

Con Edison

DOCUMENT # 1

Transformers in the OEM Zone

(South of Barclay St. - North of Albany St. - East of the Hudson River - West of Broadway)

<u>Vault Number</u>	<u>Location</u>	<u>Size</u>	<u>Type</u>	<u>PCB Count (PPM)</u>
		2800	OIL	10
		1000	OIL	1
		1120	OIL	10
		1000	OIL	10
		1120	OIL	22
		500	OIL	9
		500	OIL	7
		500	OIL	9
		1000	OIL	1
		1000	OIL	12
		1000	OIL	9
		1000	SIL	1
		1000	OIL	6
		1000	OIL	10
		1000	SIL	10
		1000	SIL	10
		1000	SIL	10
		1000	SIL	10
		500	OIL	7
		1120	OIL	17
		1000	OIL	1
		1000	OIL	2
		1000	OIL	10
		1000	OIL	10
		2000	OIL	4
		2240	OIL	10
		2500	OIL	9
		2500	OIL	2
		2500	OIL	10
		1000	OIL	5
		1000	OIL	5
		1000	OIL	10
		1000	OIL	1
		1000	OIL	17
		1000	OIL	1
		1000	OIL	4
		1000	OIL	10
		1000	OIL	22
		1000	OIL	3
		2500	OIL	1
		1000	OIL	10
		1000	OIL	9
		1000	OIL	9
		1000	OIL	1
		1000	OIL	1
		1120	OIL	10
		1000	OIL	10
		2800	OIL	10
		2800	OIL	10
		2000	AIR	
		2000	AIR	
		2000	AIR	
		2000	AIR	
		2000	AIR	
		2000	AIR	
		2000	AIR	

Public Safety - Critical Infrastructure

Fax: 212 259 9820

Sep 28 2001 13:07

P. 03

Con Edison

Transformers in the OEM Zone

(South of Barclay St. - North of Albany St. - East of the Hudson River - West of Broadway)

<u>Vault Number</u>	<u>Location</u>	<u>Size</u>	<u>Type</u>	<u>PCB Count (PPM)</u>
Public Safety - Critical Infrastructure		2800	OIL	35
		1000	OIL	5
		1000	OIL	10
		1000	OIL	10
		1000	OIL	9
		2500	OIL	1
		2000	OIL	10
		2500	OIL	1
		2500	OIL	9
		1000	OIL	10
		1000	OIL	10
		1000	OIL	7
		1000	OIL	23
		1000	OIL	9
		1000	OIL	4
		1000	OIL	21
		1000	OIL	1
		1000	OIL	9
		1000	OIL	10
		1000	OIL	20
		1000	OIL	10
		1000	OIL	10
		1000	OIL	1
		1000	OIL	19
		1000	OIL	10
		1000	OIL	23
		2800	OIL	1
		2800	OIL	1
		2800	OIL	15
		500	OIL	26
		500	OIL	7
		500	AIR	
		500	AIR	
		500	AIR	
		500	AIR	
		500	AIR	
		500	AIR	
		500	SIL	
		500	AIR	
		500	AIR	
		500	AIR	
		1000	SIL	
		1000	SIL	9
		1000	SIL	9
		1000	SIL	9
		1000	SIL	
		500	SIL	49
		500	OIL	5
		500	OIL	10
		1000	OIL	1
		1000	OIL	10
		1000	OIL	10
		1000	OIL	9
		500	OIL	10
		1000	OIL	9
		1000	OIL	10

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1:29 PM

Con Edison

Transformers in the OEM Zone

(South of Barclay St.- North of Albany St. - East of the Hudson River - West of Broadway)

<u>Vault Number</u>	<u>Location</u>	<u>Size</u>	<u>Type</u>	<u>PCW Count (PPM)</u>
		1000	OIL	10
		2500	OIL	10
		1000	OIL	10
		1000	OIL	10
		2500	OIL	10
		2500	OIL	10
		2500	OIL	10
		2500	OIL	10
		2500	OIL	1
		2500	OIL	9
		2500	OIL	9
		2500	OIL	1
		1000	OIL	10
		1000	OIL	10
		1000	OIL	10
		1000	OIL	1
		1000	OIL	10
		1000	OIL	10
		1000	OIL	10
		1000	OIL	1
		1000	OIL	10
		1000	OIL	6
		500	OIL	10
		2500	OIL	1
		2500	OIL	1
		1000	OIL	10
		1000	OIL	10
		1000	OIL	43
		1120	OIL	0
		1000	OIL	1
		1000	OIL	5
		1000	OIL	1
		1000	OIL	25
		1000	OIL	4
		1000	OIL	41
		1000	OIL	113
		2800	OIL	1
		2800	OIL	1
		2800	OIL	1
		2800	OIL	1
		2800	OIL	1
		2800	OIL	1
		2800	OIL	32
		2800	OIL	1
		2800	OIL	1
		2800	OIL	32
		1120	OIL	10
		500	OIL	10
		500	OIL	9
		500	OIL	10
		500	AIR	

Public Safety - Critical Infrastructure

Fax:2122599820

Sep 28 2001 13:07 P.05

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ConEd

From: O'Gara, James [OGARAJ@coned.com]
Sent: Thursday, September 27, 2001 1:25 PM
To: 'coned@oem.nyc.gov'
Subject: FW: World Trade Center PCB 2.xls & Transformers in the OEM Zone.xls
Importance: High
Follow Up Flag: Follow up
Flag Status: Flagged

fyi

-----Original Message-----

From: Martin, Joseph R.
Sent: Monday, September 24, 2001 2:10 PM
To: Brooks, William
Cc: Weisenfeld, Neil; Fox, Janet R; Schwarz, Edward; Greco, Anthony; O'Gara, James; Miller, Albert; Lee, Benjamin; Cohen, Barry; Connelly, Dennis E.; Ramon, Richard
Subject: FW: World Trade Center PCB 2.xls & Transformers In the OEM Zone.xls
Importance: High

The information about the PCB levels of the transformers located in street vaults was faxed to Chief Carruthers at approximately 1:30 this afternoon. In addition, the E2MIS report for the incident at WTC substation was also faxed at the same time. The fax number is 646 613 0465. I followed up with a phone call to the Chief and he said that the information arrived ok. Based on my conversation with Chief Carruthers, we should be in a position to let the Fire Department know where all of the materials mentioned on the E2MIS report were located so that proper precautions can be implemented as recovery operations progress.

Joe

-----Original Message-----

From: Brooks, William
Sent: Monday, September 24, 2001 1:09 PM
To: Martin, Joseph R.
Subject: FW: World Trade Center PCB 2.xls & Transformers in the OEM Zone.xls
Importance: High

Joseph, as discussed...

Bill Brooks
Central EH&S
1 (212) 460-6844

-----Original Message-----

From: Brooks, William
Sent: Monday, September 24, 2001 12:06 PM
To: Weisenfeld, Neil
Cc: Fox, Janet R; Schwarz, Edward; Greco, Anthony; O'Gara, James; Miller, Albert; Lee, Benjamin; Cohen, Barry; Connelly, Dennis E.; Ramon, Richard
Subject: FW: World Trade Center PCB 2.xls & Transformers In the OEM Zone.xls
Importance: High

Neil, here is the information requested by Chief Frank Carruthers and Chief Bob Ingram of the New York Fire Department, with the exception of a map showing the locations of transformers at WTC.

9/27/2001

-----Original Message-----

From: Greco, Anthony**Sent:** Monday, September 24, 2001 9:41 AM**To:** Miller, Albert; Brooks, William; O'Gara, James**Subject:** Transformers in the OEM Zone.xls

The attached list is the response to the NYFD request for PCB data on transformers at the WTC. A map of the location of the units is available in the ECC. The quantity of oil in the units is as follows:

500 & 560 kva units.....300 gallons

1000 & 1120 kva units.....450 gallons

2000 & 2240 kva units..... 590 gallons

2800 kva units.....650 gallons

-----Original Message-----

From: Ramon, Richard**Sent:** Thursday, September 13, 2001 4:30 PM**To:** Homyk, W. Alan**Subject:** World Trade Center Substation - Rev 1**World Trade Center Substation****Transformers** - all less than 10 ppm

Based on the information provided by Substations the main compartment of all the transformers for WTC 1 and WTC 2 substation have less than 10 ppm (some have less than 1). The ones that are listed as <10 ppm are such because the detection level at the time was 10 ppm.

Large Capacitors - all "zero" PCB**Rectifiers** - all dry type**Bushings** - no data - May have PCBs**Small capacitors** - no data - MAY have PCBs**Company-Owned Transformers within the World Trade**

6 AIR-COOLED Transformers - NO OIL

Customer-Owned Transformers

No Data

-----Original Message-----

9/27/2001

Fax:2122599820

Sep 28 2001 13:08 P.03

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From: Susco, Joseph**Sent:** Thursday, September 13, 2001 12:39 PM**To:** Ramon, Richard**Subject:** Capacitors, etc.

Rich, there are six capacitor banks at trade center, total of about 3600 gallons of oil - no pcbs.

There could be small capacitors in panels, but there isn't any accounting of these. They could be PCB containing.

There is a dry-type rectifier for the battery rooms.

-----Original Message-----

From: Chin, Edward**Sent:** Wednesday, September 12, 2001 5:17 PM**To:** Ramon, Richard; Keelan, Patrick**Cc:** Ciullo, Robert A.; Burns, Reynolds**Subject:** RE: Please confirm results with LSN #s

Rich- As per our discussion, the PCB levels listed below are confirmed to be in the correct range.

However, based on the ChemLab records according to the LSN #s, the following differences

were indicated:

LSN 95-08792- PCB levels of 1.0 PPM, are most likely < 1.0 PPM

LSN 92-03220- PCB levels of 10 PPM, are most likely < 10 PPM (MDL at the time).

Is there anything else?

ED CHIN

9/12/01

Bill Brooks
Central EH&S
1 (212) 460-6844

-----Original Message-----

From: Ramon, Richard**Sent:** Monday, September 24, 2001 11:19 AM**To:** Brooks, William**Subject:** FW: World Trade Center PCB 2.xls

Bill - this is what I gave Dennis Connelly this morning.

-----Original Message-----

From: Ramon, Richard**Sent:** Friday, September 14, 2001 9:51 AM

9/27/2001