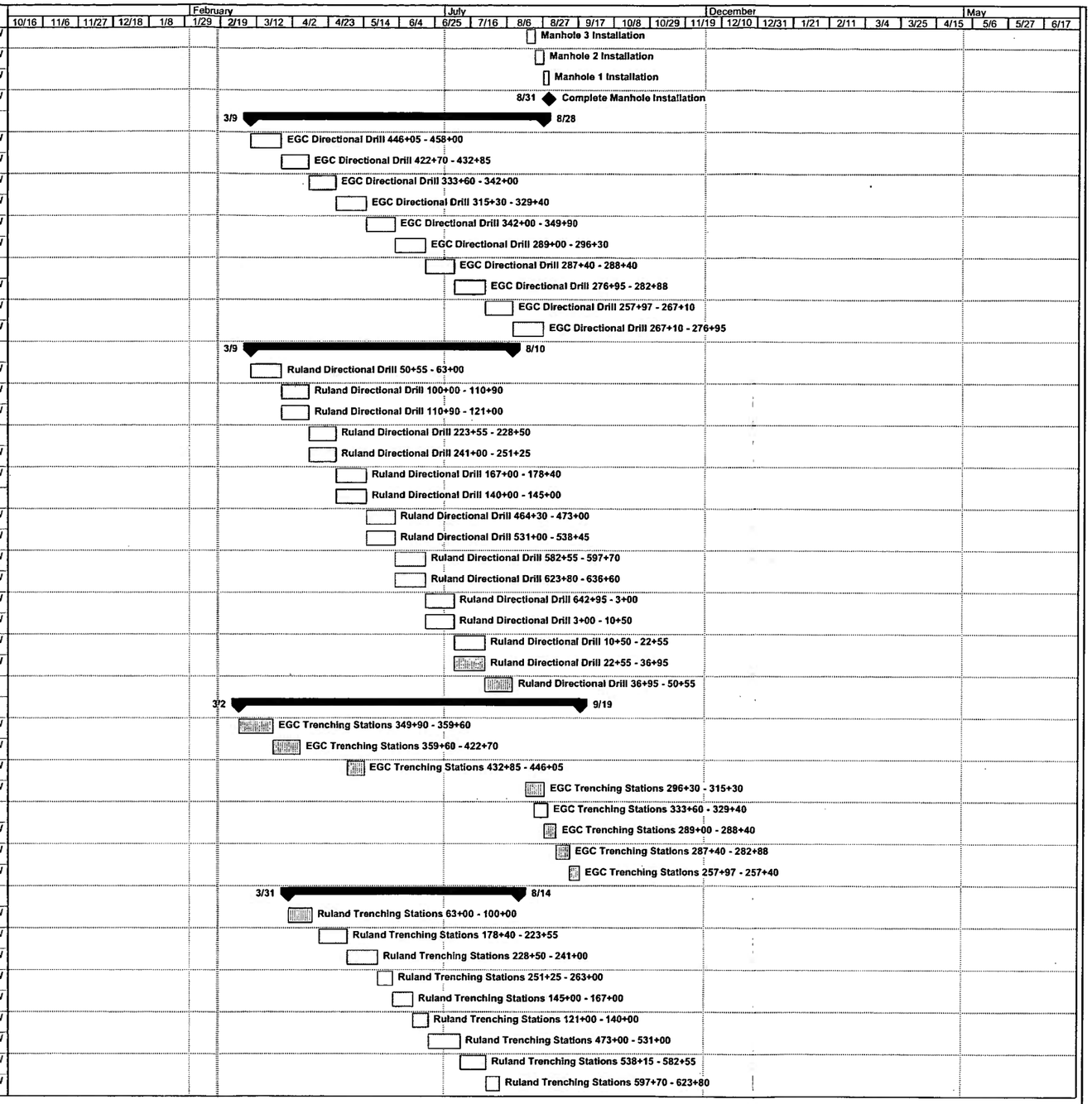
ID	Task Name	Duration	Start	Finish	Resource Names
1	**GENERAL**	**239.4 days**	**Wed 1/18/06**	**Wed 12/27/06**	
2	PSC Approval(Phase 1)	0 days	Wed 1/18/06	Wed 1/18/06	KEYSPAN
3	Issue of Performance Bond	0 days	Fri 2/17/06	Fri 2/17/06	
4	Notification to Eisenhower Pk and PSC	2 days	Fri 2/17/06	Tue 2/21/06	
5	Mobilization	5 days	Tue 2/21/06	Tue 2/28/06	HAWKEYE
6	Fusion	128 days	Fri 2/24/06	Fri 8/25/06	
7	Route Survey & Test Holes	10 days	Thu 2/23/06	Thu 3/9/06	6-MAN CREW
8	Substantial Completion	0 days	Mon 12/11/06	Mon 12/11/06	KEYSPAN
9	Testing	11 days	Mon 12/11/06	Wed 12/27/06	KEYSPAN
10	Final Acceptance & Completion	0 days	Wed 12/27/06	Wed 12/27/06	KEYSPAN
36	**INSTALL PRECAST MANHOLES**	**131 days**	**Mon 2/27/06**	**Thu 8/31/06**	
54	Manhole 8 Installation	3 days	Mon 2/27/06	Thu 3/2/06	7-MAN CREW
37	Manhole 9 Installation	3 days	Thu 3/2/06	Tue 3/7/06	7-MAN CREW
38	Manhole 10 Installation	3 days	Tue 3/7/06	Fri 3/10/06	7-MAN CREW
51	Manhole 11 Installation	3 days	Fri 3/10/06	Wed 3/15/06	7-MAN CREW
40	Manhole 12 Installation	3 days	Wed 3/15/06	Mon 3/20/06	7-MAN CREW
59	Manhole 30 Installation	3 days	Mon 3/20/06	Thu 3/23/06	7-MAN CREW
71	Manhole 31 Installation	3 days	Thu 3/23/06	Tue 3/28/06	10-MAN CREW
72	Manhole 32 Installation	3 days	Thu 3/23/06	Tue 3/28/06	10-MAN CREW
73	Manhole 33 Installation	3 days	Tue 3/28/06	Fri 3/31/06	10-MAN CREW
46	Manhole 34 Installation	3 days	Fri 3/31/06	Wed 4/5/06	7-MAN CREW
74	Manhole 38 Installation	3 days	Wed 4/5/06	Mon 4/10/06	10-MAN CREW
75	Manhole 39 Installation	3 days	Mon 4/10/06	Thu 4/13/06	10-MAN CREW
76	Manhole 40 Installation	3 days	Mon 4/10/06	Thu 4/13/06	10-MAN CREW
77	Manhole 41 Installation	3 days	Thu 4/13/06	Tue 4/18/06	10-MAN CREW
79	Manhole 42 Installation	2 days	Thu 4/13/06	Mon 4/17/06	10-MAN CREW
42	Manhole 43 Installation	2 days	Mon 4/17/06	Wed 4/19/06	7-MAN CREW
43	Manhole 37 Installation	2 days	Wed 4/19/06	Fri 4/21/06	7-MAN CREW
44	Manhole 36 Installation	2 days	Fri 4/21/06	Tue 4/25/06	7-MAN CREW
45	Manhole 35 Installation	2 days	Tue 4/25/06	Thu 4/27/06	7-MAN CREW
58	Manhole 14 Installation	3 days	Thu 4/27/06	Tue 5/2/06	7-MAN CREW
56	Manhole 13 Installation	3 days	Tue 5/2/06	Fri 5/5/06	7-MAN CREW
70	Manhole 15 Installation	3 days	Fri 5/5/06	Wed 5/10/06	10-MAN CREW
60	Manhole 16 Installation	3 days	Wed 5/10/06	Mon 5/15/06	10-MAN CREW
78	Manhole 17 Installation	3 days	Wed 5/10/06	Mon 5/15/06	10-MAN CREW
61	Manhole 18 Installation	3 days	Mon 5/15/06	Thu 5/18/06	10-MAN CREW
65	Manhole 19 Installation	3 days	Fri 6/2/06	Wed 6/7/06	10-MAN CREW
62	Manhole 20 Installation	3 days	Wed 6/7/06	Mon 6/12/06	10-MAN CREW
63	Manhole 21 Installation	3 days	Mon 6/12/06	Thu 6/15/06	10-MAN CREW
66	Manhole 22 Installation	3 days	Tue 6/20/06	Fri 6/23/06	10-MAN CREW
67	Manhole 23 Installation	3 days	Fri 6/23/06	Wed 6/28/06	10-MAN CREW
64	Manhole 24 Installation	3 days	Wed 6/28/06	Mon 7/3/06	10-MAN CREW
69	Manhole 25 Installation	3 days	Mon 7/3/06	Fri 7/7/06	10-MAN CREW
68	Manhole 26 Installation	3 days	Fri 7/7/06	Wed 7/12/06	10-MAN CREW
41	Manhole 27 Installation	3 days	Wed 7/12/06	Mon 7/17/06	7-MAN CREW
50	Manhole 28 Installation	3 days	Tue 7/25/06	Fri 7/28/06	7-MAN CREW
55	Manhole 29 Installation	3 days	Fri 7/28/06	Wed 8/2/06	7-MAN CREW
57	Manhole 7 Installation	3 days	Wed 8/2/06	Mon 8/7/06	7-MAN CREW
53	Manhole 6 Installation	3 days	Mon 8/7/06	Thu 8/10/06	7-MAN CREW
48	Manhole 5 Installation	3 days	Thu 8/10/06	Tue 8/15/06	7-MAN CREW
49	Manhole 4 Installation	3 days	Tue 8/15/06	Fri 8/18/06	7-MAN CREW



Project: Keyspan 345kV Schedule(021
Date: Fri 2/17/06

Task | Progress | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary
Critical Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Deadline

ID	Task Name	Duration	Start	Finish	Resource Names
52	Manhole 3 Installation	3 days	Fri 8/18/06	Wed 8/23/06	7-MAN CREW
47	Manhole 2 Installation	3 days	Wed 8/23/06	Mon 8/28/06	7-MAN CREW
39	Manhole 1 Installation	3 days	Mon 8/28/06	Thu 8/31/06	7-MAN CREW
80	Complete Manhole Installation	0 days	Thu 8/31/06	Thu 8/31/06	10-MAN CREW
16	**EGC DIRECTIONAL DRILLS**	**120 days**	**Thu 3/9/06**	**Mon 8/28/06**	
26	EGC Directional Drill 446+05 - 458+00	12 days	Thu 3/9/06	Mon 3/27/06	7-MAN CREW
25	EGC Directional Drill 422+70 - 432+85	12 days	Mon 3/27/06	Wed 4/12/06	7-MAN CREW
23	EGC Directional Drill 333+60 - 342+00	12 days	Wed 4/12/06	Fri 4/28/06	7-MAN CREW
22	EGC Directional Drill 315+30 - 329+40	12 days	Fri 4/28/06	Tue 5/16/06	7-MAN CREW
24	EGC Directional Drill 342+00 - 349+90	12 days	Tue 5/16/06	Fri 6/2/06	7-MAN CREW
20	EGC Directional Drill 289+00 - 296+30	12 days	Fri 6/2/06	Tue 6/20/06	7-MAN CREW
21	EGC Directional Drill 287+40 - 288+40	12 days	Tue 6/20/06	Fri 7/7/06	
19	EGC Directional Drill 276+95 - 282+88	12 days	Fri 7/7/06	Tue 7/25/06	7-MAN CREW
17	EGC Directional Drill 257+97 - 267+10	12 days	Tue 7/25/06	Thu 8/10/06	7-MAN CREW
18	EGC Directional Drill 267+10 - 276+95	12 days	Thu 8/10/06	Mon 8/28/06	7-MAN CREW
81	**RULAND DIRECTIONAL DRILLS**	**108 days**	**Thu 3/9/06**	**Thu 8/10/06**	
91	Ruland Directional Drill 50+55 - 63+00	12 days	Thu 3/9/06	Mon 3/27/06	14-MAN CREW
92	Ruland Directional Drill 100+00 - 110+90	12 days	Mon 3/27/06	Wed 4/12/06	14-MAN CREW
93	Ruland Directional Drill 110+90 - 121+00	12 days	Mon 3/27/06	Wed 4/12/06	14-MAN CREW
94	Ruland Directional Drill 223+55 - 228+50	12 days	Wed 4/12/06	Fri 4/28/06	
97	Ruland Directional Drill 241+00 - 251+25	12 days	Wed 4/12/06	Fri 4/28/06	14-MAN CREW
95	Ruland Directional Drill 167+00 - 178+40	12 days	Fri 4/28/06	Tue 5/16/06	14-MAN CREW
96	Ruland Directional Drill 140+00 - 145+00	12 days	Fri 4/28/06	Tue 5/16/06	
82	Ruland Directional Drill 464+30 - 473+00	12 days	Tue 5/16/06	Fri 6/2/06	14-MAN CREW
83	Ruland Directional Drill 531+00 - 538+45	12 days	Tue 5/16/06	Fri 6/2/06	14-MAN CREW
84	Ruland Directional Drill 582+55 - 597+70	12 days	Fri 6/2/06	Tue 6/20/06	14-MAN CREW
85	Ruland Directional Drill 623+80 - 636+60	12 days	Fri 6/2/06	Tue 6/20/06	14-MAN CREW
86	Ruland Directional Drill 642+95 - 3+00	12 days	Tue 6/20/06	Fri 7/7/06	14-MAN CREW
87	Ruland Directional Drill 3+00 - 10+50	12 days	Tue 6/20/06	Fri 7/7/06	14-MAN CREW
88	Ruland Directional Drill 10+50 - 22+55	12 days	Fri 7/7/06	Tue 7/25/06	14-MAN CREW
89	Ruland Directional Drill 22+55 - 36+95	12 days	Fri 7/7/06	Tue 7/25/06	14-MAN CREW
90	Ruland Directional Drill 36+95 - 50+55	12 days	Tue 7/25/06	Thu 8/10/06	
27	**EGC TRENCHING**	**140 days**	**Thu 3/2/06**	**Tue 9/19/06**	
32	EGC Trenching Stations 349+90 - 359+60	14 days	Thu 3/2/06	Wed 3/22/06	10-MAN CREW
33	EGC Trenching Stations 359+60 - 422+70	12 days	Wed 3/22/06	Fri 4/7/06	7-MAN CREW
34	EGC Trenching Stations 432+85 - 446+05	6 days	Fri 5/5/06	Mon 5/15/06	7-MAN CREW
30	EGC Trenching Stations 296+30 - 315+30	7 days	Fri 8/18/06	Tue 8/29/06	7-MAN CREW
35	EGC Trenching Stations 333+60 - 329+40	6 days	Wed 8/23/06	Thu 8/31/06	
29	EGC Trenching Stations 289+00 - 288+40	4 days	Tue 8/29/06	Tue 9/5/06	10-MAN CREW
31	EGC Trenching Stations 287+40 - 282+88	6 days	Tue 9/5/06	Wed 9/13/06	10-MAN CREW
28	EGC Trenching Stations 257+97 - 257+40	4 days	Wed 9/13/06	Tue 9/19/06	10-MAN CREW
98	**RULAND TRENCHING**	**94 days**	**Fri 3/31/06**	**Mon 8/14/06**	
103	Ruland Trenching Stations 63+00 - 100+00	10 days	Fri 3/31/06	Fri 4/14/06	7-MAN CREW
106	Ruland Trenching Stations 178+40 - 223+55	13 days	Tue 4/18/06	Fri 5/5/06	7-MAN CREW
108	Ruland Trenching Stations 228+50 - 241+00	12 days	Fri 5/5/06	Tue 5/23/06	7-MAN CREW
107	Ruland Trenching Stations 251+25 - 263+00	6 days	Tue 5/23/06	Thu 6/1/06	7-MAN CREW
105	Ruland Trenching Stations 145+00 - 167+00	8 days	Thu 6/1/06	Tue 6/13/06	7-MAN CREW
104	Ruland Trenching Stations 121+00 - 140+00	7 days	Tue 6/13/06	Thu 6/22/06	7-MAN CREW
99	Ruland Trenching Stations 473+00 - 531+00	12 days	Thu 6/22/06	Tue 7/11/06	7-MAN CREW
100	Ruland Trenching Stations 538+15 - 582+55	11 days	Tue 7/11/06	Wed 7/26/06	7-MAN CREW
101	Ruland Trenching Stations 597+70 - 623+80	6 days	Wed 7/26/06	Thu 8/3/06	7-MAN CREW



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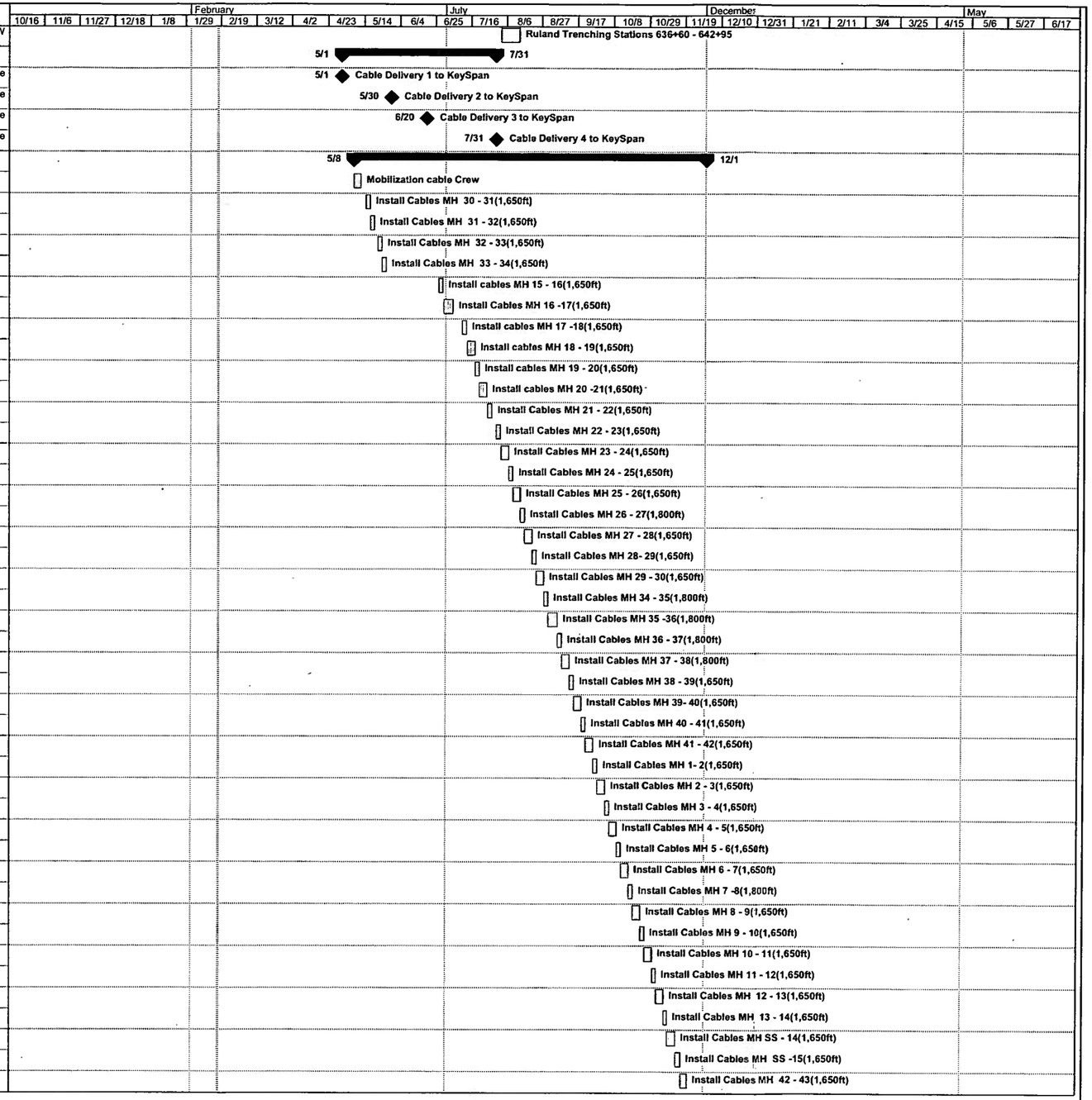
Date: Fri 2/17/06

Task | Progress | Summary | Rolled Up Critical Task | Rolled Up Progress | External Tasks | Group By Summary
Critical Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Deadline

ID	Task Name	Duration	Start	Finish	Resource Names
102	Ruland Trenching Stations 636+60 - 642+95	7 days	Thu 8/3/06	Mon 8/14/06	10-MAN CREW
11	**CABLE DELIVERY**	**63 days**	**Mon 5/1/06**	**Mon 7/31/06**	
12	Cable Delivery 1 to KeySpan	0 days	Mon 5/1/06	Mon 5/1/06	LS Cable
13	Cable Delivery 2 to KeySpan	0 days	Tue 5/30/06	Tue 5/30/06	LS Cable
14	Cable Delivery 3 to KeySpan	0 days	Tue 6/20/06	Tue 6/20/06	LS Cable
15	Cable Delivery 4 to KeySpan	0 days	Mon 7/31/06	Mon 7/31/06	LS Cable
153	**CABLE PULL**	**144.6 days**	**Mon 5/8/06**	**Fri 12/1/06**	
154	Mobilization cable Crew	4 days	Mon 5/8/06	Thu 5/11/06	
155	Install Cables MH 30 - 31(1,650ft)	2.5 days	Mon 5/15/06	Wed 5/17/06	
156	Install Cables MH 31 - 32(1,650ft)	2.5 days	Wed 5/17/06	Fri 5/19/06	
157	Install Cables MH 32 - 33(1,650ft)	2.5 days	Mon 5/22/06	Wed 5/24/06	
158	Install Cables MH 33 - 34(1,650ft)	2.5 days	Wed 5/24/06	Fri 5/26/06	
159	Install cables MH 15 - 16(1,650ft)	2.5 days	Tue 6/27/06	Thu 6/29/06	
160	Install Cables MH 16 -17(1,650ft)	2.5 days	Fri 6/30/06	Wed 7/5/06	
161	Install cables MH 17 -18(1,650ft)	2.5 days	Tue 7/11/06	Thu 7/13/06	
162	Install cables MH 18 - 19(1,650ft)	2.5 days	Fri 7/14/06	Tue 7/18/06	
163	Install cables MH 19 - 20(1,650ft)	2.5 days	Tue 7/18/06	Fri 7/21/06	
164	Install cables MH 20 -21(1,650ft)	2.5 days	Fri 7/21/06	Tue 7/25/06	
165	Install Cables MH 21 - 22(1,650ft)	2.5 days	Wed 7/26/06	Fri 7/28/06	
166	Install Cables MH 22 - 23(1,650ft)	2.5 days	Mon 7/31/06	Wed 8/2/06	
167	Install Cables MH 23 - 24(1,650ft)	2.5 days	Thu 8/3/06	Mon 8/7/06	
168	Install Cables MH 24 - 25(1,650ft)	2.5 days	Mon 8/7/06	Thu 8/10/06	
169	Install Cables MH 25 - 26(1,650ft)	2.5 days	Thu 8/10/06	Mon 8/14/06	
170	Install Cables MH 26 - 27(1,800ft)	2.5 days	Mon 8/14/06	Thu 8/17/06	
171	Install Cables MH 27 - 28(1,650ft)	2.5 days	Thu 8/17/06	Mon 8/21/06	
172	Install Cables MH 28- 29(1,650ft)	2.5 days	Mon 8/21/06	Thu 8/24/06	
173	Install Cables MH 29 - 30(1,650ft)	2.5 days	Thu 8/24/06	Mon 8/28/06	
174	Install Cables MH 34 - 35(1,800ft)	2.5 days	Mon 8/28/06	Thu 8/31/06	
175	Install Cables MH 35 -36(1,800ft)	2.5 days	Thu 8/31/06	Tue 9/5/06	
176	Install Cables MH 36 - 37(1,800ft)	2.5 days	Tue 9/5/06	Fri 9/8/06	
177	Install Cables MH 37 - 38(1,800ft)	2.5 days	Fri 9/8/06	Tue 9/12/06	
178	Install Cables MH 38 - 39(1,650ft)	2.5 days	Tue 9/12/06	Fri 9/15/06	
179	Install Cables MH 39- 40(1,650ft)	2.5 days	Fri 9/15/06	Tue 9/19/06	
180	Install Cables MH 40 - 41(1,650ft)	2.5 days	Tue 9/19/06	Fri 9/22/06	
181	Install Cables MH 41 - 42(1,650ft)	2.5 days	Fri 9/22/06	Tue 9/26/06	
182	Install Cables MH 1- 2(1,650ft)	2.5 days	Tue 9/26/06	Fri 9/29/06	
183	Install Cables MH 2 - 3(1,650ft)	2.5 days	Fri 9/29/06	Tue 10/3/06	
184	Install Cables MH 3 - 4(1,650ft)	2.5 days	Tue 10/3/06	Fri 10/6/06	
185	Install Cables MH 4 - 5(1,650ft)	2.5 days	Fri 10/6/06	Tue 10/10/06	
186	Install Cables MH 5 - 6(1,650ft)	2.5 days	Tue 10/10/06	Fri 10/13/06	
187	Install Cables MH 6 - 7(1,650ft)	2.5 days	Fri 10/13/06	Tue 10/17/06	
188	Install Cables MH 7 -8(1,800ft)	2.5 days	Tue 10/17/06	Fri 10/20/06	
189	Install Cables MH 8 - 9(1,650ft)	2.5 days	Fri 10/20/06	Tue 10/24/06	
190	Install Cables MH 9 - 10(1,650ft)	2.5 days	Tue 10/24/06	Fri 10/27/06	
191	Install Cables MH 10 - 11(1,650ft)	2.5 days	Fri 10/27/06	Tue 10/31/06	
192	Install Cables MH 11 - 12(1,650ft)	2.5 days	Tue 10/31/06	Fri 11/3/06	
193	Install Cables MH 12 - 13(1,650ft)	2.5 days	Fri 11/3/06	Tue 11/7/06	
194	Install Cables MH 13 - 14(1,650ft)	2 days	Tue 11/7/06	Thu 11/9/06	
195	Install Cables MH SS - 14(1,650ft)	3 days	Thu 11/9/06	Tue 11/14/06	
196	Install Cables MH SS -15(1,650ft)	3 days	Tue 11/14/06	Fri 11/17/06	
197	Install Cables MH 42 - 43(1,650ft)	2 days	Fri 11/17/06	Tue 11/21/06	



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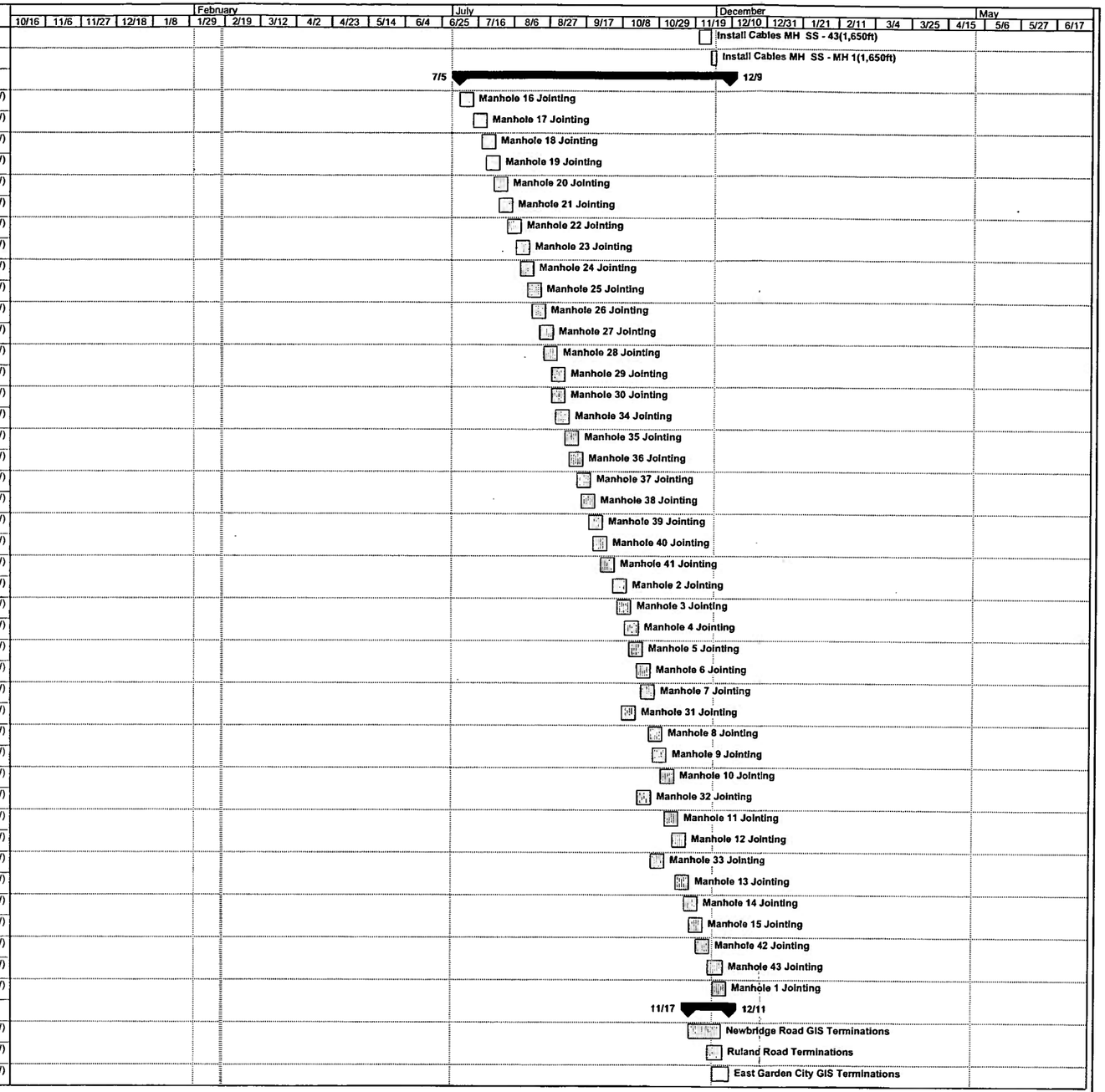
Critical Task | Milestone | Rolled Up Task | Rolled Up Milestone | Split | Project Summary | Deadline

ID	Task Name	Duration	Start	Finish	Resource Names
198	Install Cables MH SS - 43(1,650ft)	3 days	Tue 11/21/06	Tue 11/28/06	
199	Install Cables MH SS - MH 1(1,650ft)	3 days	Tue 11/28/06	Fri 12/1/06	
109	**MANHOLE JOINTING**	**109.4 days**	**Wed 7/5/06**	**Sat 12/9/06**	
125	Manhole 16 Jointing	7 days	Wed 7/5/06	Thu 7/13/06	LS (5-MAN CREW)
126	Manhole 17 Jointing	7 days	Thu 7/13/06	Fri 7/21/06	LS (5-MAN CREW)
127	Manhole 18 Jointing	7 days	Tue 7/18/06	Wed 7/26/06	LS (5-MAN CREW)
128	Manhole 19 Jointing	7 days	Fri 7/21/06	Sat 7/29/06	LS (5-MAN CREW)
129	Manhole 20 Jointing	7 days	Tue 7/25/06	Wed 8/2/06	LS (5-MAN CREW)
130	Manhole 21 Jointing	7 days	Fri 7/28/06	Sat 8/5/06	LS (5-MAN CREW)
131	Manhole 22 Jointing	7 days	Wed 8/2/06	Thu 8/10/06	LS (5-MAN CREW)
132	Manhole 23 Jointing	7 days	Mon 8/7/06	Tue 8/15/06	LS (5-MAN CREW)
133	Manhole 24 Jointing	7 days	Thu 8/10/06	Fri 8/18/06	LS (5-MAN CREW)
134	Manhole 25 Jointing	7 days	Mon 8/14/06	Tue 8/22/06	LS (5-MAN CREW)
135	Manhole 26 Jointing	7 days	Thu 8/17/06	Fri 8/25/06	LS (5-MAN CREW)
136	Manhole 27 Jointing	7 days	Mon 8/21/06	Tue 8/29/06	LS (5-MAN CREW)
137	Manhole 28 Jointing	7 days	Thu 8/24/06	Fri 9/1/06	LS (5-MAN CREW)
138	Manhole 29 Jointing	7 days	Mon 8/28/06	Tue 9/5/06	LS (5-MAN CREW)
139	Manhole 30 Jointing	7 days	Mon 8/28/06	Tue 9/5/06	LS (5-MAN CREW)
143	Manhole 34 Jointing	7 days	Thu 8/31/06	Fri 9/8/06	LS (5-MAN CREW)
144	Manhole 35 Jointing	7 days	Tue 9/5/06	Wed 9/13/06	LS (5-MAN CREW)
145	Manhole 36 Jointing	7 days	Fri 9/8/06	Sat 9/16/06	LS (5-MAN CREW)
146	Manhole 37 Jointing	7 days	Tue 9/12/06	Wed 9/20/06	LS (5-MAN CREW)
147	Manhole 38 Jointing	7 days	Fri 9/15/06	Sat 9/23/06	LS (5-MAN CREW)
148	Manhole 39 Jointing	7 days	Tue 9/19/06	Wed 9/27/06	LS (5-MAN CREW)
149	Manhole 40 Jointing	7 days	Fri 9/22/06	Sat 9/30/06	LS (5-MAN CREW)
150	Manhole 41 Jointing	7 days	Tue 9/26/06	Wed 10/4/06	LS (5-MAN CREW)
111	Manhole 2 Jointing	7 days	Tue 10/3/06	Wed 10/11/06	LS (5-MAN CREW)
112	Manhole 3 Jointing	7 days	Fri 10/6/06	Sat 10/14/06	LS (5-MAN CREW)
113	Manhole 4 Jointing	7 days	Tue 10/10/06	Wed 10/18/06	LS (5-MAN CREW)
114	Manhole 5 Jointing	7 days	Fri 10/13/06	Sat 10/21/06	LS (5-MAN CREW)
115	Manhole 6 Jointing	7 days	Tue 10/17/06	Wed 10/25/06	LS (5-MAN CREW)
116	Manhole 7 Jointing	7 days	Fri 10/20/06	Sat 10/28/06	LS (5-MAN CREW)
140	Manhole 31 Jointing	7 days	Mon 10/9/06	Tue 10/17/06	LS (5-MAN CREW)
117	Manhole 8 Jointing	7 days	Tue 10/24/06	Wed 11/1/06	LS (5-MAN CREW)
118	Manhole 9 Jointing	7 days	Fri 10/27/06	Sat 11/4/06	LS (5-MAN CREW)
119	Manhole 10 Jointing	7 days	Tue 10/31/06	Wed 11/8/06	LS (5-MAN CREW)
141	Manhole 32 Jointing	7 days	Wed 10/18/06	Thu 10/26/06	LS (5-MAN CREW)
120	Manhole 11 Jointing	7 days	Fri 11/3/06	Sat 11/11/06	LS (5-MAN CREW)
121	Manhole 12 Jointing	7 days	Tue 11/7/06	Wed 11/15/06	LS (5-MAN CREW)
142	Manhole 33 Jointing	7 days	Thu 10/26/06	Fri 11/3/06	LS (5-MAN CREW)
122	Manhole 13 Jointing	7 days	Thu 11/9/06	Fri 11/17/06	LS (5-MAN CREW)
123	Manhole 14 Jointing	7 days	Tue 11/14/06	Wed 11/22/06	LS (5-MAN CREW)
124	Manhole 15 Jointing	7 days	Fri 11/17/06	Sat 11/25/06	LS (5-MAN CREW)
151	Manhole 42 Jointing	7 days	Tue 11/21/06	Wed 11/29/06	LS (5-MAN CREW)
152	Manhole 43 Jointing	7 days	Tue 11/28/06	Thu 12/7/06	LS (5-MAN CREW)
110	Manhole 1 Jointing	7 days	Fri 12/1/06	Sat 12/9/06	LS (5-MAN CREW)
200	**TERMINATIONS**	**13.9 days**	**Fri 11/17/06**	**Mon 12/11/06**	
202	Newbridge Road GIS Terminations	16 days	Fri 11/17/06	Wed 12/6/06	LS (5-MAN CREW)
203	Ruland Road Terminations	8 days	Tue 11/28/06	Thu 12/7/06	LS (5-MAN CREW)
201	East Garden City GIS Terminations	8 days	Fri 12/1/06	Mon 12/11/06	LS (5-MAN CREW)



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I

Spill Response Procedure and Spill Notification Directory

TAB I

GENERAL INFORMATION

I. INTRODUCTION

This Spill Notification Directory (SND) has been prepared to implement KeySpan's centralized notification policy. It identifies the specific notifications that will be made in the event of a spill at any KeySpan facility, or at certain Long Island Power Authority (LIPA) owned installations such as substations or transmission facilities. This document also identifies the individuals responsible for making the notifications.

II. APPLICABLE FACILITIES

This document provides spill notification information for the following:

A. Steam Electric Generating Plants With/Without Associated Gas Turbine (GT) Units, Substation and/or Switchgear

Glenwood	Port Jefferson
Far Rockaway	Northport
E. F. Barrett	Ravenswood

B. Manned GT Generating Stations

E. F. Barrett Generating Station
Holtsville Generating Station
Wading River Generating Station
Glenwood Energy Center

C. Unmanned GT/Diesel Electric Generating Stations

East Hampton Generating Station
Glenwood Gas Turbine Sites, Units 1, 2 and 3
Montauk Generating Station
Shoreham Generating Station
Southampton Generating Station
Southold Generating Station
West Babylon Generating Station

D. LIPA Substations and Transmission Cables

E. KeySpan Operations Centers

F. LIPA Distribution Transformers

III. APPLICABLE SPILLS

The vast majority of spills experienced on the KeySpan system involve the release of petroleum type products; however, spills of other compounds referred to as "hazardous substances" can occur. Whenever a spill of a petroleum product or hazardous substance does occur, regulations require that notifications be made to federal, state and local agencies.

For purposes of this document, "petroleum" means oil or petroleum of any kind and in any form including but not limited to oil, petroleum, fuel oil, mineral oil, oil sludge, oil mixed with other waste, waste oil, crude oil, No. 2 oil, No. 6 oil, lubricating oil, gasoline and kerosene.

Appendix A to this document identifies applicable hazardous substances and provides instructions on how to calculate Reportable Quantities (RQs).

IV. OVERVIEW OF SPILL NOTIFICATIONS

The following overview of spill notifications applies to spills at the facilities covered by this SND as described in Section II.

In the event of a spill at a KeySpan or LIPA facility, there are two sets of notifications that must be made.

- SND Notifications

  The first set of notifications consists of calls to federal, state and local agencies, and internal notifications to the following KeySpan organizations: Environmental Operations, Environmental Engineering and Compliance (EE&C), Emergency Preparedness, Media Relations, Government Relations, Claims and Legal. Calls to regulatory agencies must be made as soon as possible, but no later than two hours from the discovery of the spill.

  The KeySpan Electric System Operator (ESO) is responsible for making SND calls if the event is at a generating station, at a manned/unmanned GT site, at a LIPA substation, or involves a LIPA transmission cable. If for any reason the ESO is unable to make the notifications, the responsibility then falls to either the person in charge at the spill location, or to the on-call Environmental Operations representative.

  The KeySpan on-call Environmental Operations representative is responsible for making the SND calls if the spill is at a KeySpan operations center, or involves a LIPA distribution transformer. The on-call Environmental Operations representative may ask for assistance in making the SND notifications from other

Environmental Operations personnel or from EE&C personnel, as available. **(Reference Attachment 1, Environmental Spill Notification Callout for the names and contact numbers of the Environmental Operations and EE&C personnel.)**

- Other Notifications

The second set of notifications consists of calls to facility management personnel, the designated cleanup contractor, and other KeySpan departments and organizations, as needed. Designated personnel at the site of the incident will make these calls using site specific notification procedures.

Following are specific Notification Schemes:

A. Steam Power Plants With/Without an Associated GT Unit, Substation and/or Switchgear (See Exhibit 1)

Whenever a spill is discovered at one of the power plants, a call will be made to the on-duty Shift Supervisor. After assessing the situation and classifying the spill, the Shift Supervisor will activate the site's Initial Actions Team. In addition, the Shift Supervisor or his designee will place calls to the ESO, to site and Electric Production personnel, as appropriate, and to the designated spill contractor, if needed. Once notified, the ESO will initiate external and internal notifications in accordance with this SND. These notifications will include calls to the on-call GT Supervisor if the spill is at the site's GT unit, or to the Substation Maintenance Stand-by Supervisor if the spill is at the site's substation or switchgear facilities.

B. Manned Gas Turbine Generating Stations With an Associated Substation and/or Switchgear (See Exhibit 2)

Whenever a spill is discovered at one of the manned GT generating stations, a call will be made to the on-duty GT Supervisor. After assessing the situation and classifying the spill, the GT Supervisor will activate the site's Initial Actions Team. In addition, the GT Supervisor or his designee will place a call to the ESO, to GT and Electric Production personnel, and to the designated spill contractor, if needed. Once notified, the ESO will initiate external and internal notifications in accordance with this SND. These calls will include calls to the Substation Maintenance Standby Supervisor if the spill is at the site's substation or switchgear facilities.

C. Unmanned Gas Turbine/Diesel Generating Stations (See Exhibit 3)

Whenever a spill is discovered at an unmanned GT generating station, a call will be made to the on-call GT Supervisor and to the ESO. The GT Supervisor will activate the Initial Actions Team, make calls to appropriate management personnel, and call the designated spill contractor, if needed. The ESO will make notifications in accordance with this SND.

D. LIPA Substations and Transmission Facilities (See Exhibit 4)

Whenever a spill is discovered at a LIPA substation or on transmission facilities, a call will be made to the ESO. The ESO will then initiate calls to the Substation Maintenance Standby Supervisor who, in turn, will notify the appropriate Emergency Coordinator and the designated spill contractor, if needed. Once the Substation Maintenance Standby Supervisor is notified, the ESO will make notifications in accordance with this SND.

E. KeySpan Operations Centers (See Exhibit 5)

Whenever a spill is discovered at a KeySpan Operations Center, a call will be made to the Central Monitoring Station (CMS) Operator or, in his absence, the Senior Services Operator (SSO). In accordance with procedures, the CMS/SSO will notify, as appropriate, the on-call Environmental Operations representative and the site's Emergency Coordinator (if different from the Environmental Operations representative). The Environmental Operations representative, once notified, will be responsible for making appropriate notifications in accordance with this SND, and then will proceed to the site to either lead or assist with the spill response. The Environmental Operations representative/ Emergency Coordinator will call the spill contractor.

F. LIPA Distribution Transformers (See Exhibit 6)

Spills from a downed distribution transformer will be called into the SSO. The SSO will notify the on-call Environmental Operations representative. The Environmental Operations representative, once notified, will be responsible for making appropriate notifications in accordance with this SND, and will then proceed to the site to head up the spill response.

V. SPILL NOTIFICATION PROCEDURE

This SND has been prepared to aid those who are responsible for making the spill related notifications to federal, state and local agencies, and to selected KeySpan organizations. The agencies to be notified vary with both the location and the severity of a spill. Used properly, this directory will ensure that the correct notifications are made.

This Centralized Notification Procedure is dependent upon an accurate and timely call for every spill incident. Therefore, for each spill event except for those spills occurring on the LIPA-CL&P 138 kV cable, it shall be mandatory that the Spill Incident Form (Exhibit 7) is filled out by personnel at the spill site. If the incident occurs on the LIPA-CL&P Transmission Cable, it shall be mandatory that the LIPA-CL&P 138 kV Cable Transmission Incident Form is completed. (Exhibit 8)

Following is a list of information required by regulatory agencies:

- Location of spill
- Date and time of spill
- Name and title of individual calling
- Telephone number of caller
- Material spilled
- Estimated volume of spill
- The source of the spill
- Whether spill is on land or in water
- Status of leak
- Name and telephone number to be called if additional future information is required
- Actions being taken

In order to assist the individual performing notifications, the spill must be properly classified. The Spill Classification Chart (Exhibit 9) will aid in making the proper spill classification.

Upon receiving the spill classification and information, the ESO, or the on-call Environmental Operations representative, as appropriate, shall refer to the appropriate TAB as listed in the table of contents of this SND and make all notifications listed for that particular facility and spill classification. Timeliness of these calls is essential. While certain information about a spill incident is required by the regulatory agencies, all of the information may not be immediately available. CALLS TO REGULATORY AGENCIES SHALL NOT BE DELAYED DUE TO UNAVAILABLE INFORMATION. A preliminary call with partial information is permissible with backup calls being made when new information is made known.

Use a copy of the appropriate TAB to keep a record of notifications:

- Calls should be made in the order listed, if possible.
- Place the date and class of spill at the top of the form.
- Record the name of the individual at each agency who has accepted the call in the space provided on the form.

- Record the time and enter your initials in the space provided
- Record "N/A" for "Not Applicable" in the space next to agencies not required to be contacted for the class of spill involved.

At the closeout of an incident, all completed Spill Incident Form(s), or the LIPA-CL&P 138 kV Cable Transmission Incident Form(s) and the completed tabs from the SND should be forwarded to Environmental Operations.

VI. TELEPHONE NUMBER VERIFICATION UPDATE

All notification telephone numbers shall be verified as correct on a semiannual basis. Any and all revisions shall be corrected and these corrections shall be distributed to all copies of the SND throughout the Company.

Whenever a telephone number change or revision is discovered, either through the normal course of communication or by some other method, the person who discovers this change or revision shall notify Emergency Preparedness & Nuclear Support (EP&NS).

If during notifications a telephone number of an agency is found to be no longer valid, then every attempt shall be made to find out the new telephone number so that agency can be contacted.

VII. CLASSIFICATION OF SPILLS

The following definitions are to be employed when classifying an oil spill incident into its appropriate category. These classifications are intended solely to assist KeySpan personnel in determining the proper notifications that must be made. They do not have regulatory significance. **(Classification for PCB oil and Hazardous Materials are slightly different. See Appendix A)**

THE CLASSIFICATION OF AN OIL SPILL MUST BE AVAILABLE AT THE TIME OF CALL INTO THE ELECTRIC SYSTEM OPERATOR.

Class I — A Class I spill meets all the following requirements:

- Small quantity (e.g., less than 100 gallons of oil)
- Fully contained on-land either within existing secondary containment structure, within dike constructed in response to the particular event or immobilized on ground surface.
- No discharge to navigable water or storm drain.
- Material spilled is not a flammable liquid* or combustible liquid*

*NOTE A flammable liquid is a liquid with a flash point less than 100°F. A combustible liquid is a liquid with a flash point between 100°F and 200°F. (See Table 1 for typical flash points.)

Class II A Class II spill meets any of the following criteria:

- Large quantity (e.g., greater than 100 gallons of oil but less than 1000 gallons), or
- Containment of spill is questionable, or
- Material spilled is a flammable or combustible liquid (i.e., flash point less that 200°F - refer to Table 1 for typical flash points) and there is no discharge to navigable water

Class III A Class III spill meets the following criterion:

- Discharge of a small amount oil (e.g., 10 gallons or less) into navigable water occurs or is imminent.

Class IV A Class IV spill meets either of the following requirements:

- Discharge of significant amount of oil (i.e., greater than 10 gallons) into navigable water, or
- An on-land spill which threatens to significantly impact the environment (e.g., greater that 1000 gallons on-land, or a spill which materially effects private property)

Exhibit 9, Spill Classification Chart may be used to assist in classifying a spill.

EXHIBIT 1
NOTIFICATION DIAGRAM FOR STEAM ELECTRIC POWER PLANTS WITH ASSOCIATED GAS TURBINE UNITS, LIPA SUBSTATIONS AND/OR LIPA SWITCHGEAR

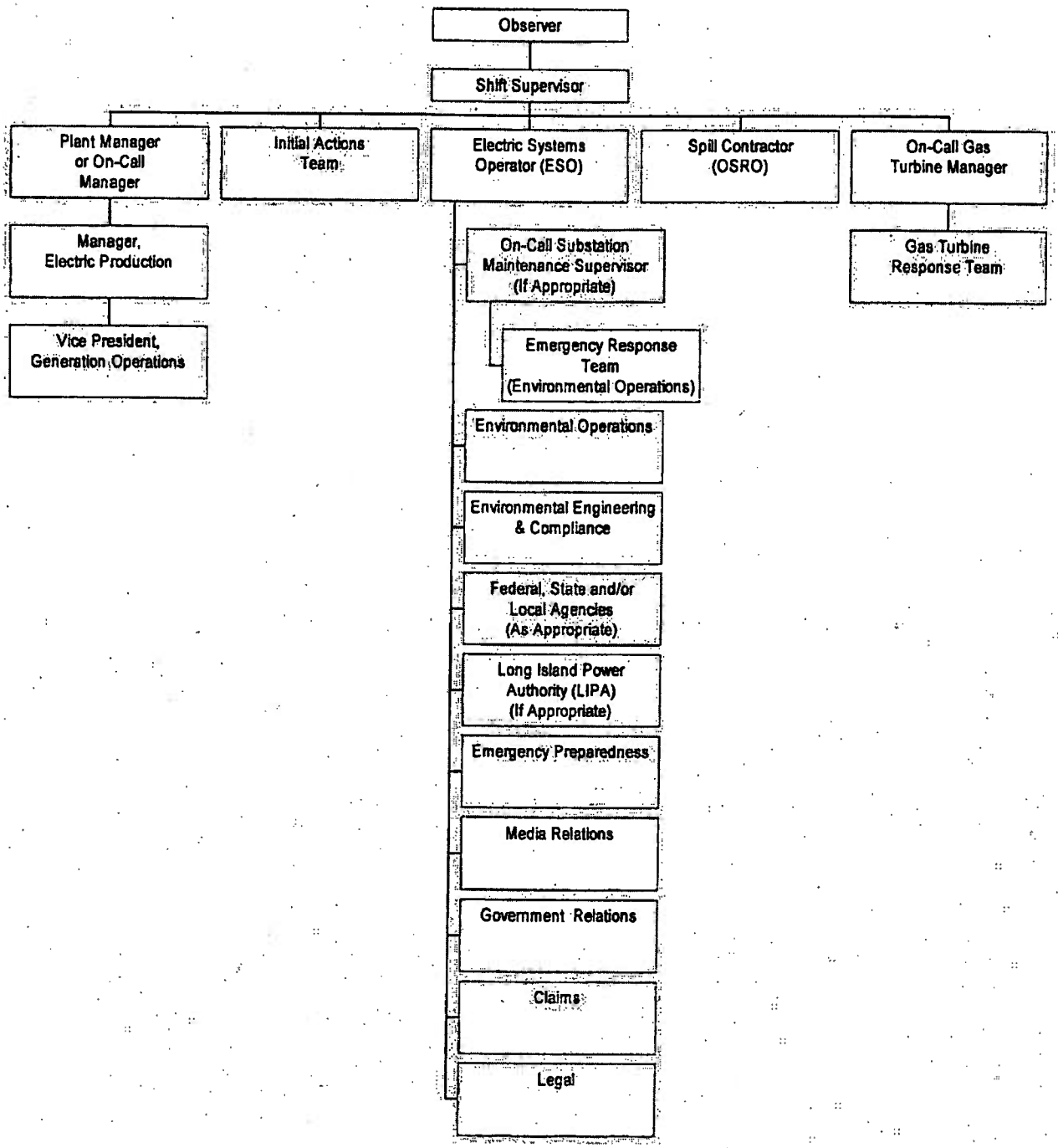


EXHIBIT 2
NOTIFICATION DIAGRAM FOR MANNED GAS TURBINE GENERATION STATIONS WITH ASSOCIATED LIPA SUBSTATION AND LIPA SWITCHGEAR

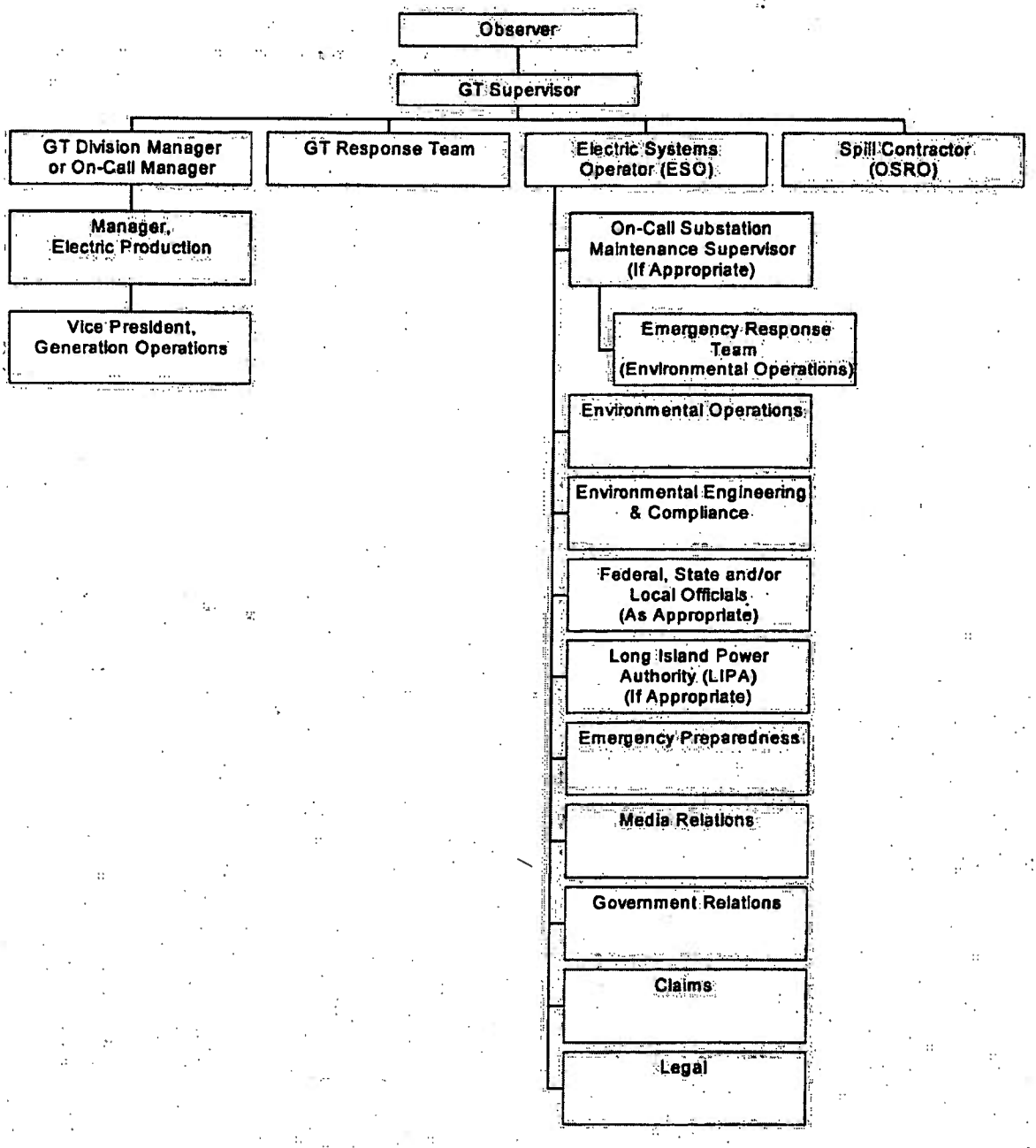


EXHIBIT 3
NOTIFICATION FLOW DIAGRAM FOR UNMANNED GAS TURBINE/DIESEL GENERATING STATIONS WITH ASSOCIATED LIPA SUBSTATION AND/OR LIPA SWITCHGEAR

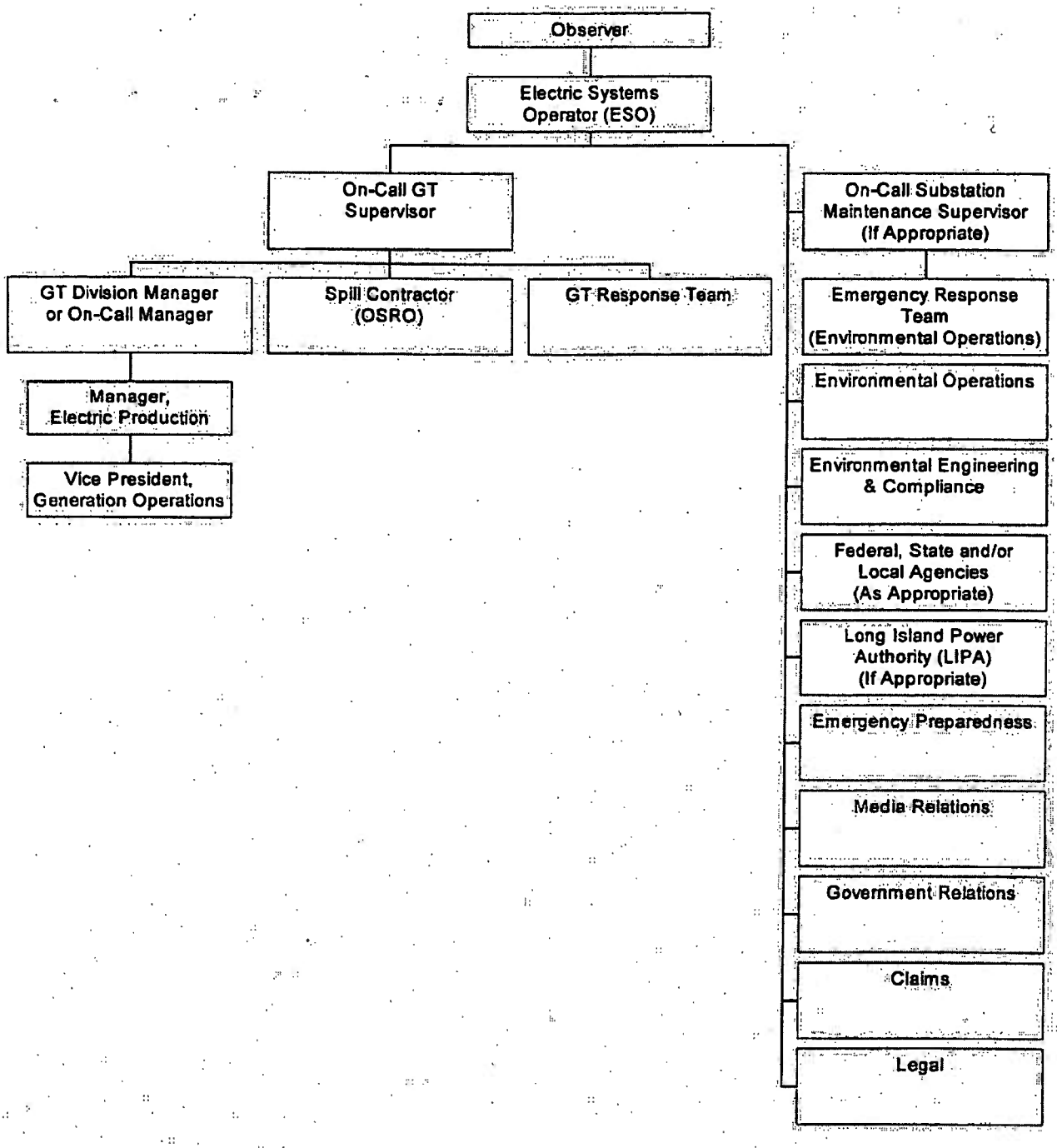


EXHIBIT 4
NOTIFICATION DIGRAM FOR LIPA SUBSTATIONS AND TRANSMISSION FACILITIES

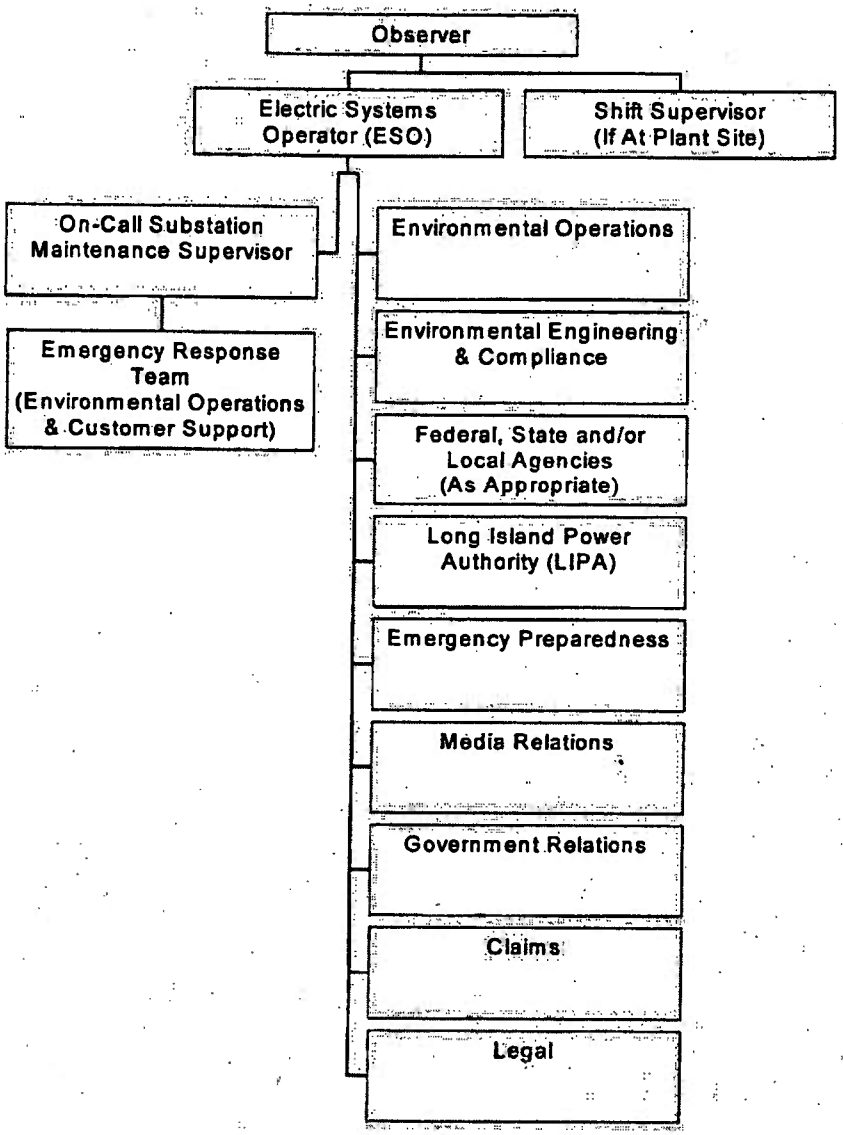


EXHIBIT 5
NOTIFICATION DIAGRAM FOR KEYSPAN OPERATIONS CENTERS

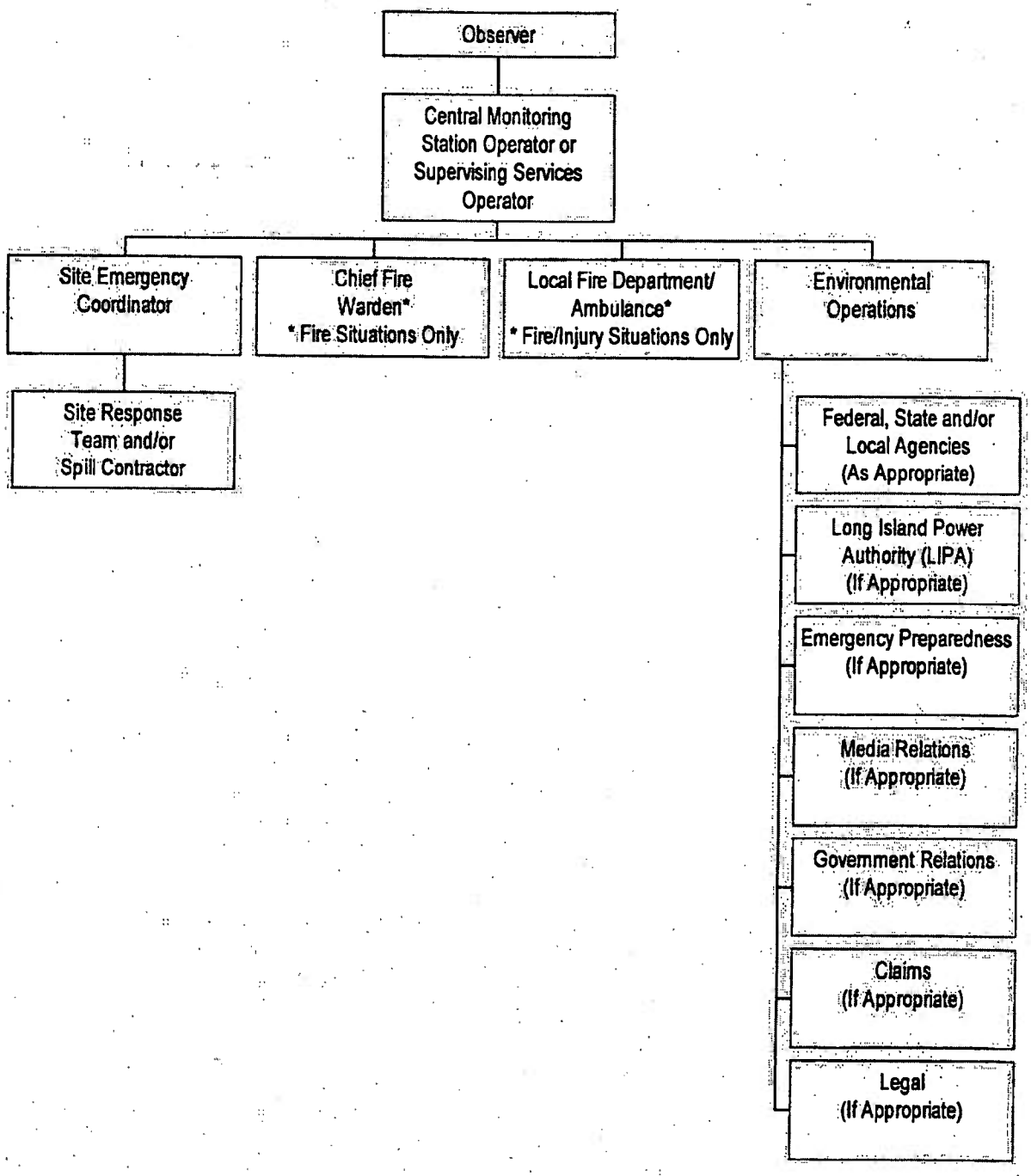
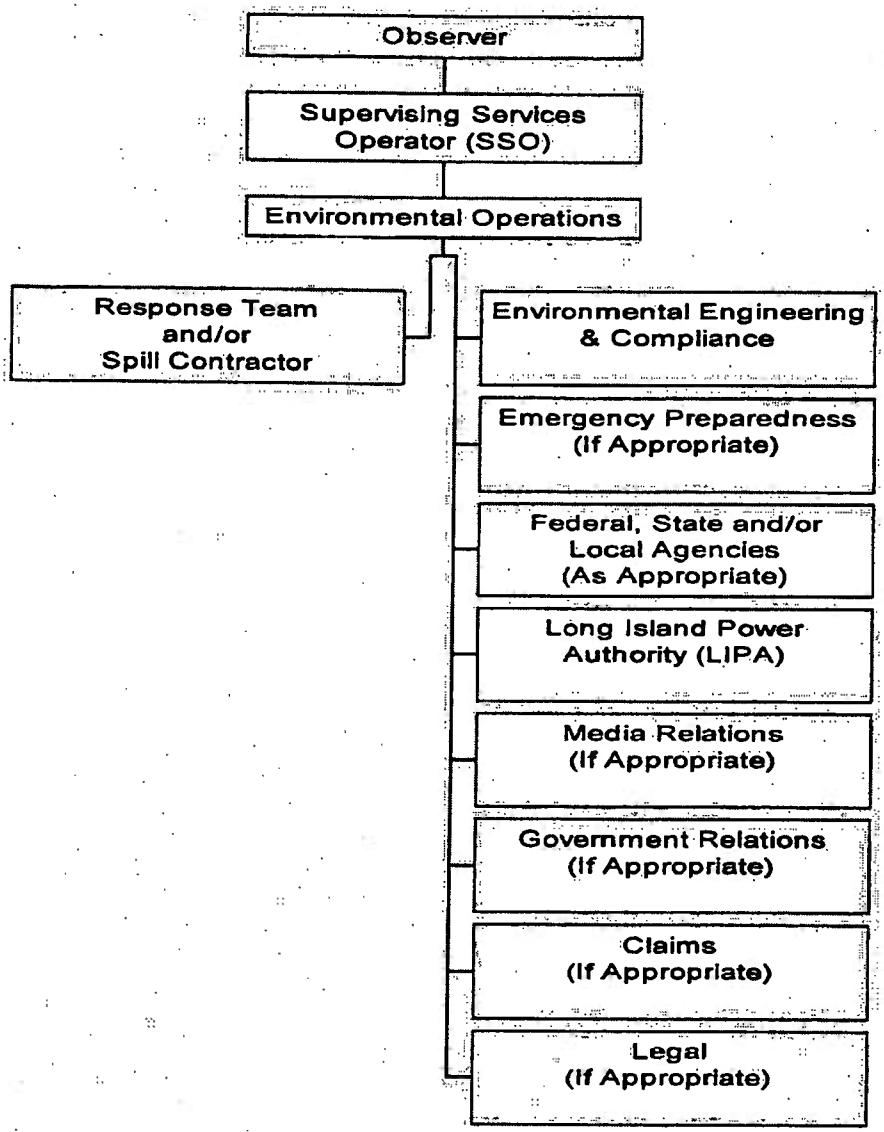


EXHIBIT 6
NOTIFICATION DIAGRAM FOR LIPA DISTRIBUTION TRANSFORMER INCIDENTS



KEYSPAN SPILL NOTIFICATION DIRECTORY

SPILL INCIDENT FORM
(Involved Parties)

(A) Reporting Party	(B) Suspected Responsible Party
Name Phones: _____ Position Company: KeySpan Energy Name of Spill Site: Address: Village: Town: State: Zip: Calling For Responsible Party Yes ____ No ____	Name Phone: _____ Company Organization Type: ___ Private citizen ___ Private enterprise ___ Public utility ___ Local government ___ State government ___ Federal government City State Zip

***It is not necessary to wait for all information before calling the National Response Center**

Incident Description

Were Materials Discharged? Yes ____ No ____
Date of Spill Discovery: ___/___/___ Time of Spill Discovery: _____ Hours (use military time)
Source and/or Cause of Spill:

Tank No. _____ Tank Capacity: _____ Gallons
Storage Tank Container Type: Aboveground (Y/N) Belowground (Y/N) Unknown
Incident Address/Location:
Nearest City: Distance From City:
Latitude Degrees: Longitude Degrees:

Materials

Material Discharged: _____ NOTE: If asked, the Chris Code for No. 2 FO is OTW; for Kerosene it is KRS
Estimated Amount of Material Spilled: Land _____ Gallons Water _____ Gallons
Source Stopped? Yes _____ No _____
If Not, Rate of Flow: _____
Material Contained? Yes _____ No _____ Unknown _____

Response Actions

Actions Taken to Correct/Control or Mitigate Incident:

Impact

Number of Injuries: _____ Number of Fatalities: _____
Were there Evacuations (Y/N/U)? Number Evacuated: _____
Was there any Damage (Y/N/U)? Damage in Dollars: _____

Additional Information

Any information about the incident not recorded elsewhere in the report

Caller Notifications

USCG (Y/N) EPA (Y/N) State (Y/N) Other (Y/N) Describe _____

PERSON TO CONTACT FOR ADDITIONAL INFORMATION:

Name _____ Phone # _____

****

Recipient's Name: _____ Title: _____
Spill Number Assigned by the National Response Center (NRC): _____
Spill Number Assigned by the NYS Department of Environmental Conservation: _____

KEYSPAN SPILL NOTIFICATION DIRECTORY

___ **Suspected Leak** ___ **Declared Leak**

LIPA-CL&P 138 kV Cable Transmission Incident Form

NOTIFICATION: Date: _____ **Time:** _____ **Hrs**
Caller's Name _____
Dept./Location _____
Phone Number _____
Supervisor on Site _____ Phone # _____

****

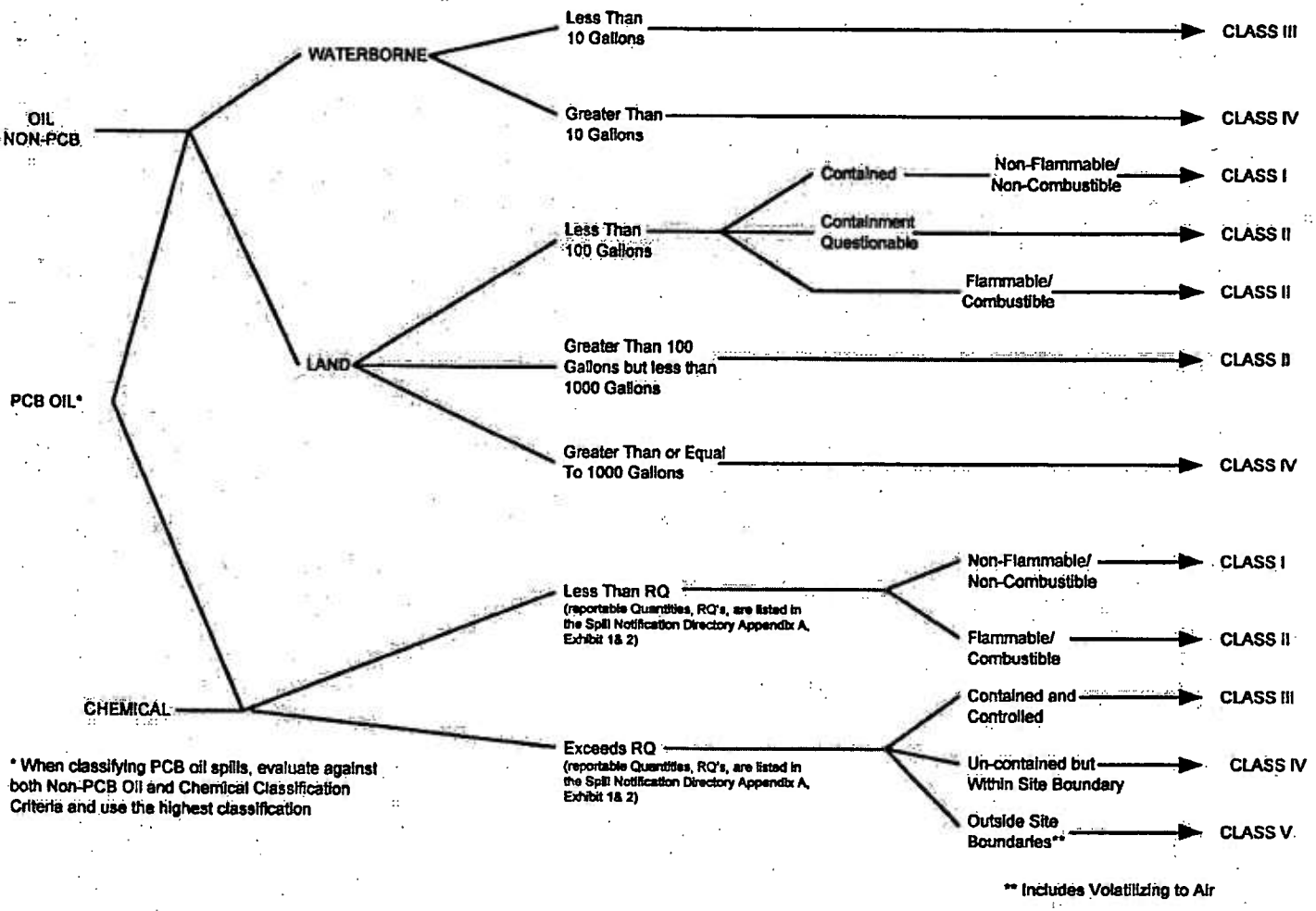
LEAK INFORMATION: Dielectric Fluid from the LIPA-CL&P 138kV Cable
Date of Discovery: _____ Time of Discovery: _____ Hrs
Approximate Leak Rate _____ Total Leaked _____
Estimate Time Leak Began _____ Hrs Cable(s) Affected _____
Location of Leak (if available) _____
Weather: _____
Areas Affected:
Waterways _____
Land _____
Cause of Leak (if known) _____
_____
Actions Implemented: _____
_____
Is the Leak Stopped? Yes _____ No _____
If a "suspected leak," did it become a declared leak? Yes _____ No _____
Additional Comments: _____
Person to contact for additional information:
Name _____ Phone# _____

****

Recipient's Name _____
Title/Dept. _____ Phone Number _____

NOTE: DO NOT WAIT FOR ALL INFORMATION PRIOR TO MAKING NOTIFICATIONSATTACHMENT 1

SPILL CLASSIFICATION CHART



KEYSPAN SPILL NOTIFICATION DIRECTORY

ENVIRONMENTAL SPILL NOTIFICATION CALLOUT

For all spills, activate the Environmental Operations (Environmental Operations) duty pager:

516-824-2485 for all spills

This pager is used 24 hours a day, 7 days a week as the means of spill notification and emergency callout. Twenty minutes should be allowed for the individual to respond before trying again.

BACKUP – PRIMARY

If the on-call Environmental Operations representative does not respond following the second attempt call, in order, the following, stopping once you have made contact.

NAME	PAGER #	HOME #	CELTEL #	OFFICE #	NEXTEL #
Martin Bruscella Env. Ops. Engineer	1-516-229-8254	1-516-628-3129	1-917-807-2295	1-516-545-2401	61045
Bart Polizzotti Senior Supervisor	1-516-824-9521	1-516-520-4267	1-646-235-0403	1-516-545-5511	61605
Bob Lowe HAZMAT Foreman	1-516-824-9527	1-516-328-0898	1-646-235-0404	1-516-545-5589	61606
Shawn Davis HAZMAT Specialist	1-516-824-9768	1-631-345-3615	1-646-235-0406	1-516-545-5589	61608
Edward Miller Environmental Operations Coordinator	1-917-218-6304	1-516-872-3224	1-917-731-8543	1-718-963-5407 1-718-990-7018	367
Wei Chiang Manager, Environmental Operations	1-516-824-1329	1-718-225-4489	1-646-235-0402	1-516-545-4368 1-516-792-7302	61604
Robert Wilson Director of Operations	1-917-218-6233	1-631-828-6085	1-917-807-1678	1-718-963-5420 1-516-545-2580	199

KEYSPAN SPILL NOTIFICATION DIRECTORY

BACKUP – ALTERNATE

If notification of any of the primary alternates is unsuccessful, then attempt to contact any one of the following.

NAME	PAGER #	HOME #	CELTEL #	OFFICE #	NEXTEL #
Chris Gross Water Quality & Env. Response	**1-516-824-7530**	**1-631-754-3776**		**1-516-545-2561**	
Steve Dalton Env. Compliance Programs	**1-516-824-7534**	**1-631-588-2920**	**1-516-840-9127**	**1-516-545-2560**	
Bob Teetz Director, EC&C	**1-516-824-4768**	**1-516-354-6928**	**1-516-840-8441**	**1-516-545-2577**	

NOTE: IN NO INSTANCE SHOULD A SPILL NOTIFICATION BE LEFT ON AN ANSWERING MACHINE

THE INFORMATION ON THIS LIST IS CONFIDENTIAL

TABLE 1

TYPICAL FLASH POINTS FOR LIQUIDS WHICH ARE ROUTINELY STORED AT KEYSPAN FACILITIES

Flammable Materials	Flash Point
Acetone	-15°F
Gasoline	-40°F
Paint Thinners	100°F
Combustible Materials	
Mineral Spirits	100°-115°F
#2 Fuel Oil	140°-180°F
#6 Fuel Oil	150°-200°F
Waste Oils	200°F
Non-Combustible Materials	
Dielectric Fluid (including Mineral Oil)	300°F
Hydraulic Oil	285°-360°F
Automatic Transmission Fluid	400°F
Sun Cable Oil	450°F

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
I	II	III	IV	Environmental Operations (Duty Pager)	***1-516-824-2485 Note 1		
	II	III	IV	Environmental Engineering & Compliance	***1-516-824-7530, or ***1-516-824-7534, or ***1-516-824-4768		
		III	IV	National Response Center	**1-800-424-8802 Fax: 1-202-267-1322 (No reports via fax)		
		III	IV	USCG-COTP New York	**1-718-354-4121		
				Or (as applicable)			
		III	IV	USCG-COTP LI Sound	**1-203-468-4444		
I	II	III	IV	Supervising Service Operator	**889-4016 (tieline)		
I	II	III	IV	Electric Design & Construction			
				Brentwood	*1-631-348-6139(outside) *887-6139 (tieline)		
				Hewlett	*1-516-792-7257 (outside) *864- 7257(tieline)		
				Hicksville	*1-516-545-4610 (outside) *889-4610 (tieline)		
				Riverhead	*1-631-548-7108 (outside) *855-7108 or 7050 (tieline)		
				** Refer to ED&C Standby List for off-hours			

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
I	II	III	IV	Substation Maintenance Brentwood Hewlett Hicksville Riverhead **Refer to Substation. Maintenance Standby List for off-hours	 *1-631-348-6159 (outside) *887-6159 (tieline) *1-516-792-7288 (outside) *864-7288 (tieline) *1-516-545-4007 (outside) *889-4007 (tieline) *1-631-548-7057 (outside) *855-7057 (tieline)		
I	II	III	IV	Media Relations Hotline Long Island (24 Hr)	*889-5052 (Tieline) ***1-516-824-1241		
I	II	III	IV	Government Relations (Tom Dejesu)	*889-4449 (Tieline) *1-516-545-4449 ***1-917-298-1595 1-917-693-3037(Cell)		
		III	IV	Emergency Preparedness	***1-516-824-8550		
	II	III	IV	Legal Department (Donna Riccobono)	*1-718-403-3044		

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
	II Note 2		IV	LIPA: Seth Hulkower AND LIPA: Bert Cunningham LIPA Message Center AND LIPA: Michael Hervey	*1-516-719-9804 Office *1-516-222-9137 Office Fax ***1-888-918-5472 Pager 1-917-734-6821 Cell *1-516-719-9838 Office *1-516-222-9137 Office Fax ***1-516-332-4684 Pager **1-516-938-3029 Home 1-516-551-6616 Cell *1-516-719-9862 Office ***1-516-891-5715 Pager 1-516-319-3425 Cell		
			IV	Claims: Nassau/City Suffolk	*1-631-436-4200 ***1-516-296-8415 ***1-516-296-8413 ***1-516-824-1135 (John Oliver)		
FOR CALLSIN NEW YORK CITY – CALL EACH AS NEEDED							
I	II	III	IV	NYC Department of Environmental Protection/ Hazardous Material Mgt.	1-212-689-1520		
	II	III	IV	NYC Office of Emergency Management (OEM)	**1-718-422-8700		
	II	III	IV	NYC Fire Department (Queens Central Dispatch)	**1-718-999-5555		
I Note 3	II Note 3	III Note 3	IV Note 3	NYC Police 101st Precinct	**1-718-868-3400		

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
I	II	III	IV	NYS Department of Environmental Conservation Hotline	**1-800-457-7362		
FOR SPILLS IN NASSAU COUNTY – CALL EACH AS NEEDED							
I	II	III	IV	NYS Department of Environmental Conservation Hotline	**1-800-457-7362		
	II Note 3	III Note 3	IV Note 3	Nassau County Office of Emergency Management	*1-516-573-0636 or **1-516-573-0644		
I 4	II 4	III 4	IV 4	Nassau County Health Department/Bureau of Environmental Management	*1-516-571-3314 or 1-516-571-2406 **1-516-742-6154 (County Answering Service)		
				Nassau County Police Emergency Services Unit	**1-516-573-8240 **1-573-8210 (Highway Patrol Desk)		
I	II	III	IV	Nassau County Fire Marshall/LEPC	**1-516-742-3191 or **1-516-742-3170		
	II Note 5	III Note 5	IV	Nassau County Fire Communication Center (to obtain local Fire Department)	**1-516-742-3170		
			IV	Nassau County Department of Public Works/Hazardous Waste Services Unit	*1-516-571-6850 **1-516-571-6900 ***1-516-565-8080		
			IV	Town of Oyster Bay Division of Environmental Control Andrea Garone or Eric Swensen	*1-516-677-5748 **1-516-677-5757 or **1-516-818-2290		

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
		III	IV	Town of Hempstead Bay Constable	**1-516-897-4100		
		III	IV	North Hempstead Town Harbor Patrol	*1-516-327-3110		
FOR SPILLS IN SUFFOLK COUNTY – CALL EACH AS NEEDED							
I	II	III	IV	NYS Department of Environmental Conservation Hotline	**1-800-457-7362		
I	II	III	IV	Suffolk County Department of Health Services	1-631-854-2537 1-631-854-2501		
I Note 3	II Note 3	III Note 3	IV Note 3	Suffolk County Police	*1-631-852-6400 **1-631-852-6454		
	II Note 5	III Note 5	IV	Suffolk County Fire & Rescue/LEPC	**1-631-924-5252		
I	II	III	IV	Huntington Town Public Safety	**1-631-351-3234		
I	II	III	IV	Huntington Town Supervisor Frank Petrone	1-631-351-3030, or 1-631-351-3305 **1-631-351-3234		
		III	IV	State Senator Marcellino's Office. Ask for Nancy Liquerra. Non-Business hours, leave message on answering machine, if necessary	*1-516-922-1811 **1-516-921-3394		

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
			IV	Babylon Town Department of Fire Prevention	*1-631-893-1092 **1-631-957-3133 **1-631-422-7600 (Town Security)		
			IV	Brookhaven Town Fire Marshall	*1-631-451-6262 **1-631-451-6161 (Town Code Enforcement)		
			IV	Town of East Hampton Natural Resources	*1-631-324-0496 **1-631-725-4521		
			IV	Town of East Hampton Harbor Master	*1-631-329-3078 **1-631-537-7575		
			IV	Town of East Hampton Fire Protection	*1-631-329-3473 *1-631-537-6758		
			IV	East Hampton Town Supervisor	*1-631-324-4140		
I Note 3	II Note 3	III Note 3	IV Note 3	Town of East Hampton Police Department	**1-631-537-6758		
I Note 3	II Note 3	III Note 3	IV Note 3	Village of East Hampton Police Headquarters	**1-631-324-0777		
			IV	Town of Islip Environmental Control	*1-631-224-5646/5645 **1-631-224-5300 (Public Safety/ 24 Hr)		
			IV	Smithtown Department of Environmental & Waterways	*1-631-360-7514 **1-631-360-7553 (Town Code enforcement and Emergency Management)		
			IV	Smithtown Department of Public Safety	**1-631-360-7553		

KEYSPAN

TAB XX
LIPA TRANSMISSION CABLES

Call the first group of agencies and then call **only** the appropriate agencies based on the spill location.

Date: Spill Class: Location:

Notification Made By: Title:

Spill Classification				Title/Agency	Phone Number *Business Hours **Non-Business/24-Hours ***Pager #	Person Accepting Call	Time and Initials
			IV	Smithtown Parks Department	*1-631-269-1122		
			IV	Southampton Town Office of the Fire Marshall, Public Safety and Code Enforcement	*1-631-288-0201 **1-631-728-3400 **1-631-728-5000		
I Note 3	II Note 3	III Note 3	IV Note 3	Town of Southampton Police Department	**1-631-728-5000		
I Note 3	II Note 3	III Note 3	IV Note 3	Village of Southampton Police Department	**1-631-283-0056 **1-631-728-3400		
I Note 3	II Note 3	III Note 3	IV Note 3	Southold Town Police Department	**1-631-765-2600		
			IV	Southold Town Supervisor	*1-631-765-1889 **1-631-921-0143		
			IV	Wading River Fire Department	**1-631-929-4344		

* "Business Hours" only number
** "Non-Business" and/or 24-HOUR numbers (may be through another agency where noted)
*** Pager (Beeper) number -call from TOUCHTONE phone only.
After hearing 3 "beeps" enter your return call number, push #, wait for confirming beep, hang up.
Sky Pagers -dial (Area Code) phone number

Note 1: If no response on second attempt to page Environmental Operations see Environmental Spill Notification Callout (TAB 1 Attachment 1).
Note 2: Call if incident is newsworthy.
Note 3: Call only if potential to tie up traffic exists or security is a problem. CONTACT KEYSPAN MEDIAINFORMATION VIA 24-HOUR HOTLINE 889-5052 TIE LINE OR 545-8177 OUTSIDE LINE.
Note 4: Notify Nassau County Health as follows:
PCB or Hazardous Substance spills -all
Oil -Class II, III, IV
Note 5: Call only if material spilled is a flammable or combustible liquid as indicated in table of flash points (TAB 1 Table 1).

	GENERAL OPERATIONS PROCEDURE	GO-10329 Rev. 2 2/23/01

MANAGEMENT OF AND RESPONSE TO NON-FUEL OIL SPILLS FROM COMPANY OPERATIONS

KEYSPAN CORPORATION

Approved By:

Original Signed By

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1.0 PURPOSE

1.1 To provide instructions (i.e., reporting, clean-up, response, disposal) to management to address:

- oil spills from the electric distribution system,
- oil spills from electrical equipment at generating stations and substations and,
- releases of fluids or powders (dust) from equipment or piping within the gas transmission and distribution system.

1.2 To provide specific directions for responding to spills which contain PCBs and spills where the PCB content is unknown.

1.3 To provide instructions for responding to other hazardous or non-hazardous spills from Company operations in the New York Area.

2.0 SCOPE

2.1 This procedure documents the responsibilities and required actions related to notification, reporting, worker protection, sampling, remediation and proper handling of waste product and debris of the following:

- Spills of mineral oil or dielectric fluid from;
  - a) electrical equipment within a substation or generating station and/or,
  - b) equipment which is part of the electrical distribution system.
- Spills or releases of any fluids or dust (powders) from any portion of the gas transmission or distribution system, and
- Spills or releases of other non-hazardous or hazardous materials or wastes occurring during Company operations, including transportation related incidents.

2.2 This procedure does not cover spills associated with the LIPA-CL&P 138kV Submarine Cable under Long Island Sound. Such Spills are addressed by a separate procedure (see section 4.5.12).

2.3 This procedure does not cover spills of #2 fuel oil or #6 fuel oil at generating stations. These spills are addressed in the Spill Prevention, Control and Counter-measure plans (SPCC) developed for each location, the Spill Notification Directory (SND) and the Oil Spill Contingency Plan.

2.4 This procedure does not cover spills and/or releases of asbestos or asbestos containing materials

3.0 POLICY

3.1 General Requirements

3.1.1 This procedure has been designated as a Corporate Procedure.

3.1.2 This procedure supercedes BU Distribution SOP/Environmental Guideline 12-1 and LILCO General Operating Procedure 10329 Rev. 1

3.1.3 Outside notifications are required. See Section 7.3.

3.1.4 The actions detailed in this procedure are responsive to various federal, state and local regulations. See Section 4.0.

3.1.5 This procedure shall be reviewed annually with all field and supervisory personnel responsible for its implementation to ensure familiarity with all procedure steps, and material to be handled. See Section 6.0.

3.1.6 This procedure shall be reviewed, and revised as necessary at least every three (3) years.

3.1.7 The Lead Organization for the procedure is the Environmental Engineering and Compliance Department.

3.2 Company Policy

3.2.1 The Company's Environmental Policies are described in Reference 4.5.1

3.2.2 Regulatory Compliance

Company operations involving the handling of spills that contain or may contain PCBs, hazardous or non-hazardous regulated materials or waste shall comply with all applicable federal, state and local regulations. See Section 4.0.

3.2.2 Employee Compliance Responsibility

All Company management employees shall ensure that they and all involved employees working under their supervision are familiar with and comply with Company policies and procedures concerning handling of spills which contain or may contain PCBs or other hazardous or non-hazardous regulated materials.

All employees and their supervisors who participate in emergency response operations for releases of, or substantial threats of releases of, OSHA hazardous substances and/or are involved in Hazardous Waste Treatment, Storage and Disposal Facility (TSDF) operations; both of which may subject the employee to exposure or the reasonable possibility for employee exposure to safety or health hazards; must be trained in accordance with OSHA Hazardous Waste Operations and Emergency Response Requirements (29 CFR 1910.120).

4.0 REFERENCES

The laws, regulations and related Company procedures referenced by this document are noted below.

4.1 Federal Regulations & Laws

4.1.1 Resource Conservation and Recovery Act (RCRA)

4.1.2 Toxic Substances Control Act (TSCA) of 1976 and its implementing regulations:

4.1.2.1 40CFR116 – Designation of Hazardous Substances,

4.1.2.2 40CFR117 – Determination of Reportable Quantities for Hazardous Substances,

4.1.2.3 40CFR302 – Designation, Reportable Quantities, and Notification,

4.1.2.4 40CFR 761 – Polychlorinated Biphenyl (PCB) Manufacturing, Processing, Distribution in Commerce and use Prohibitions.

4.1.3 Federal Water Pollution Control Act of 1972

4.1.4 Department of Transportation Hazardous Materials Regulations

4.1.5 Occupational Safety and Health Act, and its implementing regulations:

4.1.5.1 29CFR1910.120, Hazardous Waste Operations and Emergency Response

4.1.5.2 29CFR1910.1200, Hazard Communication

4.2 New York State

4.2.1 NYS Hazardous Waste Regulations, 6 NYCRR 370 Series

4.2.2 NYS Solid Waste Regulations, 6 NYCRR 360 Series

4.2.3 Public Service Commission, PCB Inventory Reports, 16 NYCRR Part 730

4.2.4 Article 12 of the Navigation Law, State Environmental Conservation Law

4.3 New York City

4.3.1 Administrative Code, Title 16 Sanitation

4.3.2 Administrative Code, Title 24 Environmental Protection and Utilities

4.3.3 Rules, Title 3 Fire Department, Chapter 7 Bulk Oil Storage

4.3.4 Rules, Title 15 Department of Environmental Protection

4.3.5 Rules, Title 16 Sanitation

4.4 Nassau and Suffolk Counties

4.4.1 Nassau County Public Health Ordinance, Article XI, Toxic and Hazardous Materials Storage, Handling and Control

4.4.2 Nassau County Fire Prevention Ordinance, Article III

4.4.3 Suffolk County Sanitary Code, Article XII, Toxic and Hazardous Materials Storage and Handling Controls

4.5 Applicable Company Procedures

4.5.1 GO-96, Environmental Policy and General Compliance Procedure

4.5.2 GO-10284, Procedure for Management of Hazardous Wastes

4.5.3 GO- 10312 Asbestos Management Procedure

4.5.4 GO-10302, Procedure for Management of Non-hazardous Regulated Wastes

4.5.5 GO-10326, Hazard Communication Program including Procurement and Handling of Hazardous Materials

4.5.6 WM-11006, Handling Mercury Spills in a Customer's House

4.5.7 WM-12005, Handling Gas Meters, Regulators and Meter Headers Laden with Oil

4.5.8 WM-15006, Handling Gas Equipment Subjected to Powder Conditions

4.5.9 Spill Notification Directory

4.5.10 Gas System Operator, "Emergency Notification Procedures" (e.g., Gas Emergency Plan or facility specific notification procedures.)

4.5.11 NYS DEC/HWMF Part 373 Permit Application (two volumes, Company Binders, Environmental Engineering Dept.)

4.5.12 LIPA-CL&P 138kV Submarine Cable Dielectric Fluid Leak Contingency Implementing Procedures Manual

4.5.13 Distribution SOP/Environmental Guideline 12-3 Handling of Low Pressure Drip Liquids

5.0 DEFINITIONS

5.1 The definitions of terms used throughout this procedure are listed for uniformity and consistency with government regulations.

5.2 Terms

DEC (also NYSDEC) - The New York State Department of Environmental Conservation.

DISPOSAL - The discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste including PCB waste, into or on any land or water, so that such waste or any constituent thereof may enter the environment, or be emitted to the air, or discharged to any waters, including groundwater, of the State of New York (6 NYCRR 370.2(b)(43)).

DOT - The United States Department of Transportation.

ECL or ENVIRONMENTAL CONSERVATION LAW - Chapter 43-B of the Consolidated Laws of New York State, entitled the Environmental Conservation Law (6 NYCRR 370.2(b)(47)).

EPA (also USEPA) - The United States Environmental Protection Agency.

GENERATOR - Any person, by site, whose act or process produces hazardous waste as defined in 6 NYCRR Part 371 or whose act first causes a hazardous waste to become subject to regulation (6 NYCRR 370.2(b)(75)).

HAZARDOUS WASTE - Any solid or liquid waste defined in 40 CFR Part 261 and 6 NYCRR Part 371 (6 NYCRR 370.2 (b) (78)). PCBs are defined as a hazardous waste in the State of New York. Petroleum products that present or may present a threat to the quality of the drinking water supply or a hazard to human health are defined as a hazardous waste in the counties of Nassau and Suffolk. Refer to GO-10284 for additional information.

LABEL - A proper DOT shipping label as described in 49 CFR Part 172.

MANIFEST - An approved hazardous waste manifest as defined in 6 NYCRR Part 372.

MARKING - Any label, writing or other marking used to identify the contents of hazardous waste containers.

NOTIFICATIONS - Spill incident reporting as required in the Company's Spill Notification Directory. Requires internal notifications (i.e., SSO, GSO, Claims, Media, etc.) and external notifications (i.e., regulatory agencies, police, fire and rescue, etc.).

NEW YORK STATE PART 373 PERMIT - Issued by NYSDEC to operate a hazardous waste management facility in accordance with 6 NYCRR Parts 370 through 373.

PCB - Polychlorinated Biphenyl, the chemical name of a dielectric fluid marketed under various trade names. The following are regulatory classifications of PCB:

- **Non-PCB** - Equipment or material, liquid or solid, which contains less than 50 ppm PCB.
- **PCB Contaminated** - Equipment or material, liquid or solid, which contains 50 ppm or greater PCB, but less than 500 ppm PCB. Equipment or material, liquid or solid, with unknown concentrations of PCB shall be assumed to be PCB contaminated.
- **PCB** - Equipment or material, liquid or solid, which contains 500 ppm or greater PCB.

POSING AN EXPOSURE RISK TO FOOD AND FEED ESTABLISHMENTS

PCB equipment "posing an exposure risk" means being in any location where human food or animal feed products could be reasonably exposed to PCBs released from PCB equipment. EPA considers human food and animal feed to include items regulated by the U.S. Department of Agriculture or the Food and Drug Administration. Special procedures and regulations regarding spills apply in this case. Food and feed used or stored in private homes is excluded.

SMALL QUANTITY GENERATOR - a generator who generates less than 1000 kilograms of **non-acute hazardous waste** in a month and who stores less than 1000 kilograms of this waste at any one time; or a generator who generates less than one kilogram of **acute hazardous waste** in a month and stores less than one kilogram of this waste at a time (6 NYCRR 370.2(b)(154)).

NON-ACUTE HAZARDOUS WASTE - Any Hazardous waste defined in 6 NYCRR 371 except those designated as acute hazardous waste.

ACUTE HAZARDOUS WASTE - Any waste listed in 6 NYCRR, Section 371.4(d)(5) and any waste listed in Section 371(b) and 3714(c) with "H" Hazard Code (6 NYCRR 370.2(b)(6)).

NOTE

The Company does not typically generate "acute hazardous waste".

SOLID WASTE - Material defined as a solid waste in 6 NYCRR 371.1(c), including garbage refuse, sludge and other waste material. "Other solid waste" is any solid, liquid, semisolid or contained gaseous material resulting from industrial operations which is discarded or being accumulated/stored prior to being discarded. Generally, all materials used by the Company which are destined for disposal or recycling are considered solid waste.

SPILL - Any discharge or escape of material from the ordinary containers employed in the normal course of storage, transfer, processing or use (Nassau County Health Department Article XI).

SPILL CLASSIFICATIONS

Class I A Class I spill meets all the following requirements:

- Small quantity (e.g., less than 100 gallons of oil)
- Fully contained on-land either within existing secondary containment structure, within dike constructed in response to the particular event or immobilized on ground surface.
- No discharge to navigable water or storm drain.
- Material spilled is not a flammable liquid* or combustible liquid*

*NOTE A flammable liquid is a liquid with a flash point less than 100°F. A combustible liquid is a liquid with a flash point between 100°F and 200°F. (See Table 1 for typical flash points.)

Class II A Class II spill meets any of the following criteria:

- Large quantity (e.g., greater than 100 gallons of oil but less than 1000 gallons), or
- Containment of spill is questionable, or
- Material spilled is a flammable or combustible liquid (i.e., flash point less that 200°F - refer to Table 1 for typical flash points) and there is no discharge to navigable water

Class III A Class III spill meets the following criterion:

- Discharge of a small amount oil (e.g., 10 gallons or less) into navigable water occurs or is imminent.

Class IV A Class IV spill meets either of the following requirements:

- Discharge of significant amount of oil (i.e., greater than 10 gallons) into navigable water, or

- An on-land spill which threatens to significantly impact the environment (e.g., greater that 1000 gallons on-land, or a spill which materially affects private property)

Exhibit 9.8, Spill Classification Chart may be used to assist in classifying a spill.

STORAGE - The temporary containment of any hazardous waste, in such a manner as not to constitute disposal of such hazardous waste (6 NYCRR 370.2(b)(178)).

TRANSFORMER - Company transformers are mineral oil filled and may contain a very low level of PCB or none at all. There are three classes of transformers as defined by regulation and therefore are applicable to this Procedure.

1. **Non-PCB Transformer**: Transformers known to contain less than 50 ppm PCB in the dielectric oil. No transformer can be classified as non-PCB unless the dielectric fluid has been tested by laboratory analysis and found to contain less than 50 ppm PCB or the manufacturer's nameplate indicates the PCB level to be less than 50 ppm PCB. Dielectric fluid found to be non-PCB has only one disposal restriction; it cannot be used as a dust control agent. Non-PCB transformers have no servicing or storage restrictions. All transformers tested and determined to be non-PCB and all

incoming new transformers (since 1979) will be conspicuously labeled "No PCBs". See **Exhibit 9.1**.

2. **PCB Contaminated Transformer**: Transformers **with** a dielectric oil which contain 50 ppm or greater PCB but less than 500 ppm PCB. All mineral oil transformers (i.e., those purchased by the Company prior to 1979) with unknown concentrations of PCB must be assumed to be PCB contaminated unless tested and found to contain less than 50 ppm PCB or 500 ppm or greater PCB. There are no servicing restrictions or labeling requirements on existing inservice PCB contaminated transformers. A drained "PCB contaminated" transformer tank has no storage or disposal restrictions. PCB contaminated dielectric fluids must be disposed in either a licensed high efficiency boiler, an approved chemical waste landfill for solids (in bulk or in drums and stabilized with absorbent material) or in a high temperature incinerator specifically licensed for PCB destruction.
3. **PCB Transformer**: Transformers containing 500 ppm or greater PCB in the dielectric oil. The Company does not own any transformers which were designed to contain PCBs. If a transformer is found that contains 500 ppm or greater PCB, it is removed from service as soon as possible. Transformers fall into this category either by collecting a mineral oil sample and subsequent laboratory analysis or from other information available to the owner (e.g., nameplate). Any servicing that requires the removal of the core and coils from the tank is prohibited. PCB dielectric fluid must be disposed of in a permitted high efficiency incinerator. PCB transformer tanks which have been drained and properly rinsed can be disposed of in either a permitted chemical waste landfill or incinerator. These transformers will be labeled with a PCB label as shown in **Exhibit 9.2**.

TRANSPORTER - A person engaged in the off-site transportation of hazardous waste by air, rail, highway or water (6 NYCRR 370.2(b)(173)).

TREATMENT - Any method, technique, or process, including neutralization, designed to change the physical, chemical or biological character or composition of any hazardous waste to:

(i) neutralize such waste;

(ii) recover energy or material resources from the waste; or

(iii) render such waste:

(a) non-hazardous or less hazardous;

(b) safer to transport, store, or dispose of;

(c) amendable for recovery, or storage; or

(d) reduced in volume.

TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF) - A facility that is utilized to treat, store or dispose of hazardous waste and has obtained all necessary permits and approvals to operate as such. Only the Hicksville Operations Center has been designated as a TSDF and is the only Company facility permitted to store hazardous waste in excess of 90 days. No disposal activities take place at Hicksville.

WASTE GENERATING ORGANIZATION - Means any Company organization which produces a hazardous, non-hazardous or PCB waste or manages PCB equipment and materials which could result in a reportable spill.

6.0 RESPONSIBILITIES

6.1 Waste Generating Organizations, including but not limited to:

- Electric Design and Construction Department,
- Electric Service Department,
- Electric System Operations Department,
- Electric Production Department,
- Gas System Operations Department (NY),
- Gas Central Operations Department (NY),
- Gas Field Operations (NY),
- Gas Construction, Maintenance & Services Departments (LI),
- Gas System Operations Department (LI),
- Purchasing and Materials Management,
- Facilities Management Department,
- Maintenance Services Department,
- Fleet Services Department,
- Division of Staffing & Development
- T&D Project Management

NOTE

Departments, which employ contractors to supply services that may result in a spill, are responsible to see that contractor personnel meet the notification requirements of this procedure. See Section 6.17 for additional details regarding contractor requirements.

shall be responsible to;

6.1.1 With administrative assistance from Environmental Engineering and Compliance Department, or from Environmental Operations each organization shall:

- budget for spill response services, if required,
- issue a requisition for these services under the common corporate purchase order through the Accounting, Materials, Purchasing System (AMPS) (purchase order established for T&D emergency spill response),
- issue releases against the purchase order through AMPS, and
- process invoices for payment through AMPS.

6.1.2 Each waste generator organization shall advise Environmental Engineering and Compliance Department of any special requirements associated with their preparation of requisitions for emergency response services.

6.1.3 Waste generator organizations who elect to initiate emergency spill response services independently (without the assistance of Environmental Operations & Customer Support Department) shall provide to Environmental Operations & Customer Support Department a specific contact or equivalent means to initiate an emergency spill response within a maximum of two hours of the initial notification.

6.1.4 Ensure all applicable personnel receive sufficient training:

6.1.4.1 On PCBs, hazardous and non-hazardous materials/waste that the department uses or generates,

6.1.4.2 On spill cleanup consistent with the necessary level of response in accordance with 29 CFR 1910.120, where applicable and 29 CFR 1910.1200. See Section 10, Appendix D - OSHA 1910.120 Training,

6.1.4.3 Assistance may be requested from the Division of Staffing & Development Corporate Safety Services Division, or the Environmental Engineering and Compliance Department, and

6.1.4.4 With the assistance of the Division of Staffing & Development, ensure records of employee training are maintained and certifications associated with this training are available at generating sites (Operations Centers, Power Stations, etc.).

CAUTION

Spills must be reported to the DCD, (or SCC),SSO (or GSO), ESO, Environmental Operations & Customer Support Department, and to outside regulatory agencies within two hours of their occurrence or discovery. The notification must be made person to person (messages left on telephone answering devices are not acceptable).

Environmental Engineering & Compliance Department is to be notified for Class 2,3 & 4 spills (see Exhibit 9.8)only per the Spill Notification Directory

6.1.5 When a spill is observed, conduct initial defensive measures to secure the spill location to prevent, where possible, the spilled material from spreading and to minimize the potential contact by the public or other workers.

6.1.5.1 The extent of the area affected shall be immediately determined for all spills. These areas shall be adequately protected (e.g., barrier tape, traffic cones, etc.) to prevent unknowing entry by the employees, the public or residents. Personal property (e.g., vehicles, etc.) shall also be treated in this manner.

6.1.5.2 Personnel discovering an unknown spill shall treat the spill as a hazardous material spill until information of the source of the material has been ascertained or testing has indicated its hazard class.

6.1.5.3 Owners of affected property shall be notified in person, where possible. If an owner cannot be contacted in person, notification shall be made using **Exhibits 9.6** and **9.7**, Property/Vehicle Absence Notification (or similar) Letters.

6.1.5.4 Claims is be notified if the spill affects private or public property.

6.1.6 Immediately notify one of the following, as appropriate (See Appendix B "Spill Notification Flow Chart" and Section 7.3 Notifications) of the occurrence of the spill and provide information to complete the Spill Notification Checklist (**Exhibit 9.3**).

- Electric System Operator (ESO)
- Supervising Services Operator (SSO)
- Gas System Operator (GSO)
- Distribution Central Dispatching (DCD) at 718-403-2866, or 2867,
- System Control Center (SCC) at 718-403-2922, or 2923
- Central Monitoring Station (CMS) operator at 516-545-4333.
- The caller shall provide the following information:

– Nature of the emergency, to include, if possible, the source, character and amount of materials discharged.

– Location.

– If injuries are involved.

– Caller's name.

6.1.7 If properly trained supervision and personnel are present:

6.1.7.1 Initiate spill response activities in accordance with guidelines in Section 7. Consult with Environmental Operations & Customer Support and contact spill clean-up contractor, if required,

6.1.7.2 Standby at the scene to provide on-site supervision for spill cleanup contractor, if utilized,

6.1.7.3 Provide backfill to make excavated areas safe when necessary (see Section 7.6.3),

6.1.7.4 Obtain samples of dielectric fluid or other hazardous material/waste and transmit to the Environmental Operations & Customer Support Department Analytical Laboratory for analysis, and

6.1.7.5 Perform a field test (Chlor-N-Oil or approved equivalent) on oil from the leaking equipment (if the electric system is involved) when possible. This test kit is not to be used on condensate from the gas system (See Section 7.5.)

6.1.8 Where required, transport equipment and spill debris in accordance with regulations or arrange for transportation with departments that have permitted vehicles or through Environmental Operations & Customer Support Department.

6.1.8.1 Coordinate the transportation of equipment and spill debris to the Hicksville TSDF, Greenpoint Hazardous Waste Storage Area, Canarsie Service Center or Staten Island Service Center through the Environmental Operations & Customer Support Department -

Hazardous Materials Supervisor. Material generated in New York City should only be transported to the work-out location from which the truck originated.

6.1.8.2 Coordinate the preparation and signature of a hazardous waste manifest or shipping paper, as applicable, in accordance with GO-10284 and with the assistance of Environmental Operations & Customer Support Department, or the spill response contractor.

6.1.9 Any Employee at the scene of a spill shall not sign any forms from governmental agencies on the scene. If necessary, advise the appropriate officials that the Company's Legal Department must first review these forms. Environmental Engineering and Compliance and the Legal Department shall be notified immediately under these circumstances.

6.2 Environmental Operations & Customer Support Department shall be responsible to:

6.2.1 Develop and implement disposal contracts with qualified vendors for the transport and disposal of PCB and hazardous and non-hazardous regulated waste, with assistance from Environmental Engineering and Compliance.

6.2.2 Manage the Bulk Non-hazardous Oil Spill Debris Facility in accordance with applicable solid waste regulations.

6.2.3 Implement all provisions related to PCB and hazardous and non-hazardous waste management as detailed in the Hicksville Operations Center Part 373 Permit as follows:

6.2.3.1 Accept all properly identified, packaged and labeled wastes and debris,

6.2.3.2 Inspect all incoming wastes to insure that the materials are properly identified, packaged and labeled,

6.2.3.3 Ensure that all waste materials received are promptly placed into appropriate storage areas, and maintain storage areas in accordance with the applicable regulations,

6.2.3.4 Sample waste materials as required,

6.2.3.5 Secure all storage areas,

6.2.3.6 Maintain an inventory of all PCB and hazardous waste materials received, including sampling results,

6.2.3.7 Maintain records for a minimum of five (5) years,

6.2.3.8 Maintain a copy of all incoming and outgoing waste manifests,

6.2.3.9 Perform inspections of waste storage areas as detailed in the 373 Permit, and

6.2.3.10 If problems are discovered during inspections, they are to be logged and corrective actions taken and signed off by appropriate supervisory personnel.

6.2.4 In accordance with G.O.10284 and the Hicksville Part 373 Permit requirements, if applicable, take appropriate corrective action in the event of an emergency situation, i.e., spills, fires, etc.

6.2.5 If a spill of PCB, hazardous, or non-hazardous waste occurs, spill notifications will be made in accordance with the Spill Notification Report (**Exhibit 9.4**), the Contingency Plan for the Hicksville Operations Center, and the Spill Notification Directory for all other locations.

6.2.6 Provide spill response and initial regulatory notifications for responsible departments, where appropriate.

6.2.6.1 Perform initial government agency notification on spill incidents in conformance with the Spill Notification Directory.

6.2.6.2 Initiate emergency spill response services when notified of a non-fuel oil (Electric Production) spill for all waste generator organizations, unless otherwise directed by an individual waste generator organization. See Section 6.1. (Waste Generator Organization Responsibilities).

6.2.6.3 Perform sampling for PCB and/or hazardous materials at spill incidents to determine extent of contamination and to verify spill cleanup, as necessary.

6.2.6.4 Provide analytical services for the identification of PCB and hazardous materials associated with spill incidents.

6.2.6.5 Provide spill cleanup services for small land based spills that do not require a cleanup contractor.

6.2.6.6 Direct, coordinate and provide field supervision of spill contractor.

6.2.6.7 Develop and maintain a spill-tracking program.

6.2.6.8 Complete the Spill Incident Report (**Exhibit 9.4**) and the Spill Incident Form (SND TAB I), and when complete send copy to Environmental Engineering & Compliance Department

6.2.6.9 Notify Claims when necessary for restoration of private property damaged by spills and cleanup operations.

6.2.6.10 Notify Public Relations if potential media impact results from incident.

6.2.7 Provide for the transportation of waste through Environmental Operations & Customer Support Department :

6.2.7.1 Prepare eight (8) page NYS Hazardous Waste Manifest in accordance with GO-10284,

6.2.7.2 Ensure that transportation of PCB and hazardous wastes is accomplished by permitted vehicles and that transporter is familiar with requirements under 49 CFR Parts 172 through 178, and 6 NYCRR Part 364,

6.2.7.3 Arrange for disposal of PCBs and hazardous and non-hazardous wastes to authorized disposal facility(s),

6.2.7.4 Contact disposer contracted for the particular waste and establish schedule for pickup,

6.2.7.5 Check 6 NYCRR Part 364 Permit of contractor transporter for valid permit identifying waste classification and disposal site identification,

6.2.7.6 Prepare all waste materials for disposal, record all waste ID numbers and all other pertinent information,

6.2.7.7 Assist affected department in the proper preparation of manifests for non-hazardous waste,

6.2.7.8 Obtain transporter's signature on manifest and ensure that all entries are legible,

6.2.7.9 Ensure that shipment of waste arrives at the designated TSD facility on schedule,

6.2.7.10 Forward certificates of disposal or recycle and other requisite documentation to regulatory agencies to close out active spills, when requested,

6.2.7.11 Forward appropriate copies of manifests to Environmental Engineering and Compliance; retain photocopies of manifests at the generating facility, and

6.2.7.12 Notify all appropriate regulatory agencies as required regarding waste shipments not in compliance with applicable regulations or consistent with manifesting requirements.

6.2.8 Provide on-the-job training, OSHA training, refresher training and other appropriate training for Environmental Operations & Customer Support Department personnel involved with the handling of PCB waste materials.

6.2.8.1 Maintain training records for individuals trained. Records are to be kept a minimum of five (5) years.

6.3 Environmental Engineering and Compliance Department shall be responsible to:

6.3.1 Ensure compliance with Federal, State and local regulations related to the management of PCBs and hazardous and non-hazardous materials/wastes,

6.3.2 Act as regulatory liaison to ensure overall compliance with regulations,

6.3.3 Review periodically this procedure (GO-10329) and all other relevant corporate procedures and update as necessary or at least every three years,

6.3.4 Revise procedures and PCB and hazardous and non-hazardous material/waste management practices to insure compliance with revised regulations,

6.3.5 Support operations at the Company facilities involved in PCB and hazardous and non-hazardous material management to insure regulatory compliance and compliance with procedures,

6.3.6 Obtain all necessary Federal, State and local permits;

6.3.6.1 Secure NYS Part 364 permits, as requested, for the transport of PCB and hazardous materials,

6.3.6.2 Every five years and when required, revise the NYS Part 373 permit for the Hicksville Operations Center to facilitate PCB and hazardous waste management,

6.3.7 Provide technical and management assistance and/or regulatory interface for responsible departments for spill incidents, where appropriate;

6.3.7.1 Provide technical assistance to responsible departments on spill clean up techniques, as required,

6.3.7.2 Manage long term remediation efforts and analyses beyond initial cleanup.

6.3.8 Work with Purchasing in the development of contracts related to the management of PCBs and hazardous and non-hazardous waste;

6.3.8.1 Prepare and maintain a Corporate wide specification for non-fuel oil emergency and non-emergency spill response to establish one purchase order for use by the "waste generating organizations" described in this procedure,

6.3.8.2 Develop technical specifications for contracts related to the disposal of PCBs and hazardous and non-hazardous wastes (including waste oil and oily rags),

6.3.8.3 Develop technical specifications for contracts related to the cleanup of PCBs and hazardous and non-hazardous waste spills,

6.3.8.4 Review qualifications and proposals of transporters, disposers and other contractors involved with the management of PCBs and hazardous and non-hazardous wastes in conjunction with the

Purchasing, Environmental Operations & Customer Support and, as necessary, Waste Generating Organizations,

6.3.9 Prepare and file reports to appropriate government agencies and other Company organizations as follows;

6.3.9.1 Monthly reports to LIPA of spills and other T&D activities,

6.3.9.2 Bi-annually, the PSC PCB report for the management of PCB items,

6.3.9.3 Toxic Substances Control Act (TSCA) Annual PCB Document Log for the management of PCB waste material,

6.3.9.4 Annual New York State and County Hazardous Waste Generator reports for Company waste generators and for the Hicksville Operations Center as a TSD facility,

6.3.9.5 Provide quarterly reports to the Tax Department entailing the type and amount of PCB wastes disposed of during the preceding quarter.

6.3.10 Manage documentation related to spill close-out reporting to regulatory agency as follows;

6.3.10.1 Develop and maintain a tracking system for the manifests,

6.3.10.2 Forward appropriate copies of manifests to state agencies.

6.3.11 Along with Environmental Operations & Customer Support, assist requesting departments in developing and conducting training programs on PCB and hazardous and non-hazardous waste management and spill cleanup, either directly or through the Division of Staffing & Development,

6.4 Facilities Management Department shall be responsible to:

6.4.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.4.2 Notify the area Central Monitoring Station (CMS), DCD or SCC of a spill immediately upon discovery and provide information for CMS, DCD or SCC to complete Spill Notification Checklist (**Exhibit 9.3**).

6.4.3 Ensure CMS/DCD/SCC notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department.

6.4.4 Provide field support and access to responding organizations in the event of a spill from the Facilities Equipment or support contractors at Common Plant Facilities.

6.5 Electric System Operations Department shall be responsible to:

6.5.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.5.2 If Electric System Operations Department personnel discover a spill, notify the Electric System Operator (ESO) immediately upon discovery and provide information for ESO to complete Spill Notification Checklist (**Exhibit 9.3**),

6.5.3 The ESO will notify Environmental Operations & Customer Support Department per the SND TAB I for all spill incidents at power stations and substations. Notify Environmental Engineering & Compliance Department if the spill is Class 2, 3 or 4 (**see Exhibit 9.8**) per the SND TAB I.,

6.5.4 The ESO may request spill class verification or assistance from Environmental Operations & Customer Support, if necessary,

6.5.5 If necessary, the ESO will request Environmental Operations & Customer Support to notify the emergency spill clean-up contractor,

6.5.6 The ESO will notify the appropriate regulatory agencies in accordance with the Spill Notification Directory,

6.5.7 The ESO will complete a Spill Incident Form in accordance with Tab I of the Spill Notification Directory and forward a copy to Environmental Operations & Customer Support Department.

6.6 Electric Design and Construction Department (ED&C) shall be responsible to:

6.6.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.6.2 If ED&C Department personnel discover a spill, notify the area Supervising Service Operator (SSO) of a spill immediately upon discovery and provide information for SSO to complete Spill Notification Checklist (**Exhibit 9.3**),

6.6.3 Ensure SSO notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department,

6.6.4 Provide field support in the event of a spill from the electric transmission and distribution system.

6.7 Electric Service Department shall be responsible to:

6.7.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.7.2 If Electric Service Department personnel discover a spill, notify the area Supervising Service Operator (SSO) of a spill immediately upon discovery and provide information for SSO to complete Spill Notification Checklist (**Exhibit 9.3**),

6.7.3 If a spill is observed from the electric transmission and distribution system, request the support of Electric Design and Construction Department (as necessary) and standby at the spill location until their arrival,

6.7.4 When a spill is reported to the SSO, the SSO shall obtain the information outlined in Spill Notification Checklist (**Exhibit 9.3**) and promptly notify Environmental Operations & Customer Support Department per SND TAB I, to perform initial regulatory notifications. Environmental Engineering & Compliance is to be notified if the spill is Class 2,3, or 4 (**see Exhibit 9.8**) per the SND TAB I,

6.7.5 The SSO will also request that appropriate spill cleanup equipment be brought to spill location for use by Electric Design and Construction or will contact the outside cleanup contractor and arrange for supervision of contractor's activities as necessary, until arrival of Electric Design and Construction personnel,

6.8 Electric Production Department shall be responsible to:

6.8.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.8.2 If Electric Production Department personnel discover a spill, notify the Electric System Operator (ESO) of a spill immediately upon discovery and provide information for ESO to complete Spill Notification Checklist (**Exhibit 9.3**).

6.8.3 Ensure ESO notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department.

6.8.4 If a spill is observed from the electric transmission and distribution system, request the support of Electric Design and Construction Department (as necessary) and standby at the spill location until their arrival.

6.9 Gas System Operations Department (LI) shall be responsible to:

6.9.1 As a waste generator organization, meet the responsibilities of Section 6.1 and,

6.9.2 Notify the Gas System Operator (GSO) of a spill or discharge of liquids (e.g., natural gas condensates or oil) or powder immediately upon discovery and provide information for GSO to complete the Spill

Notification Checklist (**Exhibit 9.3**). Provide information as indicated in Gas Plant Emergency Action Procedure.

6.9.3 The GSO will notify Environmental Operations & Customer Support Department per the SND TAB I for all spills and provide information concerning the spill or release as outlined in the Spill Notification Checklist (**Exhibit 9.3**.) Notify Environmental Engineering & Compliance Department for spill classes 2, 3 & 4 (**see Exhibit 9.8**)per the SND TAB I.

6.9.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up contractor notification.

6.9.5 At any time during normal operations, if liquids or solids (dust) are found in the gas system, a sample shall be collected and forwarded to the Analytical Laboratory for analysis. Testing should be done for concentration of Benzene. Copies of all results shall be provided to Environmental Engineering and Compliance Department. If the frequency of occurrence is considered unusually high, the operating department shall contact Environmental Operations & Customer Support Department to jointly determine a suitable sampling frequency.

6.10 Gas Construction, Maintenance, and Services Departments shall be responsible to:

6.10.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.10.2 Notify the Gas System Operator (GSO) of a spill or discharge of liquids (e.g., natural gas condensates or oil) or powder immediately upon discovery and provide information for GSO to complete Spill Notification Checklist (**Exhibit 9.3**).

6.10.3 Ensure GSO notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance.

6.10.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up contractor notification.

6.10.5 At any time during normal operations, if liquids or solids (dust) are found in the gas system, a sample shall be collected and forwarded to the Analytical Laboratory for analysis. Testing should be done for concentration of Benzene. Copies of all results shall be provided to Environmental Engineering and Compliance Department. If the frequency of occurrence is considered unusually high, the operating department shall contact Environmental Operations & Customer Support Department to jointly determine a suitable sampling frequency.

6.11 Gas System Operations (NY)

6.11.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.11.2 Notify the System Control Center (SCC) or Distribution Central Dispatching (DCD) of a spill or discharge of liquids (e.g., natural gas condensates or oil) or powder immediately upon discovery and provide information for SCC/DCD to complete the Spill Notification Checklist (**Exhibit 9.3**).

6.11.3 Ensure SCC/DCD notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department.

6.11.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up or cleanup contractor notification.

6.11.5 At any time during normal operations, if liquids or solids (dust) are found in the gas system, a sample shall be collected and forwarded to the Analytical Laboratory for analysis. Testing should be done for concentration of Benzene. Copies of all results shall be provided to Environmental Engineering and Compliance Department. If the frequency of occurrence is considered unusually high, the operating department shall contact Environmental Operations & Customer Support Department to jointly determine a suitable sampling frequency.

6.12 Gas Central Operations (NY), and Gas Field Operations (NY)

6.12.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.12.2 Notify the System Control Center (SCC) or Distribution Central Dispatching (DCD) of a spill or discharge of liquids (e.g., natural gas condensates or oil) or powder immediately upon discovery and provide information for SCC/DCD to complete the Spill Notification Checklist (**Exhibit 9.3**).

6.12.3 Ensure SCC/DCD notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department.

6.12.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up or cleanup contractor notification.

6.12.5 At any time during normal operations, if liquids or solids (dust) are found in the gas system, a sample shall be collected and forwarded to the Analytical Laboratory for analysis. Testing should be done for

concentration of Benzene. Copies of all results shall be provided to Environmental Engineering and Compliance Department. If the frequency of occurrence is considered unusually high, the operating department shall contact Environmental Operations & Customer Support Department to jointly determine a suitable sampling frequency.

6.13 Fleet Services Department shall be responsible to:

6.13.1 As a waste generator organization, meet the responsibilities of Section 6.1, and:

6.13.2 Notify the System Control Center (SCC) or Central Monitoring Station (CMS) of a spill immediately upon discovery and provide information for SCC/CMC to complete the Spill Notification Checklist (**Exhibit 9.3**).

6.13.3 Ensure SCC/CMS notifies Environmental Operations & Customer Support Department and if required the Environmental Engineering & Compliance Department.

6.13.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up or cleanup contractor notification.

6.13.5 Provide field support and access to responding organizations in the event of a spill from the Fleet equipment or facility.

6.14 Maintenance Services Department shall be responsible to:

6.14.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.14.2 Notify the area Supervising Service Operator (SSO) for Distribution System spills or the Electric System Operator (ESO) for Substation or Generating Plant spills immediately upon discovery and provide information for SSO/ESO to complete Spill Notification Checklist (**Exhibit 9.3**),

6.14.3 Ensure ESO/SSO notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department.

6.14.4 If necessary, request Environmental Operations & Customer Support Department support to initiate emergency spill clean-up or cleanup contractor notification.

6.14.5 Provide field support and access to responding organizations in the event of a spill from the Fleet equipment or facility.

6.15 Purchasing Section of Purchasing and Materials Management shall be responsible to:

6.15.1 Obtain services of qualified contractors to perform transport, disposal and spill cleanup services related to the management of PCB and hazardous and non-hazardous waste,

6.15.2 Forward all vendor qualification statements, bid solicitations, contractor proposals, contracts and permits to Environmental Engineering and Compliance for technical approval.

6.16 Claims shall be responsible to:

6.16.1 Make restoration arrangements for private property when directed by the SSO, GSO, ESO, Environmental Operations and Customer Support or Environmental Engineering and Compliance.

6.17 Division of Staffing & Development shall be responsible to:

6.17.1 Provide training to Company personnel for non-fuel oil spills to meet the federal, state and local regulations in this procedure.

6.18 Corporate Safety Services Division shall be responsible to:

6.18.1 Establish the training requirements to ensure protection of workers when responding to spills and handling OSHA hazardous materials.

6.19 Contractors providing services which may cause spills:

6.19.1 Notify the Company department with direct supervisory responsibility for the services being provided. Alternatively or if so directed, notify the Supervising Service Operator (SSO), Electric System Operator (ESO), Gas System Operator (GSO), System Control Center (SCC), Distribution Central Dispatching or the Central Monitoring Station (CMS) Operator, as appropriate, of the occurrence of the spill, and provide information to complete the Spill Notification Checklist (**Exhibit 9.3**).

CAUTION

Contractors must assure that all spills are reported to Environmental Operations Department within two hours of their occurrence or discovery. The notification must be made person-to-person (messages left on telephone answering devices are not acceptable).

6.19.2 Stand-by at the scene to ensure impacted or contaminated areas are secure and safe until Company supervision or response support arrives.

6.20 Departments employing contractors which may cause spills:

6.20.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.20.2 Ensure contractors are informed of their responsibilities as outlined in Section 6.1 and 6.16 of this procedure,

6.20.3 When notified of a spill by a Company contractor, obtain the necessary information to complete the Spill Notification Checklist (**Exhibit 9.3**),

6.20.4 Notify the Supervising Service Operator (SSO), Electric System Operator (ESO), Gas System Operator (GSO), System Control Center (SCC), Distribution Central Dispatching (DCD) or the Central Monitoring Station (CMS) Operator, as appropriate, of the occurrence of the spill and provide information to complete the Spill Notification Checklist (**Exhibit 9.3**),

6.20.5 Ensure the SSO/ESO/SCC/DCD/CMS notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department,

6.20.6 Initiate spill response activities in accordance with guidelines in Section 7.0. Contact the SSO, ESO, GSO or CMS for assistance, if required (e.g., spill clean-up contractor). Standby at the scene to provide on-site supervision for spill cleanup contractor, if utilized. Support clean-up activities, if required,

6.20.7 Ensure appropriate cost documentation is obtained and action is initiated for reimbursement of costs from the contractor.

6.21 T&D Project Management shall be responsible to:

6.21.1 As a waste generator organization, meet the responsibilities of Section 6.1, and,

6.21.2 If T&D Project Management Department personnel discover a spill, notify the area Supervising Service Operator (SSO) of a spill immediately upon discovery and provide information for SSO to complete Spill Notification Checklist (**Exhibit 9.3**),

6.21.3 Ensure SSO notifies Environmental Operations & Customer Support Department, and if required the Environmental Engineering & Compliance Department,

7.0 INSTRUCTIONS

7.1 General

7.1.1 This section provides guidelines to be followed by Company personnel when dealing with spills from equipment, containers, tanks, vehicles, etc. Certain types of equipment on the Company gas and electric systems may contain PCB's.

7.1.2 **Transformers**

All fluid containing Company transformers contain mineral oil. There are three categories of transformers as defined by EPA.

Non-PCB Transformers - Those which have been tested and found to contain less than 50 ppm PCB or have a manufacturers nameplate stating that the unit contains less than 50 ppm PCB. Those determined (by laboratory testing) to be non-PCB are identified with the Company's "No PCB" label (See **Exhibit 9.1**).

PCB Contaminated Transformers - Transformers which were not specified to contain PCBs but contain another dielectric fluid such as mineral oil and are greater than 50 ppm PCB but less than 500 ppm PCB. No labeling is required on existing inservice PCB contaminated transformers. All mineral oil transformers must be considered "PCB Contaminated" unless tested and found to contain either less than 50 ppm PCB or greater than 500 ppm PCB.

PCB Transformers - Those purchased to contain PCBs such as an Askarel Transformer, were serviced with dielectric fluids containing 500 ppm or greater PCB, or are otherwise known to contain 500 ppm or greater PCB. The Company did not knowingly purchase any transformers that were designed to contain PCBs. If any transformer is found to contain 500 ppm or greater PCB by laboratory analysis, it is either replaced with a non-PCB transformer or serviced to replace the mineral oil.

7.1.3 Capacitors

Generally, all distribution and substation capacitors now contain a non-PCB dielectric fluid. All PCB capacitors on the distribution system were replaced with non-PCB types prior to October 1, 1988. Non-PCB capacitors can be identified as such by the manufacturer's label or by a company "No-PCB's" sticker (see **Exhibit 9.1**).

However, caution should be taken to ensure that no PCBs are present. Any capacitor whether in a substation or on the distribution system, not properly identified shall be treated as "PCB" until a laboratory test is conducted.

7.1.4 Other Electrical Equipment

All other electric equipment (such as oil circuit breakers) or oil recovered from electric equipment or spills, is categorized and labeled in the same manner as transformers, i.e., PCB (greater than 500 ppm PCB), PCB contaminated (50-500 ppm PCB) or non PCB (less than 50 ppm PCB).

7.1.5 Gas Piping and Equipment

Any natural gas condensate, oil, or powders (dusts) found in gas piping and equipment shall be considered "PCB Contaminated" (50-500 ppm PCB) unless a laboratory test is conducted to determine the PCB concentration. Gas line drip waters may be treated as non-PCB in accordance with historical results of laboratory tests. However, gas line drip waters may contain other contaminates which make it a hazardous waste such as benzene or lead.

7.1.6 Oil Filled Cables

Oil filled transmission pipe-type cables should be considered non-PCB. This is based on repeated samples tested to date. Environmental Engineering may request additional samples after any spill.

7.1.7 Mercury sealed gas pressure regulators contain one to three ounces (by weight) of mercury. Retired mercury sealed gas pressure regulators are a hazardous waste. The mercury also is a hazardous waste if it is spilled outside the regulator body. Spills from mercury sealed gas pressure regulators shall be handled by trained personnel in accordance with WM-11006, Handling Mercury Spills in a Customer's House".

7.2 Initial Actions

Immediately upon discovery of any spill from equipment, containers, tanks vehicles, etc., the Company employee should:

7.2.1 Assess extent of the spill and initiate notifications (per Section 7.3).

7.2.2 Secure the area wherever possible by means of caution tape, security cones, etc. (Barricade tape is an M&S item - No. 509002)

7.2.3 Assess the extent of potential health and physical hazard, including the extent of equipment damage.

7.2.4 Determine PCB status if nameplates or labels are on equipment and intact.

7.2.5 Attempt to secure the source of the spill, obtain a sample for PCB analysis and if leak is from a transformer, perform a field test (per Section 7.5) if:

- You are familiar with the hazards (physical and chemical) of the spilled material.
- You have the appropriate personal protective equipment (if applicable).
- You have the proper level of OSHA training (as applicable).

7.2.5 Contain the spill to its present affected area by application of speedi-dry (oil-dry) or earthen dikes around the perimeter of the spill or by placing plastic around or below leaking equipment, containers or tanks.

CAUTION

At no time should any employee endanger their own safety while initially trying to secure a spill.

7.3 Notifications

The type and location of the affected equipment shall determine notifications. See Section 10, Appendix B - Spill Notification Flow Chart for an illustration of the notification process.

The type of information needed to be conveyed includes but is not limited to the following:

- Time and location of spill (include cross street and pole numbers)Equipment responsible and amount of fluid
- What was impacted by the spill (storm drain, water, vehicles, roadways, private property, etc.)
- Results of field test for PCB (taken only of transformer oil) and lab sample number
- Immediate actions taken/assistance required
- Cause of spill, e.g., equipment failure, vehicle accident, etc.

This information is the minimum that will be needed to provide guidance to field crews and inform regulatory agencies. The more complete the information, the better procedures and information can be provided to support field crews in the event of a spill incident. Such information as transformer manufacturer, the quantity of oil spilled, private property, etc. can be essential.

CAUTION

All spills shall be reported immediately in accordance with instructions provided below, in the Spill Notification Directory and various other Contingency Plans.

* * * * * * * * * * *

Failure to report a spill may be a violation of Federal, State or County Regulations, Laws or Codes.

7.3.1 Electric Distribution System

7.3.1.1 The Company employee who discovers a spill from any electrical equipment on the distribution system shall notify the Supervising Service Operator (SSO) for that division, by providing information required by the Spill Notification Checklist (**Exhibit 9.3**).

NOTE

Notification of regulatory agencies must be completed within two hours of the discovery of a spill.

7.3.1.2 The SSO shall utilize the Spill Notification Checklist (**Exhibit 9.3**) and prompt the reporting individual so as much information as possible may be obtained. A copy of this form, when completed shall be forwarded to Environmental Operations & Customer Support.

7.3.1.3 The SSO shall then notify Environmental Operations & Customer Support for all spills and Environmental Engineering for spill classes 2,3 &4 (**see Exhibit 9.8**) as described in the Spill Notification Directory Tab I and provide information from the Spill Notification Checklist.

7.3.1.4 In the case where all information is not immediately available, the SSO should make the above notifications with preliminary information and forward additional details at a later time.

7.3.1.5 Environmental Operations & Customer Support shall make all required initial governmental and regulatory agency notifications

as per the Spill Notification Directory (SND).

7.3.1.6 Environmental Operations & Customer Support shall complete a Spill Incident Report (**Exhibit 9.4**) and the Spill Incident Form (SND TAB I) for each occurrence for use in spill tracking.

7.3.2 Substations and Generating Stations

7.3.2.1 The Company employee who discovers a spill from any piece of electric equipment, containers, tanks, etc. within a substation or generating station shall notify the Electric System Operator (ESO), by providing information required by the Spill Notification Checklist (see **Exhibit 9.3** and Section 7.3.1.1).

NOTE

Notification of regulatory agencies must be completed within two hours of the discovery of a spill.

7.3.2.2 The ESO shall utilize the Spill Notification Checklist (**Exhibit 9.3**) and prompt the reporting individual so as much information as possible may be obtained. A copy of this form, when completed shall be forwarded to Environmental Operations & Customer Support.

7.3.2.3 The ESO shall make required notifications as per the Spill Notification Directory (SND) and complete the Spill Incident Form in Tab I of the SND.

7.3.2.4 In the case where all information is not immediately available, the ESO should make the notifications with preliminary information and forward additional details at a later time.

7.3.2.5 Environmental Operations & Customer Support shall complete a Spill Incident Report (**Exhibit 9.4**) for each occurrence for use in spill tracking

7.3.3 Gas System

7.3.3.1 The Company employee who discovers a spill or release of fluid or powder (dust) from gas equipment or piping shall notify the Gas System Operator (GSO) for LI and the System Control Center

(SCC) or Distribution Central Dispatching (DCD) for NY, by providing information required by the Spill Notification Checklist (see **Exhibit 9.3** and Section 7.3.1.1).

7.3.3.2 The GSO/SCC/DCD shall utilize the Spill Notification Checklist (**Exhibit 9.3**) and prompt the reporting individual so as much information as possible may be obtained. A copy of this form, when completed shall be forwarded to Environmental Operations & Customer Support.

7.3.3.3 The GSO/SCC/DCD shall make required notifications as described in existing "Gas Emergency Procedures".

7.3.3.4 The GSO/SCC/DCD shall then notify Environmental Operations & Customer Support for all spills and Environmental Engineering for spill classes 2, 3 &4 (**see Exhibit 9.8**) as described in the Spill Notification Directory Tab I

7.3.3.5 In the case where all information is not immediately available, the GSO/DCD/SCC should make the notifications with preliminary information and forward additional details at a later time.

NOTE

Notification of regulatory agencies must be completed within two hours of the discovery of a spill.

7.3.3.6 Environmental Operations & Customer Support shall make all required initial governmental and regulatory agency notifications as per the Spill Notification Directory (SND).

7.3.3.7 Environmental Operations & Customer Support shall complete a Spill Incident Report (**Exhibit 9.4**) and the Spill Incident Form (SNF TAB I) for each occurrence for use in spill tracking.

7.3.4 KeySpan Operations Centers or Other Field Sites

7.3.4.1 The Company employee who discovers a spill from any company equipment at an Operations Center or other field location not covered by the above sections shall notify the Central Monitoring Station (CMS) for LI locations, or the System Control Center

(SCC) or Distribution Central Dispatch (DCD) for NY locations, by providing information required by the Spill Notification Checklist (see **Exhibit 9.3** and Section 7.3.1.1).

7.3.4.2 The CMS/SCC/DCD shall utilize the Spill Notification Checklist (**Exhibit 9.3**) and prompt the reporting individual so as much information as possible may be obtained. A copy of this form, when completed shall be forwarded to Environmental Operations & Customer Support.

7.3.4.3 The CMS/SCC/DCD shall then notify Environmental Operations & Customer Support for all spills and Environmental Engineering for spill classes 2,3 &4 (**see Exhibit 9.8**)as described in the Spill Notification Directory Tab I

7.3.4.4 In the case where all information is not immediately available, the CMS/SCC/DCD should make the above notifications with preliminary information and forward additional details at a later time.

7.3.4.5 Environmental Operations & Customer Support shall make all required initial governmental and regulatory agency notifications as per the Spill Notification Directory (SND).

7.3.4.6 Environmental Operations & Customer Support shall complete a Spill Incident Report (**Exhibit 9.4**) and the Spill Incident Form (SND TAB I) for each occurrence for use in spill tracking.

7.4 Worker Handling and Protection

7.4.1 This section has been prepared to assist employees in the selection and use of personal protective equipment when engaged in spill cleanup response.

7.4.2 The personal protective equipment supplied in the "Personal Protective Kit" (M&S No. 00101701) will afford protection against oil/PCBs which can become airborne or that can contact the skin and clothing or get into the eyes. Any item in the kit used in a PCB cleanup shall be considered contaminated and shall be disposed along with other cleanup debris. Hand tools such as wrenches, shovels, etc., shall be wiped with a clean rag soaked in "oil cleaner" (M&S No. 00126053) and can be reused. Employees who are engaged in cleanup activities are advised to wash their hands and exposed skin before eating, drinking, smoking or using toilet facilities, during and after a cleanup.

CAUTION

Action taken to cleanup a hazardous material or waste (including PCB) spill may require OSHA training in accordance with 29 CFR 1910.120. Each organization shall determine with Corporate Safety Services Division the required level of OSHA training to respond to spills of material which is routinely handled.

7.4.3 It is recommended that during a cleanup involving an ongoing or recent spill, gloves, boots, monogoggles and coveralls be worn so as to eliminate personal body or clothing contamination. However, the only mandatory equipment to be worn is rubber gloves, disposable boots and monogoggles.

Oil Spill Personal Protective Kits (M&S No. 00101701)

1. Chemical Resistant Coveralls
2. Monogoggles
3. Rubber Gloves
4. Rubber Boots
5. Organic Vapor Respirator

7.4.4 On spills involving PCB capacitors (i.e., at substations) which have completely blown the bottoms out and fluid has been released over a large area, it is recommended that the organic vapor respirator be worn. Employees involved in these cleanups should rotate work activity between individuals so that fresh air breaks can be taken with greater frequency than normal workdays.

7.4.4 In situations where there has been a PCB capacitor fire or for high concentration PCB spills in confined spaces, special respiratory protection is warranted. Contact Environmental Operations & Customer Support for the appropriate response action and cleanup support. In these situations, the appropriate initial response is immediate evacuation to a suitable upwind location.

7.4.5 Personal protective equipment recommended during normal operations involving PCB liquids and dusts are as follows:

7.4.5.1 Liquids –

Workers should wear impenetrable gloves, such as rubber or neoprene (M&S 00541 series) when handling contaminated tools or equipment. Disposable coveralls (M&S #00136300) may be

worn when working in contaminated areas. If the scope of work requires long term exposure, respirators (M&S #00557034) with organic vapor cartridges (M&S #00557037) may be worn provided the worker has undergone Corporate Respirator Training and has been proven medically fit to wear a respirator. Organic vapor cartridge respirators are NOT adequate for confined space work. Appropriate confined space procedures MUST be followed for such conditions.

7.4.5.2 Dusts –

Workers should wear impenetrable gloves or work gloves (provided they are dedicated to PCB dust related tasks) when handling dusts that may contain PCBs. If exposure is prolonged, workers may wear disposable dust masks (M&S #00501164) and disposable coveralls (M&S #00524500 series). Protective goggles are also recommended (M&S #00542166).

7.4.6 In the event of spills of hazardous or non-hazardous material/waste, Environmental Operations should be contacted for specific instructions and precautions.

7.5 Sampling

7.5.1 For transformers not identified by nameplate or labeling as "No PCBs" a "Quick Kit" (Chlor-N-Oil Field Test Kit For Transformer Oils or approved equivalent) should be used to obtain preliminary results.

7.5.1.1 If a clean sample can be obtained directly from the transformer, the "Quick Kit" analysis can be used to determine if the PCB content in the oil is less than, or greater than, 50 ppm (the actual number is probably closer to 40 ppm).

7.5.1.2 These "Quick Kits" are stored at each of the Riverhead, Brentwood, Hicksville and Hewlett Customer Service Departments and are available through storerooms as M&S Stock Item Number 00101008. (NOTE: only the 50 ppm range kit should be used, a 500 ppm kit is available but should not be used for initial testing.) These kits enable Company crews to have an immediate determination of possible PCB's in the oil contained in electrical equipment involved in spills or requiring field servicing.

7.5.1.3 The "Quick Kits" are subject to interferences which may lead to "false positive" results. Field experience has shown that water, burnt oil, salt spray, sweat, poor kit storage conditions (heat) and expired shelf life often yield false positive results. Be sure to check the expiration date indicated on the end of the box. It should be noted that the kit actually measures chloride, not PCB. If a

positive result is obtained, the test should be repeated to confirm the positive result indicating the oil may contain 50 ppm or greater PCB.

7.5.2 Regardless of component labeling or "Quick Kit" results, a sample for analysis at the Analytical Laboratory shall be taken from each spill. A Sampling Kit has been assembled for use, and is a stock item (M&S No. 00101702). The kit provides all the necessary equipment needed to take either an oil, soil or swab sample. Instructions for proper sampling are contained in the kit as well as a sample label which should be used so that analysis can be tracked back to the piece of equipment sampled.

7.5.2.1 Fluid samples should contain a minimum of 1 ounce of liquid in a sample jar and placed in a sample bag with a properly completed label affixed.

7.5.2.2 Soil or Solids (dust) samples should be taken with a clean sampling device (e.g. tongue depressor) and placed in the provided sample jar which should be filled. The jar should then be placed in a sample bag and label affixed.

7.5.2.3 Swab or Wipe samples should be taken by wiping the surface to be sampled with a 12 ply, 3 inch x 3 inch sterile gauze pad (saturated with hexane) on a surface of 100 sq. cm. (about 4 x 4 inches). The swabs should then be packaged in a sample vial, labeled with a description of the location.

7.5.3 All samples regardless of "non PCB" labeling or "Quick Kit" results must be sent to the Analytical Laboratory for complete analysis by gas chromatography for confirmation. Analytical results will be telephoned back to the sampling department within several hours to several days depending on work load and priority.

7.5.4 For all spills into soils beneath pad mount transformers or any spill requiring excavation below 12 inches, post clean up soil samples must be taken for either PCB or oil and grease/TPH analysis.

7.5.5 Any gas line drip liquids must be sampled and sent to the Analytical Laboratory for analysis. Gas line drip liquids including water may contain benzene in excess of .5 ppm and as a result may be considered a hazardous waste. See Reference 4.5.13 for additional information.

7.6 Cleanup

Cleanup and disposal may be by Company personnel, or an outside vendor may be used. Environmental Operations & Customer Support has established contracts with approved vendors. The Spill Notification Directory contains a listing of the qualified vendors. However, prior to calling an outside vendor it

should be verified with Environmental Operations and Customer Support that the particular vendor is still approved for use and a valid contract is in existence.

7.6.1 Spill Supervision:

In most cases, the Field Supervisor of the response crew (or Environmental Operations & Customer Support if involved), will have control over the timing, type and extent of cleanup. In severe spills or those PCB spills where Environmental Operations & Customer Support's participation is necessary, Environmental Operations & Customer Support will determine the type and extent of cleanup. In the event Regulatory Agencies are present, (Nassau County Health Department; Suffolk County Department of Health; New York State DEC), they will determine (within reason) the extent of cleanup.

7.6.2 General:

If the spill is "Non PCB", the extent of the cleanup will be determined by visual inspection. All spilled material is required to be removed.

Cleanup of spills containing PCBs must be initiated within 24 hours after the Company becomes aware of the spill. Small spills (<270 gal of untested mineral oil, low concentration PCB) must be cleaned up within 48 hrs. Although delays due to adverse weather, lack of access, emergency operating conditions and civil emergencies are acceptable, delays due to weekend or overtime costs are specifically listed as not acceptable as a reason for missing the 48-hour deadline.

If the spill is "PCB" or "PCB contaminated", hazardous or non-hazardous the initial cleanup will consist of removing all affected materials as determined by visual inspection. PCB or other chemical analysis of soil from the area will determine the final cleanup after the initial cleanup. By law, we are required to remove any contaminated item and to clean to a level of 10 ppm PCB or 10 ug/100 sq. cm. on hard surfaces (see **Exhibit 9.5** for PCB spills).

Non-hazardous or hazardous material or waste spills will generally require cleanup to standards determined by applicable regulatory agencies.

When responding to a spill where the affected ground is snow or ice covered, a follow-up visit should be performed to verify spill cleanup is complete.

7.6.3 Spills on grass, soil, or sand:

Mineral oil or dielectric fluid travels very slowly through grass and soil. In most cases, cleanup consists of removing the sod or the top 2-4 inches of soil. If over 500 ppm PCB oil is involved, 10 inches of soil must be removed and for any spill over 500 ppm, samples must be collected from the bottom of the excavation for PCB analysis prior to backfilling. Spills

onto sand or coarse soils travel much faster and will most likely need contractor assistance for cleanup. The cleanup crew (Company or contractor) is responsible for immediately backfilling excavations resulting from non-PCB spill cleanups. Spills involving PCBs shall be made safe pending post cleanup sampling results. The on-site supervisor may determine that backfilling is the only method to make a site absolutely safe and may do so with the knowledge that the backfill may need to be removed at a later date and disposed of as hazardous waste pending post cleanup analyses.

7.6.4 Spills on trees and shrubs:

Trees and shrubs that give the appearance of being wet with oil should be pruned back to the non-affected area.

If the affected area is private property, assure the owner that it is the Company's intent to restore the property to its former condition. Obtain the name, address and phone number of the owner and forward to Claims. If the owner is not available for notification, the cleanup crew supervisors or Environmental Operations representative is responsible for preparing and placing a copy of the "Property Absence Notification Letter" (FC-10126) in the owner's mailbox. Check the version of the form to assure that the Claims phone number is 516-545-5353. If incorrect, cross-out the old number and write in the new (see **Exhibit 9.6**).

7.6.5 Spills into storm drains, submersible transformer vaults, manholes:

Since oil floats on water, there are two ways to clean up oils in manholes, storm drains and submersible transformer vaults. One way is to place absorbent pads (M&S #101201) or cloth on the oil and wait for it to accumulate. This works well in situations involving small quantities of oil and in cases where oil is trapped between storm drains. The second method is to vacuum or pump off both oil and water into a tank truck or 55 gallon drum. This is often required in the event that equipment in the vault is to be replaced. The water fraction of the vault may under certain limited circumstances be discharged to the storm sewer system. First, the oil fraction must be completely removed, and second, a laboratory analysis must be performed, reviewed and approved by Environmental Operations & Customer Support. This option will not be practical under emergency circumstances. Contractor assistance may be required for the use of a vacuum truck. The use of oil booms may be required and left in place following the cleanup if the possibility of further oil seepage exists. Some booms are available in Hicksville and may also be obtained from the cleanup contractor.

7.6.6 Spills under padmount transformer:

Oil trapped in the below grade vault area or pit of a padmount transformer should be pumped out and the remaining material stabilized and excavated to a point where either all evidence of oil is removed or just prior to the point where the transformer pad is in danger of being undermined. If the vault is a dirt bottom configuration, post clean up soil samples must be taken for PCB and non-PCB spills as directed in Section 7.5.4.

7.6.7 Spills on private vehicles:

CAUTION

At no time should vehicle owners be told to take their vehicles to a car wash until the spilled substance is proven to be non-PCB.

Every attempt should be made to retain any private vehicle involved in a spill of over 50 ppm PCB for cleaning. Cleaning involves thoroughly wiping down the affected surface of the vehicle using rags and the "oil cleaner" (M&S #00126053) or full strength "Windex". Do not use 1, 1, 1, Trichloroethane, it will dissolve the rubber gaskets on the vehicle and damage paint. Once a vehicle has been thoroughly wiped down, the owner should be instructed to call the Claims. All rags, gloves and other waste, solid or liquid material, shall be collected for disposal. Environmental Operations & Customer Support shall be contacted to determine the proper storage and transportation requirements. If the spill is non-PCB (e.g., less than 50 ppm PCB), the owner may be instructed to go to a car wash. If the spill is over 50 ppm PCB, the car will require sampling and analysis prior to release to the owner to verify that the PCB level is less than 10 ug/100 sq. cm.

If the owner is available, obtain their name, address and phone number, and forward to Claims.

If any private vehicles require cleaning and the owner is not available for notification, the vehicle shall be secured with barrier tape to prevent contamination of the public. The field supervisor is to then place a copy of the "Vehicle Absence Notification Letter" (FC-10127) either on the vehicle windshield or in the owner's mailbox. Check the version of the form to assure that the Claims phone number is 516-545-5353. If incorrect, cross-out the old number and write in the new (see **Exhibit 9.7**).

7.6.8 Spills on Company vehicles:

Spills on Company vehicles should be removed with rags and the "oil cleaner" (M&S #00126053) or full strength "Windex". In the event the entire vehicle needs cleaning and the spilled material has been confirmed by laboratory analysis to be less than 50 ppm PCB, after the spill area has been thoroughly wiped down, vehicles can then be washed at Company Transportation facilities. If the spilled material is 50 ppm or greater PCB, cleaning involves thoroughly wiping down the affected surface of the vehicle using rags and the "oil cleaner" (M&S #00126053) or full strength "Windex". Do not use 1, 1, 1, Trichloroethane, it will dissolve the rubber gaskets on the vehicle and damage paint. All rags, gloves and other waste, solid or liquid material, shall be collected for disposal. Environmental Operations & Customer Support shall be contacted to determine the proper storage and transportation requirements. The vehicle will require sampling and analysis prior to release to the use department to verify that the PCB level is less than 10 ug/100 sq. cm.

7.6.9 Spills on lakes, rivers, etc. or during rain storms:

Under these circumstances, the initial action is to control the source of the spill into the water by diking. Spillage on the water body should then be managed with oil absorbent material, preferably booms and pads. In those cases involving water bodies, an oil absorbent boom (which can be obtained from any Company power station) or a series of absorbent blankets (M&S #00101201) stretched across the lake or stream discharge will contain the spilled oil. In rainstorms, sometimes storm drains can be stuffed with absorbent pads or pieces of absorbent blanket in order to contain oil from traveling great distances. In any of the above cases, cleanup is difficult at best, however, every effort should be made to try to contain oil to the smallest possible area. The field supervisor or Environmental Operations & Customer Support representative will determine the need for contractor services for larger spills. In all cases, every effort should be made to eliminate any source of spillage into the water body before, during and after cleanup efforts.

7.6.10 Spills on hard surfaces, sidewalks and pavement:

PCBs spilled on a solid surface must be double washed/rinsed with an approved solvent. Each of the two washes requires a volume of fresh solvent sufficient to cover the contaminated area completely, combined with vigorous cleansing. The regulations specifically state that mere spreading of solvent over the surface or wiping with a solvent-soaked cloth is not sufficient.

A thin layer of speedi-dry should be placed on top of the affected area and allowed some time to soak up the spilled substance. Carefully work in the speedi-dry (oil-dry) then sweep up. Then the approved solvent can be poured on top of the surface and scrubbed with a street broom to a foamy

state. Allow a few minutes for the oil cleaner to work. Then apply speedi-dry again, work in, then sweep up. This will, in effect, clean the surface when the speedi-dry is vigorously worked into the pavement with a broom and the entire area is swept up. This process needs to be repeated at least once more, until the area is visibly clean. Speedi-dry should not be left behind. For non-PCB spills a single scrubbing with oil cleaner is usually sufficient. For spills where the oil was over 50 ppm PCB, the operation should be repeated three (3) times with follow-up sampling required. All equipment employed in the cleanup should be decontaminated if possible. The spill contaminated area will require sampling and analysis prior to release for public access to verify that the PCB level is less than 10 ug/100 sq. cm. All debris shall be removed from the site.

7.6.11 Spills on members of the public:

This is the most sensitive spill situation and it is imperative that it be correctly handled. Environmental Engineering and Compliance shall be contacted immediately. If possible, Environmental Engineering and Compliance personnel should provide instruction to the affected person(s) as to what actions to take. However, if the situation calls for immediate action, the following instructions should be given. The affected person(s) should be told to wash thoroughly as soon as possible. The person should be told to place all impacted clothing in a plastic bag until analysis of the spilled substance has been received. If non-PCB, then the person can simply wash their clothing (or be reimbursed and no further action is required). If the spilled substance is PCB, the person should be asked to turn over all contaminated clothing for proper disposal. The name, address and phone number of the individual should be obtained and forwarded to Claims. Response crew personnel should not try to explain the health effects of PCBs to members of the public. Instead, inquiries should be directed to Environmental Engineering and Compliance Department. In any event, EE&C should contact affected person(s) to answer any questions they might have.

7.7 Storage and Handling for Disposal

All activities for handling, transportation and storage of Hazardous waste, non-hazardous regulated waste and PCB waste shall be conducted in accordance with GO-10302 and GO-10284. Environmental Engineering and Compliance and Environmental Operations & Customer Support shall be contacted for specific guidance for non-routine wastes or suspected hazardous wastes.

7.7.1 Non-PCB, Non-hazardous Debris

Non-PCB debris can be disposed of by conventional methods (drums, spoils bin, roll-off, dumpster, etc.). Caution should be used in containing

and labeling gas equipment spills since condensate may be extremely flammable. Do not put PCB labels on non-PCB debris. Label or mark each container with the date and location of spill. Contact Environmental Operations & Customer Support in Hicksville for specific directions concerning disposal location and transportation.

7.7.2 Hazardous Debris

Hazardous waste contaminated debris, containers or equipment should be contained to stop any leakage. Debris and liquids shall be placed in drums, secured and labeled. The label shall be used in accordance with GO-10284 and each piece of equipment and/or drum shall be marked with the location of the spill and the date. Contact Environmental Operations & Customer Support in Hicksville for specific directions concerning disposal location and transportation.

7.7.3 PCB Debris

PCB equipment, liquids and debris should be labeled as such and placed in drip pans or plastic bags to prevent further leakage. PCB debris shall be placed in drums, secured and labeled. The PCB label (**Exhibit 9.2**) shall be used and each piece of equipment and/or drum shall be marked with the location of the spill and the date. Contact Environmental Operations & Customer Support in Hicksville for specific directions concerning disposal location and transportation.

8.0 RECORDS

8.1 Hazardous Waste Manifests - By law the generator copy of the eight page NYS Hazardous Waste Manifest document must be maintained by the generator (Environmental Engineering **and Compliance** Department) for five (5) years from the date the waste was accepted by the initial transporter (except for company vehicles used to move PCB units or debris from field sites to the nearest operations center on an emergency basis).

Company policy is to retain manifests, records and all related documentation for ten (10) years followed by microfilming for archiving.

Environmental Operations & Customer Support will maintain records of shipments into and out of Sub-storeroom Facilities to prevent exceeding of the 90 day storage limitations imposed at all locations other than the Hicksville Operations Center. Records should be retained on site for a period of five (5) years.

Individual generator organizations will maintain their own inventory records at each storage site and shall be responsible for ensuring the shipment of their wastes within the 90 day statutory period. See GO-10284 for further information.

8.2 NYS Annual Hazardous Waste Generators Reports - By law, copies of each Annual Report (prepared by the Environmental Engineering Department) must be retained for a minimum of five (5) years.

Company policy is to retain reports for ten (10) years followed by micro-filming for archiving.

8.3 Toxic Substances Control Act (TSCA) PCB Annual Report/PSC PCB Bi-Annual Report: PCB management and inventory reports are prepared by the Environmental Engineering Department. Reports are retained for a period of ten (10) years followed by microfilming for archiving.

9.0 EXHIBITS

9.1 **Non-PCB Label**

9.2 **PCB Label**

9.3 **Spill Notification Checklist**

9.4 **Spill Incident Report**

9.5 **PCB Spill Cleanup Performance Standards**

9.6 **Property Absence Notification Letter**

9.7 **Vehicle Absence Notification Letter**

9.8 **Spill Classification Chart**

10.0 APPENDICES

A. **New York State PCB Waste Codes**

B. **Spill Notification Flow Chart**

C. **Spill Notification Example Scenarios**

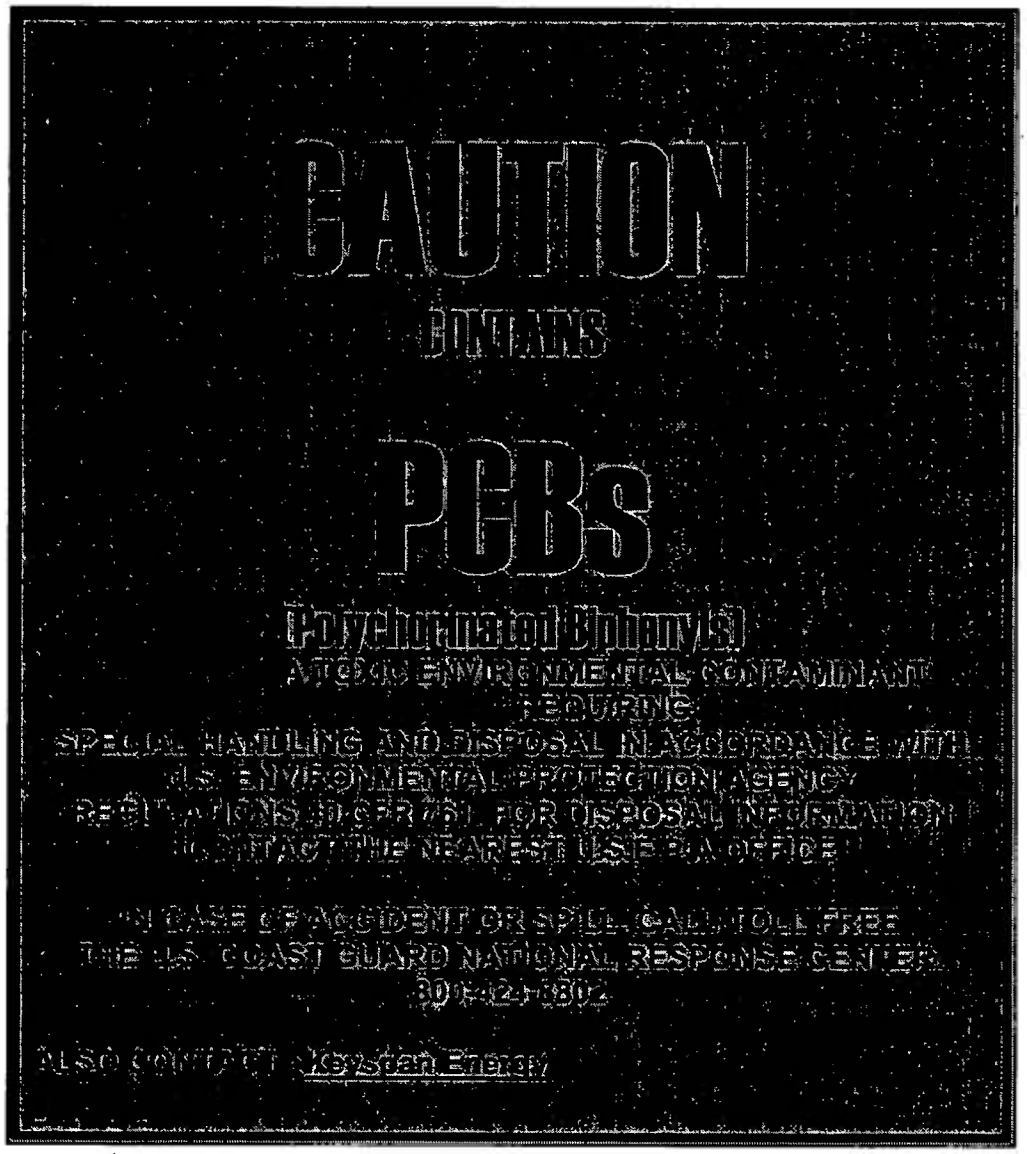
D. **OSHA 1910.120 Training**

NON PCB LABEL

NO PCBs

THE OIL CONTAINED WITHIN THIS CAPACITOR, TRANSFORMER OR CONTAINER, HAS BEEN TESTED AND PROVEN TO BE BELOW 50 PPM PCB. DO NOT RECYCLE OR REUSE WITH UNTESTED TRANFORMER OIL

PCB Label


CAUTION
CONTAINS
PCBs
(Polychlorinated Biphenyls)
ATTACH ENVIRONMENTAL CONTAMINANT
LABELING
SPECIAL HANDLING AND DISPOSAL IN ACCORDANCE WITH
U.S. ENVIRONMENTAL PROTECTION AGENCY
REGULATIONS 40 CFR 761. FOR DISPOSAL INFORMATION
CONTACT THE NEAREST U.S.E.P.A. OFFICE
IN CASE OF ACCIDENT OR SPILL CALL TOLL FREE
THE U.S. COAST GUARD NATIONAL RESPONSE CENTER
800-424-8802
ALSO CONTACT: Keystan Energy

Spill Notification Checklist

(To be used by SSO, ESO, GSO, CMS, SCC, or DCD for notifying Environmental Operations)

NOTE: Do not delay the call to Environmental Operations simply because some of the information may not be readily available. **This is essential to meet federal reporting requirements to the National Response Center.**

NOTIFICATION:

1. Caller's Name:_____
2. Recipient Name: _____

   Dept.:_____ Date:_____

   Location:_____ Time:_____

Person to be contacted for additional information:_____

SPILL INFORMATION:

1. Equipment Involved:_____
2. Type of Fluid:_____
3. Amount of Fluid:_____
4. Date:_____ Time:_____
5. Town:_____ Street:_____ X-Street:_____
6. Pole #:_____
7. Rear Property? Yes_____ No_____
8. Chlor-N-Oil Test: Positive:_____ Negative_____ Not Done:_____
9. Water Body Involved: Yes_____ No_____
10. Storm Drain Involved: Yes_____ No_____
11. Private Property Affected:_____
12. Lab Sample Taken: Yes_____ No_____
13. Sample & Label Number:_____
14. Cleanup Status/Need for Outside Assistance:_____
15. Spill Classification per SND Tab I _____I _____II _____III _____IV

OPTIONAL INFORMATION:

1. Equipment Information: Manufacturer:_____ Size:_____ Serial Number:_____
2. Line Section Referral:_____
3. Grid Number:_____

Spill Incident Report

Tracking Numbers
Internal #: ____ - ____
NYSDEC: ____
KSpan ☐
LIPA ☐ ____ - ____

SPILL INCIDENT REPORT

EPA ID# ____
Manifest # ____

Certification Statement
To the best of my knowledge this spill incident has been remediated in accordance with applicable regulations and all information documented in this record is accurate.

Signed: ____
Date: ____

Initial Notification Information

Received From:	Received By:
Name: ____	Name: ____
Ext: ____	Date: ____
Dept: ____	Time: ____
Loc: ____	Office: ____ Off-Duty: ____

Additional Information

CLOR-N-OIL	CLOR-N-SOIL
Pos ___	Pos ___
Neg ___	Neg ___
Not Done ___	Not Done ___

Non PCB Label? Yes ___ No ___
Water Body? Yes ___ No ___
Storm Drain? Yes ___ No ___

Motor Veh Acc? Yes ___ No ___
Private Property? Yes ___ No ___

Describe Damage: ____

For Accidents or Storm-Related Spills, promt Notifier to provide Charge Number

Charge No. ____

Spill Information
Trans ___ Cap ___ Fuel ___ Haz Chem ___ Other ___

Fluid Type ____ Amount Spilled ____
Date ____ Time ____

Location
Town ____
Street ____
X-Street ____
Rear Property Yes ___ No ___
Other Info: ____

Pole # ____
Pad# ____
System Grid ____

Equipment Information
Manu ____
Size ____
Serial/Company # ____

Describe Spill and Origin / Cause

Cleanup
HazMat ___
Electric ___
Contractor ____
None Needed ___

Trade Winds 631-435-8900
MEG 631-369-4900

Spill Samples

Sample #	Result
Oil	
Soil	
Veg	
Wipe	

Post Cleanup / Resident Samples

Sample #	Result
Soil	
Wipe	

Rev: Date12/16/99

Spill Incident Report

Regulatory Notifications

National Response Center
800 - 424 - 8802
Date: _____ Time ____ Contact _____
Call for Class III or Class IV Spills
It is not necessary to wait for all information before calling the NRC.

New York State DEC
800 - 457 - 7362
or
(631) 444-0320 or (718) 482-4933 in NYC
Date: _____ Time____ Contact _____
Call the DEC 800 number to obtain a Spill Reference Number

LIPA
333 Earle Ovington Blvd.
Suite 403
Uniondale, New York 11553

☐ AOG ☐ 3Party ☐ Storm

Suffolk County Health Dept Medical Examiners Office	Nassau County Health Dept.	Nassau County Fire Marshall	New York City DEP
(631) 853-5555 or between 11PM and 7 am Mike Quinn (631) 852-4814 All Spills in Suffolk County	(516) 571 - 3691 or after 5 PM (516) 742 - 6154 PCB, HazMat and Class II, III, IV	(516) 572 - 1092 If voice mail or no answer (516) 742 - 3170 All Spills in Nassau County	(718) 595 - 4681 or after 5 PM (718) - 595 - 6700 All Spills in Queens, Brooklyn or Staten Island
Date: _____	Date: _____	Date: _____	Date: _____
Time: ____	Time: ____	Time: ____	Time: ____
Contact: _____	Contact: _____	Contact: _____	Contact: _____

Comments, Other Contacts and Follow Up:

Claims:	Nassau 516-545-5353 Suffolk 631-348-4100

Hicksville TSDF (516) 545-5511 Pager: (516) 824-6666
(other numbers on pocket card)

Rev. Date 12/16/99

PCB Spill Cleanup Performance Standards

		Contaminated Soil				Solid Surfaces			
Mass of PCBs	Location	Visible Traces + 1ft. Lateral Buffer	50 ppm + Notice	25 ppm	10 ppm +10ppm Excavation	Double Rinse Wash	100 ug/ 100cm^2	100ug/ 100cm^2 + cap	10ug/ 100cm^2
Low Conc. 50-500ppm <270 gal.	Indoor Residential Areas								X
	All Other Areas	X				X			
	Electrical Substations		X	X			X		
	Restricted Access Areas Hi Contact Outdoors Lo Contact Indoor			X					X
All High Conc. Spills. >500 ppm and Low Conc. Spills >270 gallons	Lo Contact Indoor Non-impervious			X				X	X
	Lo Contact Outdoors			X			X		
	Non-Restricted Access Areas All Indoor Hi Contact Outdoors				X				X
	Vaults Indoor Lo contact Outdoors				X				X
	Lo Contact Outdoor Non-Impervious				X			X	X

Property Absence Notification Letter

Address of Incident _____

_____

Dear Customer:

On __/__/____ during your absence an accidental release of a substance from LIPA or KeySpan equipment impacted your property. By law we were required to promptly remediate the spill which involved the cleaning or removal of the affected areas. We apologize for the inconvenience this may cause you. Please be assured that your property will be restored. A representative from KeySpan's Claims Area will contact you to make arrangements.

Substance Spilled: ____ Transformer Oil ___ Non-PCB ___ Hydraulic Fluid ___ Other

___ PCB

Affected Area: _____ Grass/Soil _____Shrubs/Plants _____Vehicle ____ Other

Comments:

_____

_____

_____

_____

_____

If you have any environmentally related questions please contact KeySpan's Environmental Operations Department at 516-545-5511

If you have any questions pertaining to the restoration of your property please contact KeySpan's Claims Area at 516-545-5353 (Nassau/Queens County), 631-348-4100 (Suffolk County) or 718-403-3161 (Brooklyn/Staten Island

Signed : _____

Department: _____

Location: _____

Vehicle Absence Notification Letter

Date: _____

Location of Incident_____

Vehicle License Plate: _____

Dear Vehicle Owner:

During your absence, a substance was accidentally spilled on your vehicle which we are required by law to promptly remove. Since we were unable to locate you, we were obliged to clean this substance off your vehicle without prior notification to you.

Please accept the apologies of LIPA and KeySpan for any inconvenience or concern this may have caused you.

Substance Spilled: ____ Transformer Oil ___ Non-PCB ___ Hydraulic Fluid ___ Other
___ PCB

Comments:

_____
_____
_____
_____
_____

If you have any environmentally related questions please contact KeySpan's Environmental Operations Department at 516-545-5511

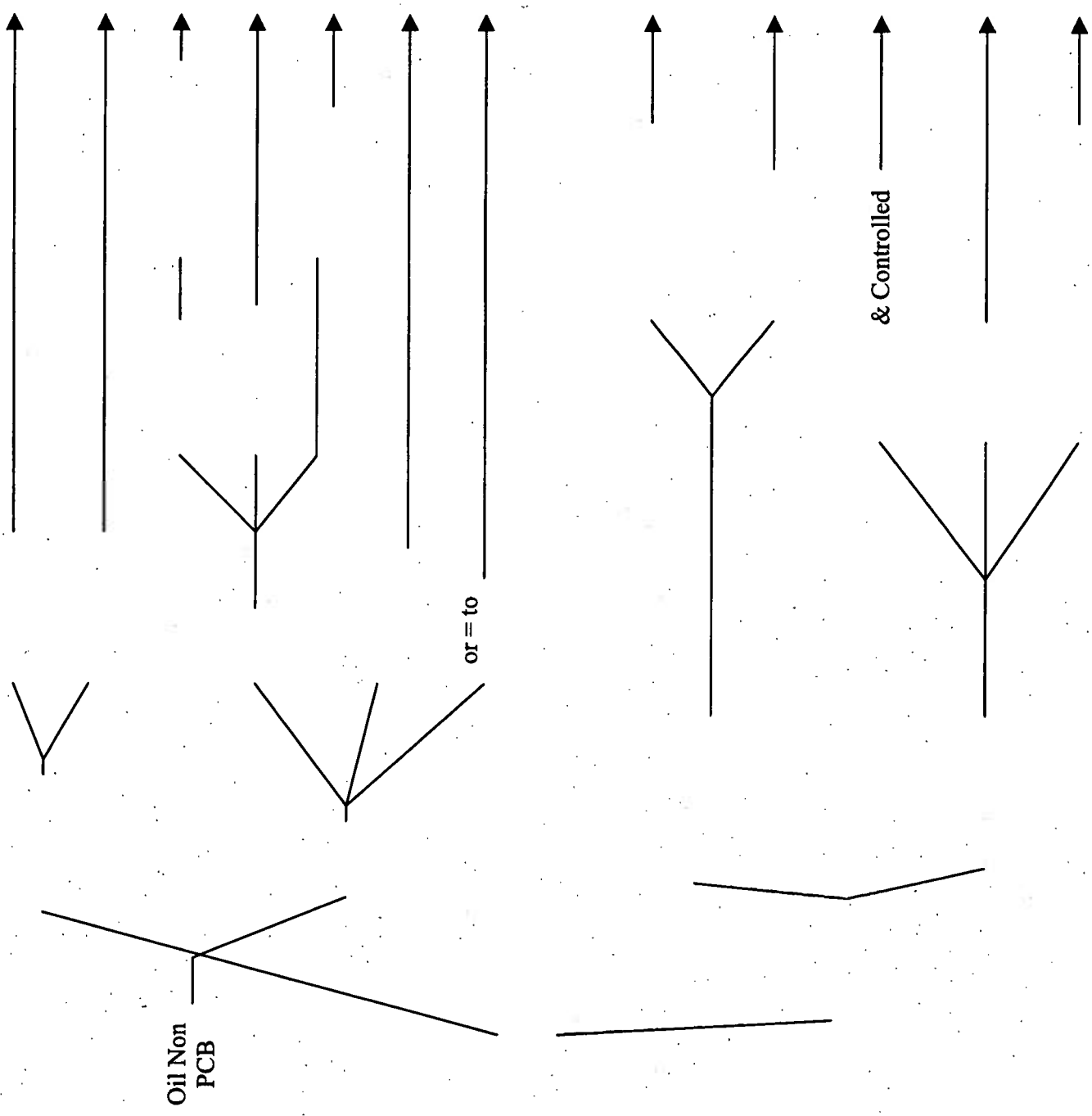
If you have any questions pertaining to the cleaning of your vehicle please contact KeySpan's Claims Area at 516-545-5353 (Nassau/Queens County), 631-348-4100 (Suffolk County) or 718-403-3161 (Brooklyn/Staten Island).

Signed : _____

Department: _____

Location: _____

Spill Classification Chart



New York State PCB Waste Codes

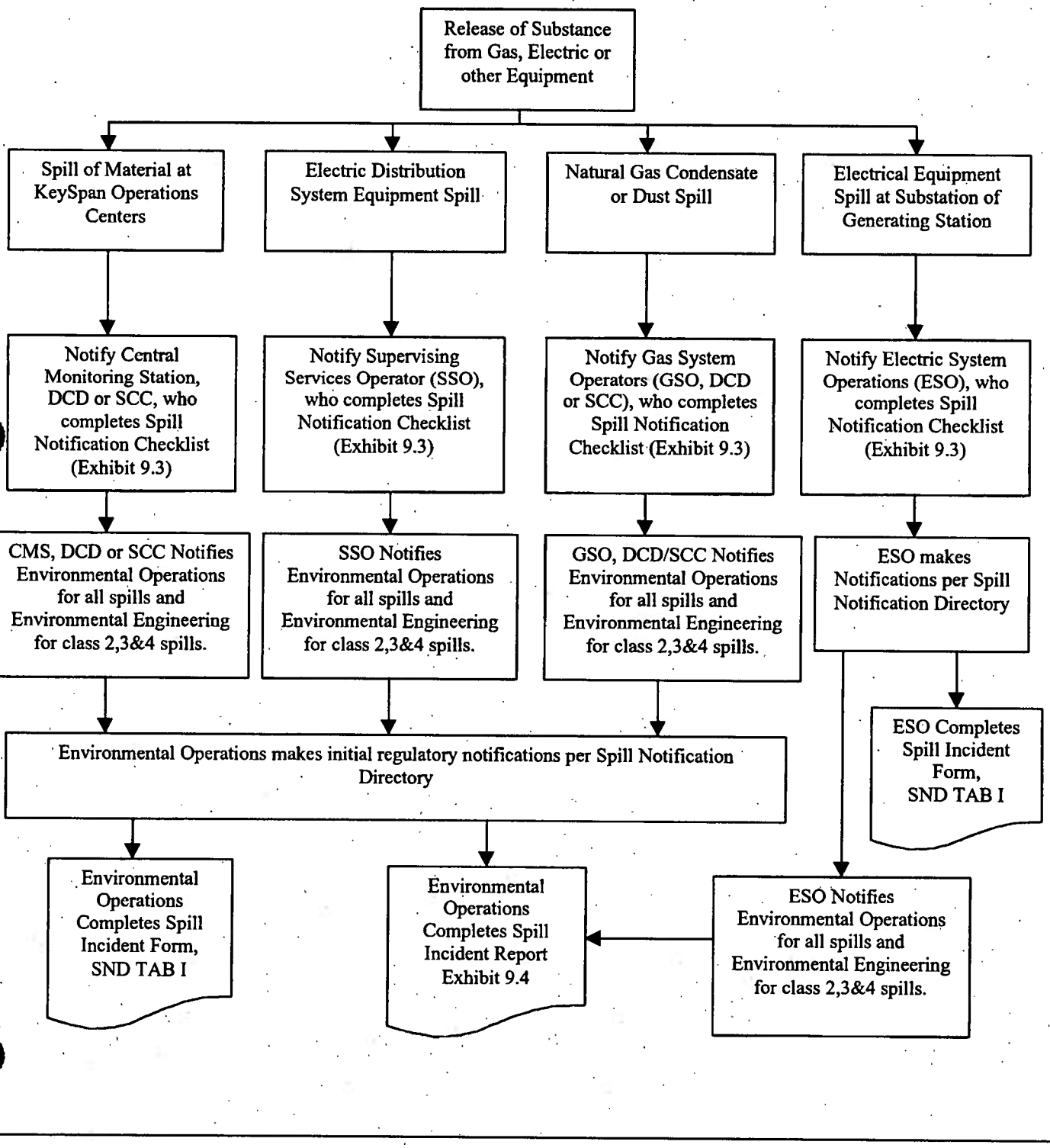
The following equipment and materials are identified as subject to the regulations and are applicable to this procedure under New York State 6NYCRR Part 371.4(E):

DEC Hazardous Waste Number	Waste Description
B001	PCB Oil (concentrated) from transformers, capacitors, etc.
B002	Petroleum oil or other liquid containing 50 ppm or greater of PCBs, but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers, and cable
B003	Petroleum oil or other liquid (e.g., dielectric fluids) containing 500 ppm or greater PCBs.
B004	PCB Articles containing 50 ppm or greater of PCBs but less than 500 ppm PCBs, excluding small capacitors. This includes oil-filled electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers, and cable
B005	PCB Articles, other than transformers, that contain 500 ppm or greater of PCBs, excluding small capacitors
B006	PCB Transformers. "PCB Transformers" means any transformer that contains 500 ppm PCB or greater.
B007	Other PCB Wastes including contaminated soil, solids, sludges, clothing, rags , and dredge materials.

- All newly purchased capacitors. (Since 1979, newly manufactured transformers and capacitors and capacitors contain non-PCB dielectric fluid)

The Company's non PCB label is depicted in **Exhibit 9.1**. This label is blue in color with black painting. It should be affixed to all equipment containing mineral oil with less than 50 ppm PCBs

Spill Notification Flow Chart



Spill Notification Example Scenarios

This procedure does not contain the actual telephone or pager numbers. This information in contained in the Spill Notification Directory (SND. These scenarios are some examples of what notifications would be made based on the assumed spill conditions. For the latest instructions the SND must be consulted.

1.0 Spill from the **Gas Transmission & Distribution System on Long Island.**

Spill is assumed to be approximately 2 gallons of potentially PCB contaminated condensate on the ground in Nassau County. The PCB concentration is initially unknown, but the spill is contained and controlled.

1.1 Person discovering spill notifies their immediate supervisor and the Gas System Operator (GSO).

1.2 GSO Pages only Environmental Operations based on the fact that GSO has categorized the spill as Class I. This is based on PCB Concentration Testing showing 1000ppm PCB and determination that this is less than a Reportable Quantity per Appendix A of the SND.

1.3 Environmental Operations makes internal and external Company notifications per the SND Tab XXXIII (New).

Notifications Include: Media Relations, Government Relations, NYSDEC Region 1, Nassau County Health Department, Nassau County Fire Marshall.

2.0 Spill from the **Gas Transmission & Distribution System in New York City**

Spill is assumed to be approximately 2 gallons of PCB contaminated oil on street in Brooklyn and has flowed down a storm sewer.

2.1 Person discovering spill notifies their immediate supervisor and the System Control Center (SCC) or Distribution Central Dispatching (DCD).

2.2 SCC or DCD pages Environmental Operations and Environmental Engineering based on the fact that the spill is categorized as a Class III spill.

2.3 Environmental Operations makes internal and external Company notifications per the Spill Notification Directory Tab XXXIII (New).

Notification Include: Emergency Preparedness, National Response Center, NYSDEC Region 2, Brooklyn Media Relations, Government Relations, New York City Department of Environmental Protection, NYC Fire Department.

3.0 Spill from the **Electric Distribution System**

Spill is assumed to be approximately 5 gallons of non-PCB distribution transformer oil. The spill is on the street in Suffolk County and is contained.

3.1 Person discovering spill notifies their immediate supervisor and the Supervising Services Operator (SSO).

3.2 SSO notifies only Environmental Operations based on the fact that the spill is categorized as a Class I spill.

3.3 Environmental Operations makes internal and external Company notifications per the SNP Tab XXI

Notification Include: NYSDEC Region 1, Suffolk County Department of Health Services

4.0 Spill at a **Company Operations Center in New York City**

Spill is approximately 5 gallons of Ethylene Glycol (anti-freeze) at the Greenpoint Operations Center. The spill in on the ground and contained.

4.1 Person discovering spill notifies their immediate supervisor and Distribution Central Dispatching (DCD).

4.2 DCD notifies only Environmental Operations based on the fact that the spill is categorized as a Class I spill. This classification is based on the fact that the 5 gallons is less than the Reportable Quantity per Appendix A of the SND.

4.3 Environmental Operations makes notifications per the SND Tab XVIII

Notification Include: BU Media Relations, NYSDEC, Region 2, NYC Department of Environmental Protection.

5.0 Spill at a **Company Operations Center on Long Island**

Spill is assumed to be 55 gallons of used motor oil in the Hicksville Yard on the blacktop parking lot. The spill is contained.

5.1 Person discovering spill notifies their immediate supervisor and the Central Monitoring Station (CMS)

5.2 CMS contacts only Environmental Operations based on the fact that the spill is categorized as a Class I spill.

5.3 Environmental Operations makes internal and external Company notifications per the SND Tab XVIII.

Notifications Include: Media Relations, Government Relations, NYSDEC Region 1, Nassau County Fire Marshal

6.0 Spill at an **Electric Substation**

Spill is assumed to be approximately 200 gallons of Non-PCB Transformer Oil. The spill is contained. However, the spill is at the Newbridge Road Substation and has attracted public and media attention.

6.1 Person discovering spill notifies their immediate supervisor and the Electric System Operator (ESO)

6.2 ESO notifies Environmental Operations and Environmental Engineering based on the spill categorized as a Class II.

6.3 ESO makes internal and external Company notifications per the SND Tab XVI.

Notifications Include: Media Relations, LIPA Media Relations, Government Relations, LIPA Management, Substation Maintenance Hicksville, Supervising Services Operator, Legal Department, NYSDEC Region 1, Nassau County Health Department, Nassau County Police, Nassau County Fire Marshall,

7.0 Spill at an **Electric Generating Facility** (Non-Fuel Oil)

Spill is assumed to be 20 Gallons of Hydrazine at the Port Jefferson Power Station. The spill is not contained and has entered Port Jefferson Harbor.

7.1 Person discovering spill notifies their immediate supervisor and the Electric System Operator (ESO)

7.2 ESO notifies Environmental Operations and Environmental Engineering based on the spill categorized as a Class IV. This classification is based on the fact that a quantity greater than the Reportable Quantity is outside the Site Boundary.

7.3 ESO makes internal and external Company notifications per the SND Tab V.

Notifications Include: Emergency Preparedness, National Response Center, Media Relations, LIPA Media Relations, Government Relations, LIPA Management, NYSDEC Region 1, Suffolk County Department of Health Services, Suffolk County Fire Marshall, Brookhaven Town Fire Marshall, Port Jefferson Village Hall, Legal Department, Claims.

OSHA 1910.120 Training Requirements

Hazardous Waste Cleanup Sites	
Staff	
Routine Site Employees	40 Hours Initial, 24 Hours Field, 8 Hours Annual Refresher
Routine Site Employees (minimal exposure)	24 hours initial, 8 hours field, 8 hours annual refresher
Non-routine site employees	24 hours initial, 8 hours field, 8 hours annual refresher
Supervisors or Managers of	
Routine Site Employees	40 hours initial, 24 hours field, 8 hours hazardous waste management, 8 hours annual refresher
Routine Site Employees (minimal exposure)	24 hours initial, 8 hours field, 8 hours hazardous waste management, 8 hours annual refresher
Non-routine site employees	24 hours initial, 8 hours field, 8 hours hazardous waste management, 8 hours annual refresher
Treatment, Storage, and Disposal Sites	
Staff	
General Site Employees	24 hour initial or equivalent, 8 hours annual refresher
Emergency Response Personnel	Trained to a level of competency, annual refresher
Note: See 29CFR1910.120 (e) and (p)(7)	
Other Emergency Response Staff	
Level 1 – First responder (awareness) level [1]	Sufficient training or proven experience in specific competencies, annual refresher
Level 2 – First responder (operations level)[2]	Level 1 Competency and 8 hours initial or proven experience in specific competencies, Annual refresher
Level 3 – Hazmat Technician [3]	24 hours or Level 2 and proven experience in specific competencies, Annual refresher
Level 4 – Hazmat Specialist [4]	24 hours and Level 3 and proven experience in specific competencies, Annual refresher
Level 5 – On-the –Scene Incident Commander [5]	24 hours of Level 2 and additional competencies, Annual refresher
Note: See 29CFR1910.120 (q) (6)	

[1] *Witnesses* or *discovers* a release of hazardous materials and who are trained to notify the proper authorities
[2] Responds to releases of hazardous substances in a defense manner, without trying to stop the release.
[3] Responds aggressively to stop the release of hazardous substances.
[4] Responds with and in support to Hazmat technicians, but who have specific knowledge of various hazardous substances.
[5] Assumes control of the incident scene beyond the first responder awareness level.

Note: These training requirements are associated with emergency response to hazardous materials incidents. The applicability of training requirements to specific facility staff should be verified through Corporate Safety or Environmental engineering & Compliance.

OSHA 1910.120 Hazwoper Training
Emergency Response Activities

29 CFR 1910.120(q)(6) addresses the OSHA training requirements associated with emergency response to hazardous substance releases, and Disposal Facility (TSDF) site activities. The OSHA training requirements are based on the duties of, or functions served by, each responder in an emergency response organization.
The applicability of the OSHA training requirements to specific job functions or the determination of what conditions constitute an emergency response under OSHA, should be determined with the assistance of Corporate Safety Services Department of Environmental Engineering & Compliance Department.
The specific OSHA training requirements of 29 CFR 1910.120(q)(6) 1999 are provided below:

(q)(6) Training. Training shall be based on the duties and function to be performed by each responder of an emergency response organization. The skill and knowledge levels required for all new responders, those hired after the effective date of this standard, shall be conveyed to them through training before they are permitted to take part in actual emergency operations on an incident. Employees who participate, or are expected to participate, in emergency response, shall be given training in accordance with the following paragraphs:

(q)(6) (i) First responder awareness level. First responders at the awareness level are individuals who are likely to witness or discover a hazardous substance release and who have been trained to initiate an emergency response sequence by notifying the proper authorities of the release. They would take no further action beyond notifying the authorities of the release. First responders at the awareness level shall have sufficient training or have had sufficient experience to objectively demonstrate competency in the following areas:

- An understanding of what hazardous substances are, and the risks associated with them in an incident.
- An understanding of the potential outcomes associated with an emergency created when hazardous substances are present.
- The ability to recognize the presence of hazardous substances in
- an emergency.
- The ability to identify the hazardous substances, if possible.
- An understanding of the role of the first responder awareness
- individual in the employer's emergency response plan including site
- security and control and the U.S. Department of Transportation's
- Emergency Response Guidebook.
- The ability to realize the need for additional resources, and to
- make appropriate notifications to the communication center.

(q)(6) (ii) First responder operations level. First responders at the operations level are individuals who respond to releases or potential releases of hazardous substances as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. They are trained to respond in a defensive fashion without actually trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures. First responders at the operational level shall have received at least eight hours of training or have had sufficient experience to objectively demonstrate competency in the following areas in addition to those listed for the awareness level and the employer shall so certify:

- Knowledge of the basic hazard and risk assessment techniques.
- Know how to select and use proper personal protective equipment provided to the first responder operational level.
- An understanding of basic hazardous materials terms.
- Know how to perform basic control, containment and/or confinement operations within the capabilities of the resources and personal protective equipment available with their unit.
- Know how to implement basic decontamination procedures.
- An understanding of the relevant standard operating procedures and termination procedures.

(q)(6) (iii) Hazardous materials technician. Hazardous materials technicians are individuals who respond to releases or potential releases for the purpose of stopping the release. They assume a more aggressive role than a first responder at the operations level in that they will approach the point of release in order to plug, patch or otherwise stop the release of a hazardous substance. Hazardous materials technicians shall have received at least 24 hours of training equal to the first responder operations level and in addition have competency in the following areas and the employer shall so certify:

- Know how to implement the employer's emergency response plan.
- Know the classification, identification and verification of known and unknown materials by using field survey instruments and equipment.

- Be able to function within an assigned role in the Incident Command System.
- Know how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician.
- Understand hazard and risk assessment techniques.
- Be able to perform advance control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available with the unit.
- Understand and implement decontamination procedures.
- Understand termination procedures.
- Understand basic chemical and toxicological terminology and behavior.

(q)(6) (iv) Hazardous materials specialist. Hazardous materials specialists are individuals who respond with and provide support to hazardous materials technicians. Their duties parallel those of the hazardous materials technician, however, those duties require a more directed or specific knowledge of the various substances they may be called upon to contain. The hazardous materials specialist would also act as the site liaison with Federal, state, local and other government authorities in regards to site activities. Hazardous materials specialists shall have received at least 24 hours of training equal to the technician level and in addition have competency in the following areas and the employer shall so certify:

- Know how to implement the local emergency response plan.
- Understand classification, identification and verification of known and unknown materials by using advanced survey instruments and equipment.
- Know of the state emergency response plan.
- Be able to select and use proper specialized chemical personal protective equipment provided to the hazardous materials specialist.
- Understand in-depth hazard and risk techniques.
- Be able to perform specialized control, containment, and/or confinement operations within the capabilities of the resources and personal protective equipment available.
- Be able to determine and implement decontamination procedures.
- Have the ability to develop a site safety and control plan.
- Understand chemical, radiological and toxicological terminology and behavior.

(q)(6) (v) On scene incident commander. Incident commanders, who will assume control of the incident scene beyond the first responder awareness level, shall receive at least 24 hours of training equal to the first responder operations level and in addition have competency in the following areas and the employer shall so certify:

- Know and be able to implement the employer's incident command system.
- Know how to implement the employer's emergency response plan.
- Know and understand the hazards and risks associated with employees working in chemical protective clothing.
- Know how to implement the local emergency response plan.
- Know of the state emergency response plan and of the Federal
- Regional Response Team.
- Know and understand the importance of decontamination procedures.

(q)(7) Trainers. Trainers who teach any of the above training subjects shall have satisfactorily completed a training course for teaching the subjects they are expected to teach, such as the courses offered by the U.S. National Fire Academy, or they shall have the training and/or academic credentials and instructional experience necessary to demonstrate competent instructional skills and a good command of the subject matter of the courses they are to teach.

(q)(8) Refresher training. (i) Those employees who are trained in accordance with paragraph (q)(6) of this section

shall receive annual refresher training of sufficient content and duration to maintain their competencies, or shall demonstrate competency in those areas at least yearly. (ii) A statement shall be made of the training or competency, and if a statement of competency is made, the employer shall keep a record of the methodology used to demonstrate competency.

J

J

Highway Work Permit Application Cover Letters

LIPA

Transmittal

To: Gene Smith – NYS DOT

From: Lou Donofrio—LIPA Project Management

CC:

Date: 12/08/2005

Re: Rt 135 Drawings – LIPA's 345kV Underground Electric Cable

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These drawings show the access control line.

Attached are the following:

1. **Ten sets of 8 Drawings :**
   - F-81379, F-81378, F-81348, F-81349, F-81350, F-81351, F81352 and F-81353

These drawings include the access control lines and supplemental request from Mr. Steve Lauer as it relates to the proposed installation of LIPA's 345kV underground cable. and requested to LIPA's Substation and Transmission Engineering Manager, Mr. Gary Petschauer P. E.

LIPA

Transmittal

To: Gene Smith – NYS DOT

From: Lou Donofrio—LIPA Project Management

CC:

Date: 11/09/2005

Re: RT 135 Permit

Attached are the following:

1. **Six sets of 11 Drawings :**
   - F-81348, F-81349, F-81350, F-81351, F-81352, F-81353, F-81354, F-81376, F-81377, F-81378 and F-81379.
2. **Six sets of a written description of NYS Rte 135 cable installation and associated access roads..**
3. **Three sets of NYS permit application including:**
   - NYS Highway Work Permit Application for Utility Work. (PERM 32m (2/00))
   - Major Construction Inspection Requirements Agreement with Permittee for Highway Work Permits.
   - Undertaking (Public Utilities) in Connection with Highway Work Permits issued by NYS Dept of Transportation. (PERM 2(09/05))

CC. Mr. Michael Mariotti

LIPA

Transmittal

To: Gene Smith – NYS DOT

From: Lou Donofrio—LIPA Project Management

CC:

Date: 12/09/2005

Re: Permit – as per attached

These drawings show all state roads accept Rt. 135.

Attached are the following:

1. **Six sets of 7 Drawings :**
   - F-80169, F-80170, F-80145, F-80146, F-81336, F-81345, F81368

2. **Three sets of NYS permit application including:**
   - NYS Highway Work Permit Application for Utility Work. (PERM 32m (2/00))
   - Major Construction Inspection Requirements Agreement with Permittee for Highway Work Permits.
   - Undertaking (Public Utilities) in Connection with Highway Work Permits issued by NYS Dept of Transportation. (PERM 2(09/05))

CC. Mr. Michael Mariotti

K

K Road Permits

K-1: Nassau County

K-2: Town of Hempstead

K-3: Town of Oyster Bay

K-4: NYS DOT -- "Crossings" (Routes 106, 107, 110, Meadowbrook and Wantagh) [to be provided]

K-5: NYS DOT -- Route 135 [to be provided]

K-1

Nassau County Road Permits

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
(ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06
PERMIT NO: 06-0628992-000-R
PERMITTEE: L.I.P.A., HICKSVILLE
REF NO:
175 E. OLD COUNTRY R HICKSVILLE, NY 11801
REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT CARMEN AVE
EWB/S 800 FT S /O SALISBURYPARK DR , EAST MEADOW
FOR PURPOSE OF: INSTL UG ELEC CABLE
NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALATION OF APROX 50LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIES MUST BE LOCATED W/ TEST HOLES IN FIELD BY CONTRACTOR PRIOR TO START OF WORK. (SHEET #34/41)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00
NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION, OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.
THE PERMITTEE EXPRESSLY WARRANTS THAT BY COMMENCING WORK, ANY AND ALL OTHER REQUIRED PERMITS AND PERMISSIONS HAVE BEEN OBTAINED AND ARE BEING COMPLIED WITH; AND THAT THE REQUIREMENTS OF ANY AND ALL APPLICABLE RULES AND REGULATIONS HAVE BEEN AND ARE BEING MET.
FAILURE TO COMPLY WITH ALL OF THE ABOVE TERMS AND CONDITIONS MAY RESULT IN THE SUSPENSION OR REVOCATION OF THIS PERMIT, AND THE COUNTY MAY DIRECT THE PERMITTEE TO RESTORE THE WORK AREA TO THE PRE-PERMIT CONDITION AT HIS/HER EXPENSE.
2) IF THE WORK UNDER THIS PERMIT HAS NOT STARTED WITHIN 30 DAYS FROM THE DATE OF ISSUE THE PERMIT IS VOID UNLESS EXTENDED BY THE COUNTY.
3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORAION WITHIN 90 DAYS OF START OF WORK.
4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /
SIZE OF OPENING: SIZE OF CUT BACK:
CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000
TEMPORARY PATCH INSTALLED:
PERMANENT PATCH INSTALLED: DATE COMPLETED:
KIND OF MATERIAL: SUPERVISION CHARGE:
INSPECTORS HOURS: ADDITIONAL CHARGE:
REFUND: DATE REFUNDED:
REMARKS:

INSPECTOR'S SIGNATURE DATE:

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628996-000-R
PERMITTEE: L.I.P.A., HICKSVILLE REF NO:
175 E. OLD COUNTRY R HICKSVILLE, NY 11801
REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT CENTRAL AVE
EWB/S 35 FT S /O SEAFORD OYSTER BAY EXPY , BETHPAGE
FOR PURPOSE OF: INSTL UG ELEC CABLE
NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALLATION OF APROX 90LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIES MUST BE LOCATED W/ TEST HOLES IN FIELD BY CONTRACTOR PRIOR TO START OF WORK. (SHEET #12/34)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00
NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.
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3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORATION WITHIN 90 DAYS OF START OF WORK.
4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /
SIZE OF OPENING: SIZE OF CUT BACK:
CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000
TEMPORARY PATCH INSTALLED:
PERMANENT PATCH INSTALLED: DATE COMPLETED:
KIND OF MATERIAL: SUPERVISION CHARGE:
INSPECTORS HOURS: ADDITIONAL CHARGE:
REFUND: DATE REFUNDED:
REMARKS:

INSPECTOR'S SIGNATURE DATE:

NASSAU COUNTY STATE OF NEW YORK

(ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0062901-000-R

PERMITTEE: L.I.P.A., HICKSVILLE REF NO:

175 E. OLD COUNTRY R HICKSVILLE, NY 11801

REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT COMMERCIAL AVE

NSB/S 0 FT - 2750 FT W /O WEST ROAD , E. GARDEN CITY

FOR PURPOSE OF: INSTL UG ELEC CABLE

NOTES: (LIPA WO #T100441494) PERMIT TO OPEN ROAD/SIDEWALK/GRASS AREA FOR THE INSTALLATION OF APROX 2750LF OF UNDERGROUND 345KV ELECTRIC CABLE. CEMENTITOUS MATERIAL TO BE UTILIZED WHEN BACKFILLING TRENCH. ALL NC UG FACILITIES MUST BE LOCATED IN FIELD BY CONTRACTOR PRIOR TO START. TWO WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE W/ NYS DOT MUTCD. (SHEETS #1/41-7/41)

239K: DEPOSIT NO. AMOUNT OF BOND $50,000.00

NOTICE SC

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.

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FAILURE TO COMPLY WITH ALL OF THE ABOVE TERMS AND CONDITIONS MAY RESULT IN THE SUSPENSION OR REVOCATION OF THIS PERMIT, AND THE COUNTY MAY DIRECT THE PERMITTEE TO RESTORE THE WORK AREA TO THE PRE-PERMIT CONDITION AT HIS/HER EXPENSE.

2) IF THE WORK UNDER THIS PERMIT HAS NOT STARTED WITHIN 30 DAYS FROM THE DATE OF ISSUE THE PERMIT IS VOID UNLESS EXTENDED BY THE COUNTY.

3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORATION WITHIN 90 DAYS OF START OF WORK.

4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /

SIZE OF OPENING: SIZE OF CUT BACK:

CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000

TEMPORARY PATCH INSTALLED:

PERMANENT PATCH INSTALLED: DATE COMPLETED:

KIND OF MATERIAL: SUPERVISION CHARGE:

INSPECTORS HOURS: ADDITIONAL CHARGE:

REFUND: DATE REFUNDED:

REMARKS:

INSPECTOR'S SIGNATURE DATE:

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628993-000-R
PERMITTEE: L.I.P.A., HICKSVILLE REF NO:
175 E. OLD COUNTRY R HICKSVILLE, NY 11801
REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT JERUSALEM AVE
EWB/S 170 FT S /O MEDIDIAN ROAD , LEVITTOWN
FOR PURPOSE OF: INSTL UG ELEC CABLE
NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALLATION OF APROX 85LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIESMUST BE LOCATED W/ TEST HOLESIN FIELD BY CONTRACTOR PRIOR TO START OF WORK. (SHEET #6/34)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00
NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.
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4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /
SIZE OF OPENING: SIZE OF CUT BACK:
CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000
TEMPORARY PATCH INSTALLED:
PERMANENT PATCH INSTALLED: DATE COMPLETED:
KIND OF MATERIAL: SUPERVISION CHARGE:
INSPECTORS HOURS: ADDITIONAL CHARGE:
REFUND: DATE REFUNDED:
REMARKS:

INSPECTOR'S SIGNATURE DATE:

(ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628991-000-R
PERMITTEE: L.I.P.A., HICKSVILLE REF NO:
175 E. OLD COUNTRY R HICKSVILLE, NY 11801
REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT MERRICK AVE
EWB/S 720 FT S /O STEWART AVE , EAST MEADOW
FOR PURPOSE OF: INSTL UG ELEC CABLE
NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALLATION OF APROX 100LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIES MUST BE LOCATED W/ TEST HOLES IN FIELD BY CONTRACTOR PRIOR TO START OF WORK. (SHEET #19/41)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00
NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.
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2) IF THE WORK UNDER THIS PERMIT HAS NOT STARTED WITHIN 30 DAYS FROM THE DATE OF ISSUE THE PERMIT IS VOID UNLESS EXTENDED BY THE COUNTY.
3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORATION WITHIN 90 DAYS OF START OF WORK.
4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /
SIZE OF OPENING: SIZE OF CUT BACK:
CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000
TEMPORARY PATCH INSTALLED:
PERMANENT PATCH INSTALLED: DATE COMPLETED:
KIND OF MATERIAL: SUPERVISION CHARGE:
INSPECTORS HOURS: ADDITIONAL CHARGE:
REFUND: DATE REFUNDED:
REMARKS:

INSPECTOR'S SIGNATURE DATE:

(ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628997-000-R

PERMITTEE: L.I.P.A., HICKSVILLE REF NO:

175 E. OLD COUNTRY R HICKSVILLE, NY 11801

REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT ROUND SWAMP ROAD

EWB/S 0 FT - 2100 FT N /O WINDING ROAD , BETHPAGE

FOR PURPOSE OF: INSTL UG ELEC CABLE

NOTES: (LIPA WO #T100441494) PERMIT TO OPEN ROAD/GRASS AREA FOR THE INSTALLATION OF APROX. 2100LF OF UNDERGROUND 345KV ELECTRIC CABLE. CEMENTITIOUS MATERIAL TO BE UTILIZED WHEN BACKFILLING TRENCH. CABLE CROSSING ROUND SWAMP RD. @ I/O WINDING RD. TWO WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE W/ NYS DOT MUTCD. ALL NC UG FACILITIES MUST BE LOCATED IN FIELD BY CONTRACTOR PRIOR TO START. (SHEETS 23,24&25/34)

239K: DEPOSIT NO. AMOUNT OF BOND $25,000.00

NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.

THE PERMITTEE EXPRESSLY WARRANTS THAT BY COMMENCING WORK, ANY AND ALL OTHER REQUIRED PERMITS AND PERMISSIONS HAVE BEEN OBTAINED AND ARE BEING COMPLIED WITH; AND THAT THE REQUIREMENTS OF ANY AND ALL APPLICABLE RULES AND REGULATIONS HAVE BEEN AND ARE BEING MET.

FAILURE TO COMPLY WITH ALL OF THE ABOVE TERMS AND CONDITIONS MAY RESULT IN THE SUSPENSION OR REVOCATION OF THIS PERMIT, AND THE COUNTY MAY DIRECT THE PERMITTEE TO RESTORE THE WORK AREA TO THE PRE-PERMIT CONDITION AT HIS/HER EXPENSE.

2) IF THE WORK UNDER THIS PERMIT HAS NOT STARTED WITHIN 30 DAYS FROM THE DATE OF ISSUE THE PERMIT IS VOID UNLESS EXTENDED BY THE COUNTY.

3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORATION WITHIN 90 DAYS OF START OF WORK.

4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /

SIZE OF OPENING: SIZE OF CUT BACK:

CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000

TEMPORARY PATCH INSTALLED:

PERMANENT PATCH INSTALLED: DATE COMPLETED:

KIND OF MATERIAL: SUPERVISION CHARGE:

INSPECTORS HOURS: ADDITIONAL CHARGE:

REFUND: DATE REFUNDED:

REMARKS:

INSPECTOR'S SIGNATURE DATE:

(ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628995-000-R

PERMITTEE: L.I.P.A., HICKSVILLE REF NO:

175 E. OLD COUNTRY R HICKSVILLE, NY 11801

REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT STEWART AVE

EWB/S 180 FT S /O ARTHUR AVE , BETHPAGE

FOR PURPOSE OF: INSTL UG ELEC CABLE

NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALLATION OF APROX 80LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIES MUST BE LOCATED W/ TEST HOLES IN FIELD BY CONTRACTOR PRIOR TO START OF WORK. (SHEET #12/34)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00

NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.

THE PERMITTEE EXPRESSLY WARRANTS THAT BY COMMENCING WORK, ANY AND ALL OTHER REQUIRED PERMITS AND PERMISSIONS HAVE BEEN OBTAINED AND ARE BEING COMPLIED WITH; AND THAT THE REQUIREMENTS OF ANY AND ALL APPLICABLE RULES AND REGULATIONS HAVE BEEN AND ARE BEING MET.

FAILURE TO COMPLY WITH ALL OF THE ABOVE TERMS AND CONDITIONS MAY RESULT IN THE SUSPENSION OR REVOCATION OF THIS PERMIT, AND THE COUNTY MAY DIRECT THE PERMITTEE TO RESTORE THE WORK AREA TO THE PRE-PERMIT CONDITION AT HIS/HER EXPENSE.

2) IF THE WORK UNDER THIS PERMIT HAS NOT STARTED WITHIN 30 DAYS FROM THE DATE OF ISSUE THE PERMIT IS VOID UNLESS EXTENDED BY THE COUNTY.

3) THE PERMITTEE IS RESPONSIBLE FOR MAINING OPENINGS AT ALL TIMES AND TO COMPLETE FINAL RESTORATION WITHIN 90 DAYS OF START OF WORK.

4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /

SIZE OF OPENING: SIZE OF CUT BACK:

CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000

TEMPORARY PATCH INSTALLED:

PERMANENT PATCH INSTALLED: DATE COMPLETED:

KIND OF MATERIAL: SUPERVISION CHARGE:

INSPECTORS HOURS: ADDITIONAL CHARGE:

DATE REFUNDED:

INSPECTOR'S SIGNATURE DATE:

ROAD OPENING ACT, NASSAU COUNTY)

TEL NO. (516) 545-2239

PERMIT

ISSUED DATE: 01/27/06 PERMIT NO: 06-0628994-000-R

PERMITTEE: L.I.P.A., HICKSVILLE REF NO:

175 E. OLD COUNTRY R HICKSVILLE, NY 11801

REFUND DEPOSIT TO:

IS HEREBY AUTHORIZED TO DO WORK AT N WANTAGH AVE

EWB/S 45 FT S /O UNIVERSE DR , LEVITTOWN

FOR PURPOSE OF: INSTL UG ELEC CABLE

NOTES: (LIPA WO #T100441494) PERMIT TO DIRECTIONAL BORE BENEATH NC ROAD FOR THE INSTALLATION OF APROX 65LF OF UNDERGROUND 345KV ELECTRIC CABLE. ALL NC UG FACILITIES MUST BE LOCATED BY TEST HOLES IN FIELD BY CONTRACTOR PRIOR TO START OF WORK.(SHEET #9/34)

239K: DEPOSIT NO. AMOUNT OF BOND $5,000.00

NOTICE RM

1) THE PERMITTEE ACKNOWLEDGES THAT THIS PERMIT DOES NOT RELIEVE HIM/HER FROM OBTAINING ANY AND ALL OTHER PERMITS OR PERMISSIONS, OR FOLLOWING ANY AND ALL RULES OR REGULATIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY, TOWN, CITY, OR VILLAGE AGENCY, DEPARTMENT, OR DIVISION; OR OTHER PUBLIC OR PRIVATE PARTIES; AND THAT THIS PERMIT DOES NOT SUPERCEDE ANY OF THE ABOVE.

THE PERMITTEE EXPRESSLY WARRANTS THAT BY COMMENCING WORK, ANY AND ALL OTHER REQUIRED PERMITS AND PERMISSIONS HAVE BEEN OBTAINED AND ARE BEING COMPLIED WITH; AND THAT THE REQUIREMENTS OF ANY AND ALL APPLICABLE RULES AND REGULATIONS HAVE BEEN AND ARE BEING MET.

FAILURE TO COMPLY WITH ALL OF THE ABOVE TERMS AND CONDITIONS MAY RESULT IN THE SUSPENSION OR REVOCATION OF THIS PERMIT, AND THE COUNTY MAY DIRECT THE PERMITTEE TO RESTORE THE WORK AREA TO THE PRE-PERMIT CONDITION AT HIS/HER EXPENSE.

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4) THE OFFICE OF HIGHWAYS & GENERAL ENGINEERING IS TO BE NOTIFIED (TEL. NO. 516-571-9601) 48 HOURS IN ADVANCE OF START OF ANY WORK AND ALSO 48 HOURS NOTICE IN ADVANCE OF RESTORATION.

*** SEE ATTACHED FOR OTHER CONDITIONS ***

OFFICE OF THE COMMISSIONER

INSPECTOR'S REPORT

WORK STARTED: / / WORK FINISHED: / /

SIZE OF OPENING: SIZE OF CUT BACK:

CONTRACTOR: SAME AS APPLICANT TELEPHONE NO.: (000) 000-0000

TEMPORARY PATCH INSTALLED:

PERMANENT PATCH INSTALLED: DATE COMPLETED:

KIND OF MATERIAL: SUPERVISION CHARGE:

INSPECTORS HOURS: ADDITIONAL CHARGE:

REFUND: DATE REFUNDED:

REMARKS:

INSPECTOR'S SIGNATURE DATE:

COUNTY OF NASSAU NEW YORK

K-2

Town of Hempstead Road Permits

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: 0118

DATE: 1/5/06 MAP #: 27 MAINT AREA: WANTAGH APPRVD: ___ FEE: 250.- PERMIT #: 260017

Rev. 02/24

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: HILLTOP RD

Hamlet: LEVITTOWN Sec: - Blk: - Lot: -

N.S.E.W. side of N.S OLD FARM RD @ HILLTOP RD

N.S.E.W. of

II. TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose INSTALL 345Kv CABLE ☐ Water ☐ Sewer ☐ Other ____ NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

SEE ATT'D DWG 50' ACROSS FROM HILLTOP RD E.W. INSTALL DUCT & MANHOLE SYSTEM IN LIPA ROW ~~STRAWBERRY LN E.S HICKORY~~

IV. IDENTIFICATION: *All applicants must complete this part* 50'Ac ~~FEET TO~~

	Name	Address	Tel. No.
Arch/Eng			
Contractor			

Owner/Applicant KEYSPAN, 175 E OLD COUNTRY RD, HICKSVILLE, NY 11801

I hereby agree to conform to all applicable laws of the Town of Hempstead.

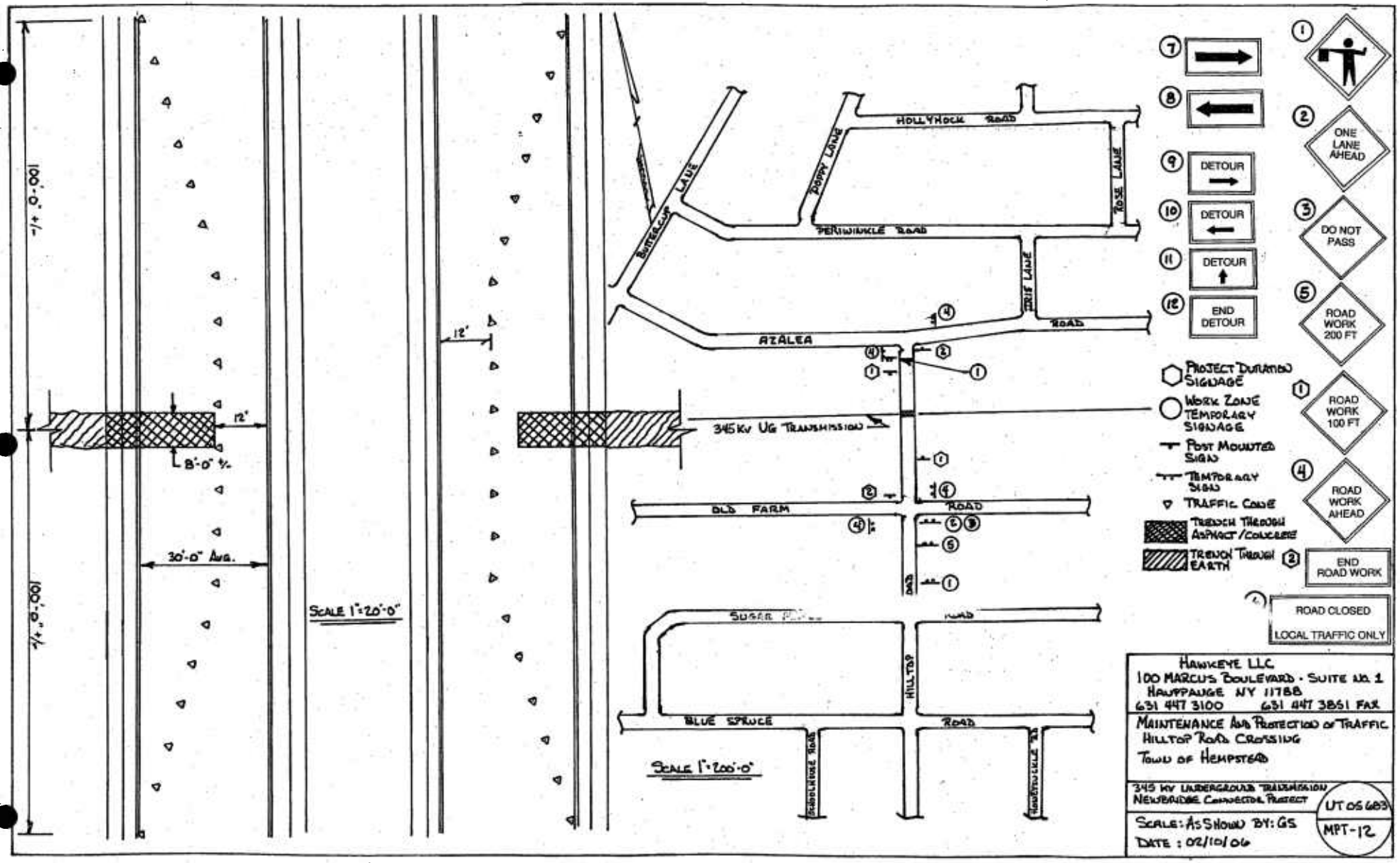
(Sign here) X William Moir

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector



HAWKEYE LLC
100 MARCUS BOULEVARD · SUITE NO. 1
HAUPPAUGE NY 11788
631 447 3100 631 447 3851 FAX

MAINTENANCE AND PROTECTION OF TRAFFIC
HILLTOP ROAD CROSSING
TOWN OF HEMPSTEAD

345 KV UNDERGROUND TRANSMISSION
NEWBRIDGE CONNECTOR PROJECT

UT 05 603

SCALE: AS SHOWN BY: GS
DATE : 02/10/06

MPT-12

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: 0118

PERMIT #: 360016 FEE: 250. APPRVD: AS MAINT AREA: Levittown NO MAP #: 40 DATE: 4/5/06

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: NEPTUNE LN ~~LEVITTOWN~~

Hamlet: LEVITTOWN Sec: — Blk: — Lot: —

N.S.E.W. side of N.S. MALLARD RD.

N.S.E.W. of INT NEPTUNE

II TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ___ Linear Ft. ___ TOH Order	☐ Remove ☐ Plant ___ No. Trees	☐ Road ☒ Sidewalk Area Purpose INSTALL 345 LF CABLE ☐ Water ☐ Sewer ☐ Other ___ NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

SEE ATT'D DWG. TRENCH DUCT IN MANHOLE SYSTEM IN LIPA ROW 50' ACROSS NEPTUNE ~~EXCEED~~'

IV. IDENTIFICATION: *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng			
Contractor			

Owner/Applicant KEYSPAN, 175 E. OLD COUNTRY RD, HICKSVILLE, NY 11801

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X William Moir

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: 0118

PERMIT #: 26-0018

FEE: $250.

APPRVD:

MAINT AREA: East Meadow

MAP #: 21e

DATE: 11/5/06

I. **LOCATION OF WORK:** *All applicants must complete this part.*

Number and Street: OLD WESTBURY RD.

Hamlet: EAST MEADOW Sec: — Blk: — Lot: —

N.S.E.W. side of S. S. ACCESS RD INCL INT OLD WESTBURY RD.

N.S.E.W. of

II **TYPE OF WORK:** *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose INSTALL 345KV cable ☐ Water ☐ Sewer ☐ Other NC Permit No.

III. **WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.**

SEE ATT'D DWG. TRENCH DUCT IN MANHOLE SYSTEM IN LIPA ROW @ S. SIDE OF ACCESS RD. ~~10'X500'~~ 85' Ac.

IV. **IDENTIFICATION:** *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng			
Contractor			

Owner/Applicant KEYSPAN, 175 E. OLD COUNTRY RD, HICKSVILLE, NY 11801

I hereby agree to conform to all applicable laws of the Town of Hempstead.
(Sign here) X William Moon

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector

Fees paid in relation to this application/permit are non-refundable. Make Check/Money Orders payable to the Town of Hempstead.

#: 0118

DATE: 1/5/06 MAP #: 27 MAINT AREA: Lev. North APPRVD: JS FEE: #250- PERMIT #: 2608019

I. LOCATION OF WORK: *All applicants must complete this part.*

Number and Street: STRAWBERRY LN

Hamlet: LEVITTOWN Sec: — Blk: — Lot: —

N.S.E.W. side of E.S OF STRAWBERRY LN

N.S.E.W. of N.S. HICKORY LN IN LIPA ROW

II TYPE OF WORK: *All applicants must complete this part*

Curb Cuts/Apron	Sidewalk/curb	Trees	Excavations in R-O-W
New Bldg/House ☐ Install Existing ☐ Install ☐ Widen ☐ Replace	☐ Install ☐ Replace ____ Linear Ft. ____ TOH Order	☐ Remove ☐ Plant ____ No. Trees	☐ Road ☒ Sidewalk Area Purpose INSTALL 345Kv cable ☐ Water ☐ Sewer ☐ Other ____ NC Permit No.

III. WORK PROPOSED-DESCRIBE IN DETAIL. ATTACH SITE PLAN IF REQUIRED.

SEE ATT'D DWG. INSTALL DUCT & MANHOLE SYSTEM IN LIPA ROW @ STRAWBERRY LN E. SIDE HICKORY - 48' ACROSS

IV. IDENTIFICATION: *All applicants must complete this part*

	Name	Address	Tel. No.
Arch/Eng			
Contractor			

Owner/Applicant KEYSPAN, 175 E. OLD COUNTRY RD. HICKSVILLE, N.Y. 11801

Project Manager T+D Project Management Dept

I hereby agree to conform to all applicable laws of the Town of Hempstead.

(Sign here) X William Moir

DO NOT WRITE BELOW THIS LINE FOR DEPARTMENT USE ONLY

Inspected by : _____ Date: _____

Comments : _____

White: Highway Department
Yellow: Applicant
Pink: Highway Field Inspector