



Monday, March 22, 2010

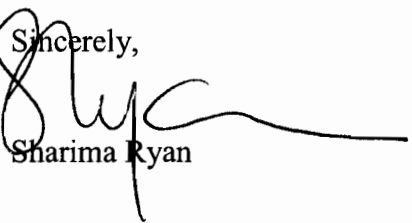
Mr. Andre Obligado  
Environmental Remediation Division  
New York State Department of Environmental Conservation  
Region 2  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407  
Phone: 718-482-6412  
Fax: 718-482-6390

MNS DEC REGION 2 RECEIVED

**Re: Cooper Tank & Welding – Sensitive Receptor Survey**  
**215 Moore Street**  
**Brooklyn, NY**  
**NYSDEC Spill No. 03-12904**

Dear Mr. Obligado:

Please find enclosed a letter report for the above referenced property that was prepared but may not have been submitted to your office. We are requesting closure on the referenced spill number. We appreciate your attention to this matter and if there is any additional information you need please do not hesitate to contact us.

Sincerely,  
  
Sharima Ryan

Ref. z/let-cove/2010/Cooper SRS Aobligado03222010



Thursday, July 3, 2008

Mr. Andre Obligado  
Environmental Remediation Division  
New York State Department of Environmental Conservation  
Region 2  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407  
Phone: 718-482-6412  
Fax: 718-482-6390

**Re: Cooper Tank & Welding  
215 Moore Street  
Brooklyn, NY  
NYSDEC Spill No. 03-12904**

Dear Mr. Obligado:

This letter summarizes the results of a Sensitive Receptor Survey conducted to quantify the risks associated with a release from an underground storage tank (UST) reported to the NYSDEC in 2003. A site location map is included as **Figure 1** and a site diagram is included as **Figure 1A**.

The property is located on Moore Street (address range 207-219) and consists of offices and a warehouse designed for the manufacturing of steel sanitation containers by Cooper Tank and Welding. The property is located in a commercialized section of Brooklyn and is bordered on the north by Our Lady of the Rosary of Pompeii Church, on the south by Wonton Food, Inc., on the east by JC Contractors (demolitions/concrete foundations), and on the west by Euro Glass and Tile and a bakery. The 1,080 gallon UST was located in the southwest corner of the welding shop under a concrete floor and previously contained diesel fuel that was used for fueling Cooper Tank's heavy equipment. The NYSDEC was informed that the tank had failed a tightness test and the site was assigned spill number 03-12904. On February 24, 2004, RND Services Inc., (RND) removed the UST. Post excavation samples indicated that residual contamination may exist along the south (PE-2) and north (PE-5) sidewalls (see **Table 1** and **Figure 2**, attached). Additional soil removal was not feasible in these directions for practical and structural reasons – additional soil removal would entail moving the permanently attached heavy machinery, breaking up the additional concrete flooring and compromising the support column. Before backfilling, 60 pounds of Oxygen Release Compound (ORC) was applied and slurried in the excavation. At the conclusion of tank removal activities, four (4) 6-inch sumps wells were installed to an approximate depth of eight (8) feet below grade to monitor groundwater conditions. Since the completion of the tank removal activities, RND has conducted three (3) groundwater sampling events to comply with the request of the NYSDEC and is submitting this Potential Receptor Survey in order to petition for spill closure. Sampling occurred on the following dates: November 1, 2006 (initial); April 3, 2007; and July 19, 2007. The average depth to groundwater is 4.22 feet below grade; depth to groundwater has ranged from 4.09 to 5.5 feet below grade. Groundwater flow in the general area is expected to be west by southwest toward the East River.

The potential for direct contact or ingestion of contaminated media was evaluated by identifying physical barriers, such as pavement and down gradient surface water bodies and determining groundwater use. Since groundwater in this area is not used as a source of potable water and there are no surface bodies of water within 2,000 feet of the subject property (the closest surface body of water is the English Kills {tributary of the Newtown Creek}) and the area is effectively capped (concrete pavement, sidewalk, streets etc.), it was determined that potential receptors in the site vicinity would generally include those that would come in contact with groundwater that had been impacted by residual contaminants identified above or those that would be affected by vapors emitted from the affected groundwater. Because the area of concern is a fully developed commercialized area, the predominant pathway for exposure (vapor intrusion) would be along foundation perforations for subsurface features including electrical, gas, sewer and water utility pipes/cables.

To identify utilities in the area, RND reviewed an architectural survey supplied by Cooper Tank dated June 1984, submitted freedom of information requests (FOIL) to the DEP Bureau of Water and Sewer Operations, the New York City Transit, and requested a utility mark out from the New York City One Call Center and Long Island (NYCLI) to mark out existing utilities. RND also conducted a site visit of the property.

The architectural survey identified electrical conduit, natural gas mains, sewer systems, and water mains which run parallel with Moore Street. The only underground utility connection to the Property shown on the survey is the electrical conduit connecting approximately 30 feet east (toward White Street) of the original tank location. A copy of the architectural survey is included as **Attachment 2**.

On April 16, 2008 a FOIL request was sent to the NYCDEP Bureau of Water and Sewer Operations (BWSO) to determine the size, depth and locations of municipal sewer and water main lines. A copy of the NYCDEP Water Main Distribution Map is located in **Attachment 3**. One (1) 12-inch water main runs under Moore Street, parallel to the Cooper Tank building 6 feet from the curb. The curb is 15' wide, therefore the water main line is located approximately 21 feet from the southern extent of the excavation. According to the Water Main Distribution Map the water main is connected to three fire hydrant breakaways. Since no other water lines are indicated on the Water Main Distribution Map, it is assumed that this water line also supplies the warehouse with potable water. Depth of the water main could not be determined, however, New York City mains are typically buried at a depth of 3 to 4 feet below grade.

On April 14, 2008 a request was sent to the NYCDEP Sewer Department to determine the location of sewer lines near the target area. A copy of the NYCDEP sewer map is included as **Attachment 4**. According to the NYCDEP sewer map, one (1) 12 inch combined sewer pipe runs parallel to the Cooper Tank warehouse in the middle of Moore Street approximately. It appears that five (5) sewer lines from the Cooper tank warehouse connect to the sewer main at various points, but due to the complexity of the map, the exact position in reference to the excavation could not be determined. The five (5) lines from Cooper Tank connect to the sewer main that flows towards White Street with an ultimate end point to a New York City Wastewater Treatment Plant. Depth of the sewer main could not be determined.

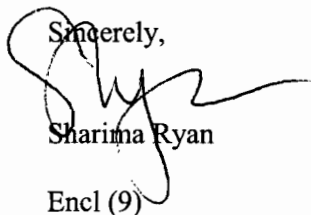
The Consolidated Edison markings for natural gas and electric underground utilities corresponded with those on the Architectural Survey. Natural gas pipelines run along Moore Street along the edge of the sidewalk parallel with the Cooper Tank warehouse along the edge of the sidewalk. The natural gas pipeline is approximately 12 feet from the limits of the excavation and enters the property approximately 60 feet east from the former excavation (near the #215 office door entrance). The electrical conduit runs parallel to the Cooper Tank warehouse along the curb of Moore Street approximately 10 feet from the limits of the excavation. The nearest underground utility which enters the building is the electrical conduit which enters the building approximately 30 feet from the former excavation. Depth of the natural gas pipelines and electrical conduit could not be determined, however, natural gas pipelines are typically buried at a depth of 3 - 4 feet below grade.

There are no subway tunnels in the area as indicated by the FOIL response from Ms. Juliet Williams of the MTA. A copy of the letter can be found as **Attachment 5**. Additionally, no telephone manholes were identified in the street in front of the property according to the Architectural Survey. Verizon, AT&T, Cablevision and Time Warner indicated that their underground utilities are clear from the target area and were also not located on the Architectural Survey.

Organic vapor levels above background were not detected in the warehouse during the receptor survey primarily because the warehouse is operated with all service bay doors opened. The apparent area of impact is paved with intact concrete therefore exposure by direct contact with contaminated media is unlikely. No public water supply wells or private drinking water wells are present within a 0.5 mile radius and no surface water bodies were identified at the site or adjoining properties.

Separate phase hydrocarbons have not been present in the wells and no immediate threat to human, health, safety or sensitive environmental receptors have been indicated. The only identified potential for exposure is by personnel excavating in the vicinity of the former UST/excavation an unlikely scenario since the nearest utility is the natural gas lines 12 feet away most likely lying above the water table. RND believes that since the source of the contamination has been removed, the area is "capped" and exposure pathways are limited, the contamination from the 2003 spill poses no significant threat and that natural attenuation will effectively address the remaining VOC's. Therefore, RND respectfully requests the closure of spill number 03-12904.

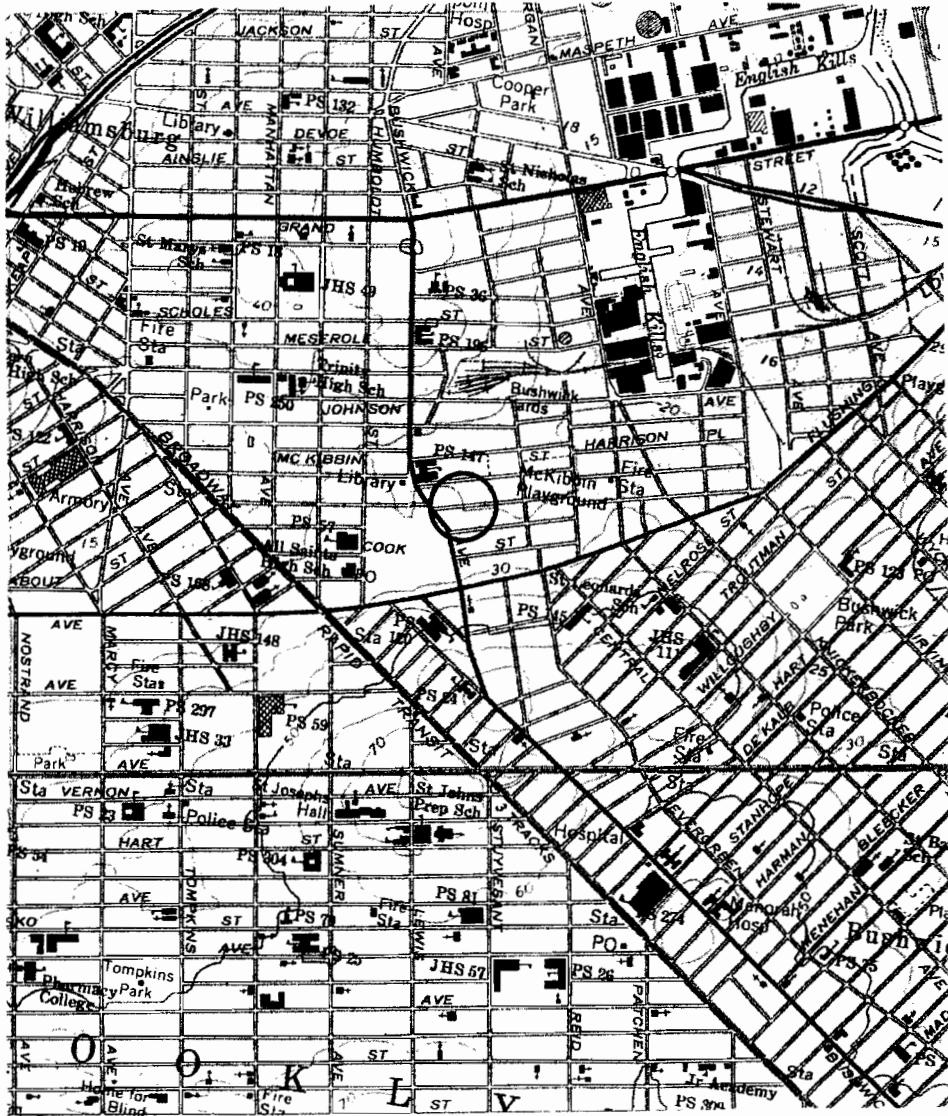
Sincerely,



Sharima Ryan

Encl (9)

cc. Mr. David Hillcoat



**RND**  
Services Inc.

10 Waldron Avenue  
Nyack, NY 10960

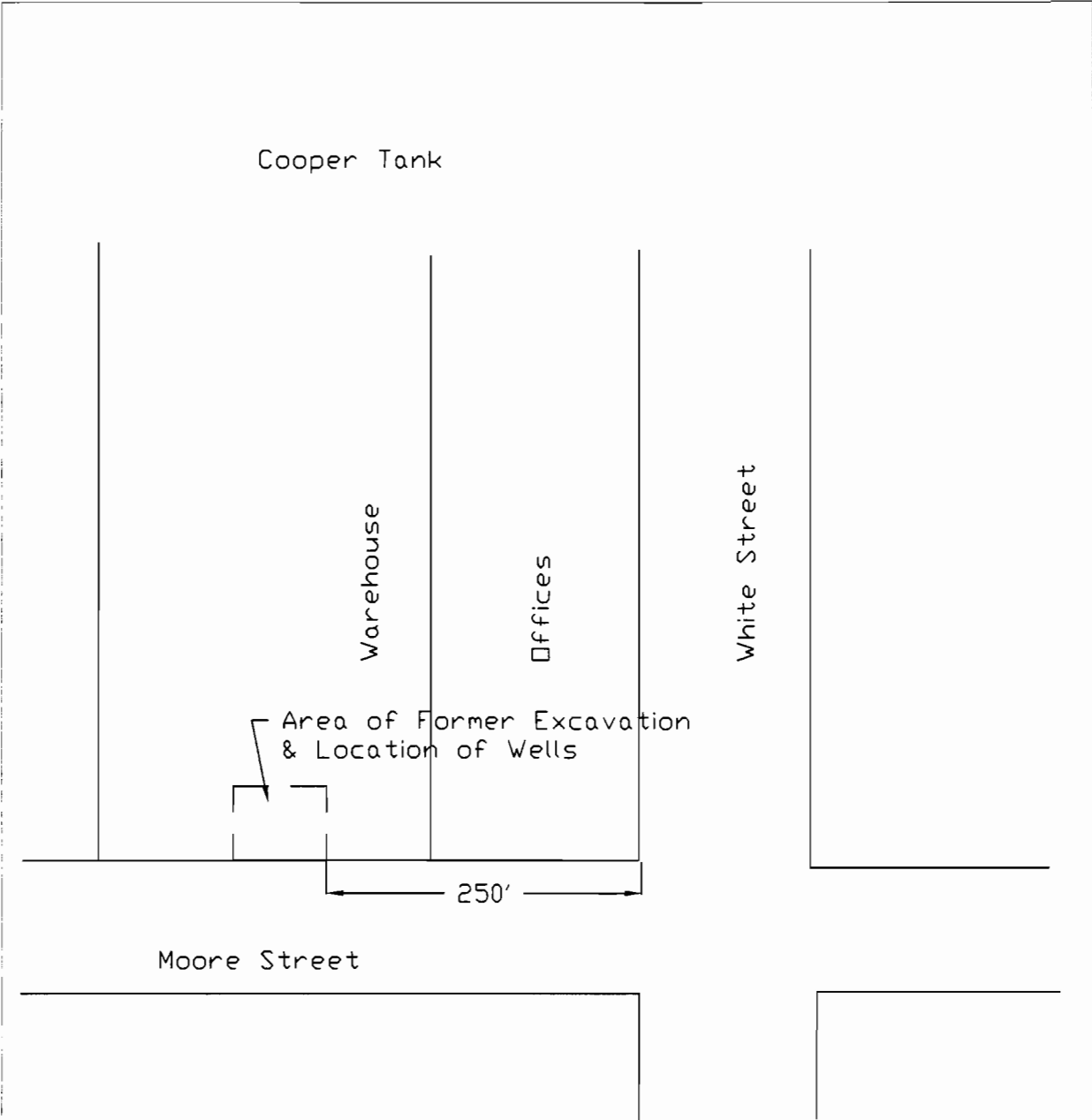
215 Moore Street  
Site Location Map


Installation Date:

RND Project No:

Scale  
N/A

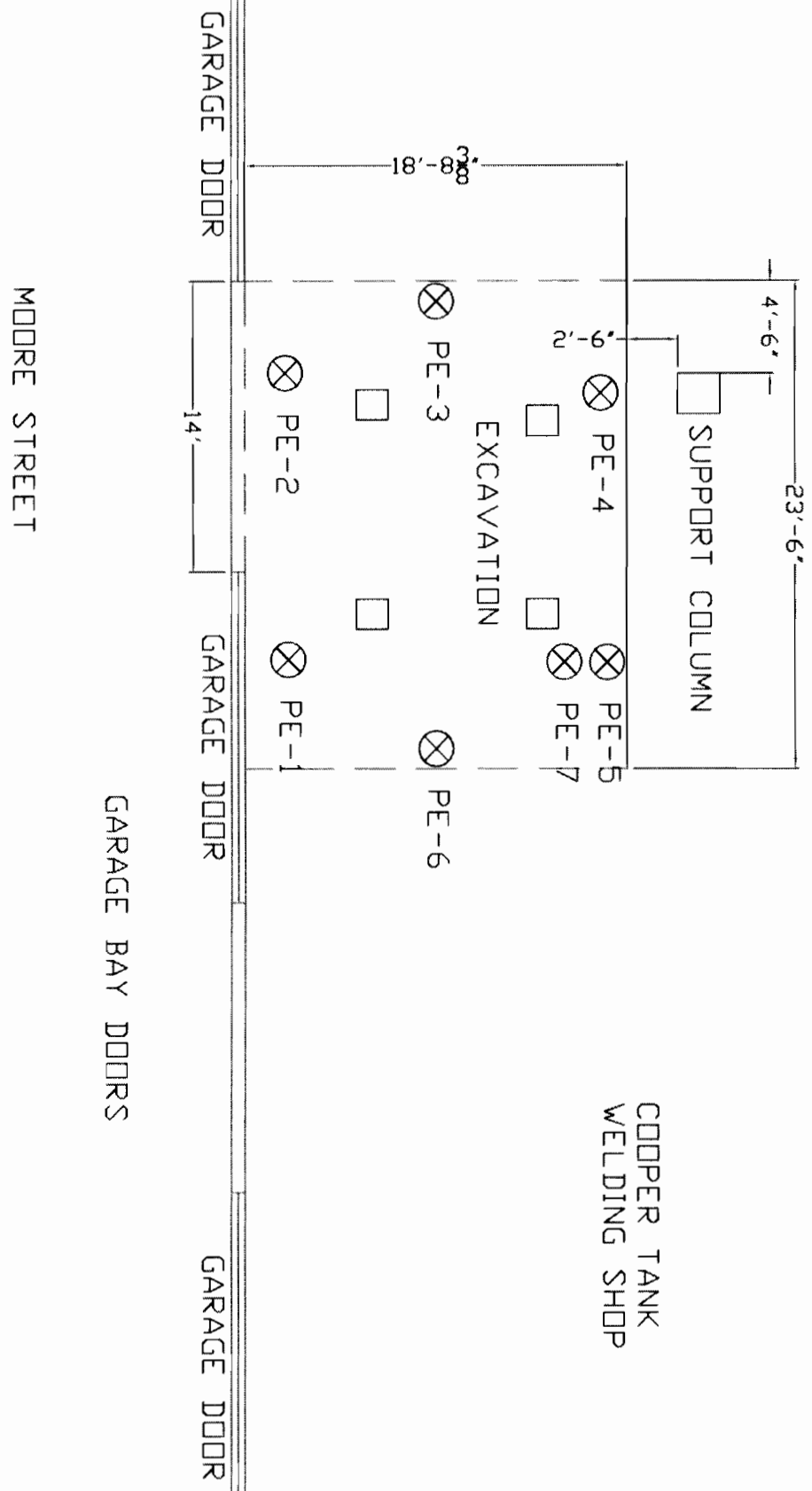
Drawing No:  
Figure 1



		10 Waldron Avenue Nyack, NY 10960	
215 Moore Street Brooklyn, NY			
Installation Date:		RND Project No:	
Scale: NA		Drawing No: Figure 1A	



- LEGEND**
- ⊗ PE-1 POST EXCAVATION SOIL SAMPLING LOCATION
  - MONITORING WELL LOCATION



COOPER TANK OFFICES  
215 MOORE STREET

**RND**  
Services Inc.  
10 Waldron Ave  
Nyack, New York 10960

Cooper Tank

Installation Date: 02-25-04	RND Project No.: 2004-08
Scale: 1/8" = 1'	Drawing No.: Figure 2

5/18/06

**TABLE 1**  
**Post-Excavation Soil Sample Results**  
**Cooper Tank Welding Corp.**  
**215 Moore Street**  
**Brooklyn, New York**

March 1, 2004

Soil Sample Location	PE-1	PE-2	PE-3	PE-4	PE-5	PE-6	PE-7	NYSDEC TAGM RSCO (ppm)
<b>Laboratory Identification</b>	04030096-01	04030096-02	04030096-03	04030096-04	04030096-05	04030096-06	04030096-07	
<b>Volatile Organic Compounds</b>								
1,2,4-Trimethylbenzene	2.6	57	ND	2.1	12	ND	0.073	10*
1,3,5-Trimethylbenzene	0.75	16	ND	0.15	4.6	ND	0.019	3.3
Benzene	ND	0.12	ND	ND	ND	ND	ND	0.06 or MDL
Ethylbenzene	0.12	6.5	ND	ND	0.68	ND	0.052	1.5
Isopropylbenzene	0.13	3.7	ND	1.6	0.97	ND	0.01	2.3
Naphthalene	2.1	32	ND	1.2	14	0.16	ND	13
n-butylbenzene	0.32	15	ND	6.6	0.29	0.14	ND	10*
n-propylbenzene	ND	8.5	ND	3.3	1.7	ND	0.01	3.7
Total Xylenes	0.54	33.7	ND	ND	1.93	ND	0.198	1.2
p-Isopropyltoluene	ND	5	ND	1.8	1.7	0.059	ND	10*
sec-Butylbenzene	0.41	5.9	ND	3.5	2.2	0.074	ND	10*
Toluene	ND	1.2	ND	ND	ND	ND	ND	1.5
<b>Polynuclear Aromatic Hydrocarbon</b>								
Acenaphthene	0.35	3.6	ND	0.72	ND	ND	ND	50*
Anthracene	ND	ND	ND	5.3	2.3	ND	ND	50*
Benzo(a)anthracene	ND	ND	ND	ND	2.2	ND	ND	0.224 or MDL
Fluoranthene	ND	ND	ND	0.59	ND	ND	ND	50*
Fluorene	0.55	5.3	ND	0.65	ND	ND	ND	50*
Naphthalene	0.43	18	ND	ND	ND	ND	ND	13
Phenanthrene	1.8	18	ND	2.4	ND	ND	ND	50*
Pyrene	0.58	5	ND	1.2	ND	ND	ND	50*

Notes:

Only those compounded detected are indicated.

Shaded areas indicate levels exceed the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objective (RSCO)

ND - Not Detected

ppm - parts per million



**ATTACHMENT 1**  
**NYSDEC CORRESPONDENCE**

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation, Region 2**

47-40 21<sup>ST</sup> Street, Long Island City, NY 11101-5407

Phone: (718) 482-6412 • FAX: (718) 482-6390

Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Denise M. Sheehan  
Commissioner

January 10, 2007

Adriene Cooper  
Cooper Tank and Welding  
215 Moore Street  
Brooklyn, NY 11206

Re: 215 Moore Street, Brooklyn, NY  
Spill # 0312904

Dear Ms. Cooper:

The New York State Department of Environmental Conservation (the Department) has received and reviewed the ground water sampling report dated November 28, 2006, submitted by RND Services, Inc. According to the report, ground water has been found to be contaminated with petroleum in excess of ground water standards in all 4 monitoring wells at the site. The Department requires that the 4 monitoring wells be gauged for the presence of LNAPL and sampled for VOCs according to EPA method 8260 on a quarterly basis for at least 2 more quarters. After 2 more quarters of ground water monitoring, if contaminant concentration trends remain level or are decreasing and no floating product is detected a sensitive receptor survey and petition for spill closure can be submitted.

The results of the 1<sup>st</sup> Quarter 2007 monitoring report must be submitted by March 31, 2007. If you wish to discuss this letter, please call my office at (718) 482-6412.

Sincerely,

Andre Obligado  
Engineering Geologist  
Environmental Remediation Division  
Region 2

cc: S. Ryan (RND Services)

**ATTACHMENT 2**  
**ARCHITECTURAL SURVEY**

(stored separately)

**ATTACHMENT 3**  
**NYCDEP WATER MAIN DISTRIBUTION MAP**

WS 246  
 SGM-31702  
 346

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER SUPPLY

Loc # 59

Borough of BROOKLYN, New York City

C. #1

DATE SEPTEMBER, 1987

MOORE ST. BET. BUSHWICK AVE AND  
WHITE ST., NEW 12" MAIN - BED 730

TREVAN  
HANNA

BUSHWICK AVE

1+21

U.R.

1700  
 AMBROSINO

CHECKED BY JTTP

ALL JOINTS (M.J.)  
 EXCEPT NOTED (U)

ALL JOINTS RESTRAINED  
 EXCEPT NOTED (U. R.)

HYDT. REM.

T.O. 9/8/87  
 P.L. " "  
 T.C. " "  
 P.E. 3" / 6" (Asph./con.)

1+21.46  
 8" 22Y B  
 B.W.S.  
 1+25.42  
 8" SLV.  
 1+30  
 8" X 12" RED.

2+38.89  
 .12X6 3-WAY  
 .6" S+S 1-3'  
 .6" VAL.+H.V.B.  
 .6" S+S 5-8'  
 HYDT. C.I.D.  
 T.C. 2, 2 FENS.

T. 12" CAP  
 T. 6" CAP  
 3+65.19

3+49.19  
 12" SLV.

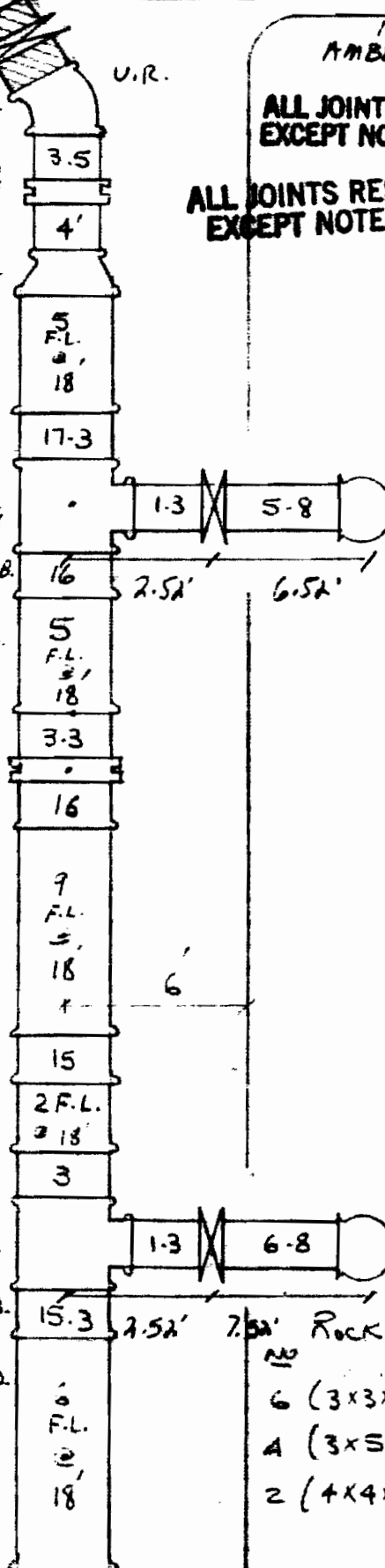
MOORE ST.

9/10/87  
 P.L. " "  
 T.C. " "  
 P.E. 3" / 6" (Asph./con.)

5+82.19  
 .12X6 3-WAY  
 .6" S+S 1-3'  
 .6" VAL.+H.V.B.  
 .6" S+S 6-8'  
 HYDT. C.I.D.  
 T.C. 2, 2 FENS.

T. 12" CAP  
 T. 6" CAP  
 7+06.49

7+06.49



ROCKS:  
 6 (3x3x3) = 640.Y.  
 4 (3x5x5) = 11.11  
 2 (4x4x4) = 4.74

4920

WS 246  
50M-31702  
340

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY

Borough of BROOKLYN New York City

DATE SEPTEMBER 1987

Loc. # 59

C. # 2

MOORE ST. BET. BUSHWICK AVE & WHITE ST.

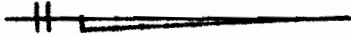
NEW 12" W/M - DED 730

TEREVAN  
HANNA

AMBROSIO

\* HYD. REM.

CHECKED BY JTC  
ALL JOINTS (M.J.)  
EXCEPT NOTED (U)



ALL JOINTS RESTRAINED  
EXCEPT NOTED (U. R.)

1' COVER

MOORE ST.

9/11/87

T.O.  
12" P.L.

T.C.  
P.E.

3" Asph. / 6" Cox

7+06.49 A

9+51.49

12" SLV.

9+58.99

- .12 X 6 3WAY
- .6' S + 5' 4'
- .6' VAL. + H.V.B.
- .6' S + 5' 4.1'
- .HYD. C.I.D.
- .T.L.P. 2 FEND.

10+42.08

12" VAL.

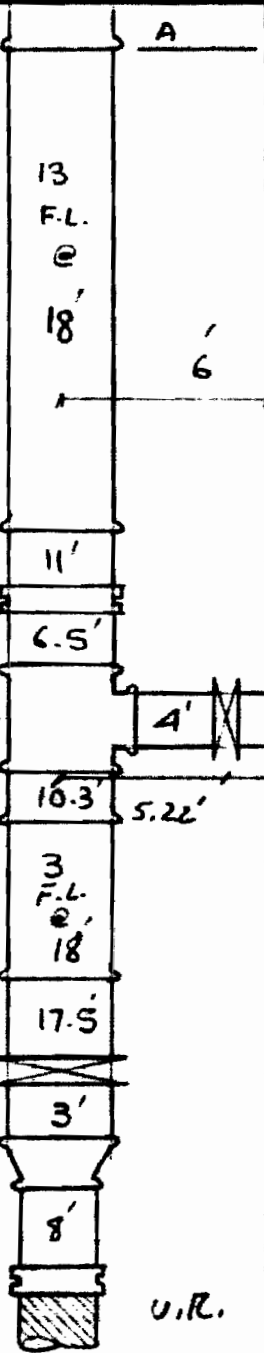
+ M.L.V.B.

10+45.95

12" X 8" RED.

10+54.54

8" SLV.



U.R.

Rock:

- 3 (3x3x4) = 4 C.Y.
- 4 (4x4x4) = 9.48 C.Y.
- 7 (3x3x3) = 7 C.Y.

WHITE ST.

10+61

49209

MCKIBBIN ST

SEIGEL ST

7 SN

6 SN

7 SN

MOORE ST

VARET ST

6 SN

MCKIBBIN CT

SEIGEL ST

12" 1987 (49208-7)

MOORE ST

12" 1987 (49208-9)

MOORE ST

VARET ST

08" 1987 (49203-4)

SEIGEL CT

12" 2002 (59624-5)

60" 2002 (59610)

20" 2001 (59620,59622)

60" 2002 (59607-10)

20" 2001 (59613,59616-20)

WHITE ST

6 SN

WATER MAIN DISTRIBUTION MAP  
from CDSS Geographics (JMS, KJMS)

1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
1"	1"	1"	1"	1"	1"	1"	1"	1"	1"
1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
8"	8"	8"	8"	8"	8"	8"	8"	8"	8"
10"	10"	10"	10"	10"	10"	10"	10"	10"	10"
12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
15"	15"	15"	15"	15"	15"	15"	15"	15"	15"
18"	18"	18"	18"	18"	18"	18"	18"	18"	18"
24"	24"	24"	24"	24"	24"	24"	24"	24"	24"
30"	30"	30"	30"	30"	30"	30"	30"	30"	30"
36"	36"	36"	36"	36"	36"	36"	36"	36"	36"
42"	42"	42"	42"	42"	42"	42"	42"	42"	42"
48"	48"	48"	48"	48"	48"	48"	48"	48"	48"
54"	54"	54"	54"	54"	54"	54"	54"	54"	54"
60"	60"	60"	60"	60"	60"	60"	60"	60"	60"
72"	72"	72"	72"	72"	72"	72"	72"	72"	72"
84"	84"	84"	84"	84"	84"	84"	84"	84"	84"
96"	96"	96"	96"	96"	96"	96"	96"	96"	96"
108"	108"	108"	108"	108"	108"	108"	108"	108"	108"
120"	120"	120"	120"	120"	120"	120"	120"	120"	120"

SYMBOLS

UPDATED MAIN CENTERLINE

Connections:

- GAUGE - Mullis
- CAP
- PLUG
- 3WAY
- 4WAY
- VENTURI
- REDUCER
- AIR VENT
- EXPANSION JOINT
- MANHOLE
- TRANSFORMER
- VALVE
  - 1 Closed or Boundary Buttery
  - 2 Open Butterfly
  - 3 Open Check
  - 4 Closed or Boundary 3r Gate
  - 5 Open Gate
- HYDRANTS
- BREAKAWAY
- STANDARD
- UNKNOWN
- HYDRANT VALVE

NOTES:

1. ALL INFORMATION IS BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA.

2. THIS MAP WAS CREATED FROM THE DATA PROVIDED BY THE CLIENT AND IS NOT A GUARANTEE OF ACCURACY.

3. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE DATA AND INFORMATION PROVIDED.

4. THIS MAP IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

5. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE WATER MAIN SYSTEM.

6. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE DATA OR INFORMATION PROVIDED.

7. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE WATER MAIN SYSTEM.

8. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE DATA OR INFORMATION PROVIDED.

9. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE WATER MAIN SYSTEM.

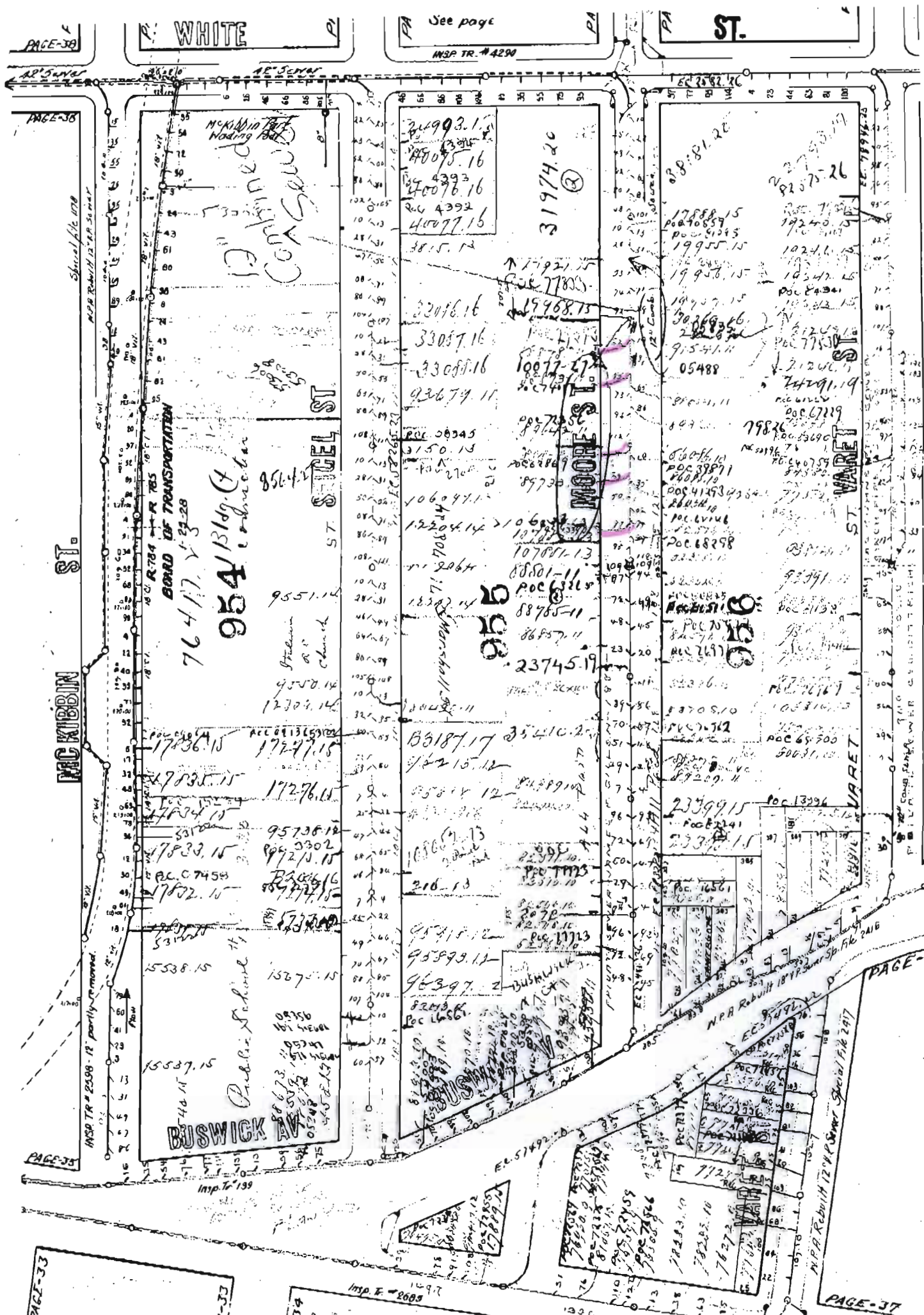
10. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE DATA OR INFORMATION PROVIDED.



**ATTACHMENT 4  
NYCDEP SEWER MAP**



Book 02  
Page 36



PAGE-38  
PAGE-38  
PAGE-38  
PAGE-33

WHITE  
See page  
ST.

McKibbin  
Mading Road

BOARD OF TRANSPORTATION  
76 4 17 23-28  
954 Bldg. Construction

956-4  
ST. SUGEL ST

MOORE ST

VARET ST

Mc KIBBIN ST.

BUSWICK AV

PAGE-37

**ATTACHMENT 5  
MTA FOIL RESPONSE**

130 Livingston Street  
Brooklyn, NY 11201

Howard H. Roberts, Jr.  
President

4/4/08



## New York City Transit

April 1, 2008

Mr. James Wilson  
RND Services Inc.  
10 Waldron Avenue  
Nyack, NY 10960

Re: Freedom of Information Law  
Request No. 13277

Dear Mr. Wilson:

This is in response to your Freedom of Information Request for records relating to "Spills" at or near 215 Moore Street, in Kings County.

Please be advised that NYC Transit's Office of System Safety has researched the subject location and found that Cooper Tank and Welding Corporation had a spill (No. 0312904) near the above-referenced location on February 23, 2004. With respect to subway tunnels, NYC Transit Maintenance of Way (MOW) has confirmed that there are no existing tunnels in the area.

Should you require further assistance, you may contact NYC "On Call" at 1-800 -272-4480 to request a utility stake out.

We hope that the information is helpful.

Sincerely,

  
Juliet F. Williams  
Deputy Foil Officer