TANK INSPECTION REPORT
WRIGHT-MALTA CORPORATION PROPERTY
MALTA ROCKET FUEL AREA
SUPERFUND SITE
TOWNS OF MALTA AND STILLWATER
SARATOGA COUNTY, NEW YORK

May 1991

Prepared by

Geraghty & Miller, Inc.
125 East Bethpage Road
Plainview, New York 11803
(516) 249-7600

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TANK INSPECTION REPORT
WRIGHT - MALTA CORPORATION PROPERTY
MALTA ROCKET FUEL AREA SUPERFUND SITE,
TOWNS OF MALTA AND STILLWATER
SARATOGA COUNTY, NEW YORK

INTRODUCTION

On May 3, 1991, Geraghty & Miller, Inc. personnel inspected excavated tanks at the Wright-Malta Corporation Property on the Malta Rocket Fuel Area Superfund Site (MRFA) (Figure 1). The purpose of the inspection was to collect data on a tank removal by Wright-Malta Corporation during April 1991 (Figure 1). The inspection included documenting the condition of five excavated tanks and their former locations, interviewing employees associated with the tank removal and photographing the tanks, tank locations, and tank piping.

The information gathered during the site visit will be used by EPA to determine whether the tanks can be excluded from further investigation pursuant to Section 4.28 of the EPA-approved RI Work Plan and the petroleum exclusion in CERCLA.

BACKGROUND

In December 1990, Mr. G. Bradley of the New York State Department of Environmental Conservation (NYSDEC) Region 5 in Warrensburg, New York inspected tank removals by the New York State Energy Research and Development Agency (NYSERDA) at the MRFA site. During his visit, he became aware of underground tanks on Wright-Malta Corporation property. On December 27, 1990, Mr. Bradley wrote to Wright-Malta requesting that they register their tanks with the NYSDEC. On March 19, 1991, Mr. Ray Kazyaka, President of Wright-Malta, submitted a registration application for two active aboveground and seven active underground storage tanks to the NYSDEC

(Oatman, 1991). A petroleum bulk storage tank registration certificate was issued by NYSDEC to Wright-Malta on April 22, 1991.

During the first week of April 1991, Wright-Malta excavated five abandoned underground storage tanks (USTs). Two gasoline tanks and a fuel oil tank were removed from the Building 15 area, and two fuel oil tanks were removed from the Building 28 area (Kazyaka, 1991) (Figure 2). The following week, Mr. Kazyaka informed Mr. Bradley of NYSDEC-Warrensburg that he had removed the tanks. On April 15, Ms. H. Oatman met with Mr. Kazyaka at the MRFA site and inspected the removed tanks. When she arrived, she found that the tank excavations had been filled and the tanks had been moved to a storage area. Ms. Oatman filed a report of her site visit and tank inspection with the EPA Region II office. Subsequently, the EPA requested more information and a site inspection by Geraghty & Miller.

Copies of the following letters and documents are included in Appendix A:

- December 27, 1990 NYSDEC letter to Wright-Malta Corporation.
- April, 1991 Petroleum Bulk Storage Registration Certificate
- April 15, 1991 NYSDEC Tank Inspection Notes
- April 23, 1991 NYSDEC Tank Inspection Summary Letter

SITE VISIT SUMMARY

On May 3, 1991, Mr. David Stockar, a Staff Scientist at Geraghty & Miller, visited the MRFA site. He met with Mr. Kazyaka who showed him the filled-in tank sites at Building 15 and 28. Mr. Stockar's Daily Logs are provided in Appendix B. Together, they reconstructed the location of the tanks and the piping which were sketched by Mr. Stockar (Appendix C). Later, Mr. Stockar inspected the five excavated tanks and the tank piping. Mr. Kazyaka and two current employees who performed the tank removal were interviewed and the conversations were recorded on written logs (Appendix D). The employees stated

that no soil staining or hydrocarbon odors were observed during the excavation and that the tanks did not leak.

Mr. Stockar examined the tanks and the surface area of the former tank locations for product staining and found none. He inspected the source area of the soil fill and found the soil to be free of odor and staining. He obtained several photographs of the tank excavations taken by Mr. Kazyaka and maintained a photographic record of the site visit (Appendix E).

According to Wright-Malta personnel, the tanks were installed in 1945 or 1946. They had no identification numbers and had been abandoned for 20 years. The past contents of the tanks are described on a figure showing tank locations (Figure 2) and, according to Wright-Malta employees, these descriptions are accurate. Invoices documenting the past contents are unavailable. Mr. Kazyaka provided representative fuel oil invoices from the years 1990 and 1991 (Appendix A) to illustrate that he routinely places bulk standing orders with his supplier and distributes petroleum products among the tanks as needed.

TANK INSPECTION SUMMARY

The tanks were constructed of 1/4-inch thick, asphalt-coated steel. Much of the asphalt was still present. Upon inspection, the USTs and piping appeared sound. There was no product staining on the tanks, pipes or soil on the tank surfaces. The tank seams, bongs and pipe weldings appeared sealed and were unstained. The tanks and pipes had surficial rusting and minor pitting, but holes or evidence of leakage were not observed. The surface soil in the former tank areas was also free of product staining.

A summary of tank specifications is provided in Table 1. A detailed description of each tank is presented in the tank inspection summary below. It should be noted that there is a discrepancy between the tank volumes reported in the NYSDEC's April 23 letter and those reported below. The volumes reported by Geraghty & Miller are believed to be

accurate. They are based on the volumes shown in Figure 2 and are consistent with the tank sizes observed in the field.

Tank 1

ID No:	None
Content:	Gasoline
Size:	3,000 gallons
Location:	Building 15
Map:	Sketch No. 1 (Appendix C)
Age:	~ 45 years
Type:	1/4-inch, asphalt-coated steel
Condition:	Very good, no holes or evidence of leakage

Description of Tank:

The tank was surficially rusted. It had minor pitting but no holes. The seams were intact. There was no product staining or evidence of leakage. The bottom of the tank was also intact. It had remnants of asphalt coating.

Description of Piping:

The fill-pipe and bong areas were free of any product staining. The pipe was cut, exposing a 1/4-inch thick steel wall. The piping was surficially rusted and slightly pitted.

Description of Soil:

The tank excavation had been filled in prior to the site visit. Soil on the sides of the tank was free of product staining. No staining of surface soil at the former tank location was

observed by Geraghty & Miller. Photographs 1, 2, and 3 were provided by Mr. Kazyaka who stated that they were of this excavation (Appendix E).

Tank History:

According to Wright-Malta personnel, the tank was installed in 1945 or 1946. As indicated on the 1952 tank location map (Figure 2), it was used for gasoline storage. According to Mr. Kazyaka, the large engines in the Pneumatic Laboratory, Building 15, were connected to the tank via a pumping unit and a piping system (Sketch No. 1, Appendix C). Vent pipes were visible on the side of Building 15 (Photograph 7).

The tank had been abandoned for 20 years (Appendix D, Bill Young interview). It was removed by Wright-Malta during the first week of April, 1991.

Applicable Photographs (Appendix E): 1, 2, 3, 7, 8, 9, 10, 18, 19, 20, 21, 22, 23, 24, 33, 34, 35

Tank 2

ID No:	None
Content:	Gasoline
Size:	550 gallons
Location:	Building 15
Map:	Sketch No. 1 (Appendix C)
Age:	~ 45 years
Type:	1/4-inch, asphalt-coated steel
Condition:	Very good, no holes or evidence of leakage

Description of Tank:

The tank was surficially rusted. It had minor pitting but no holes. The seams were intact. There was no product staining or evidence of leakage. The bottom of the tank was also intact. It had remnants of asphalt coating.

Description of Piping:

The fill-pipe and bong areas were free of any product staining. The piping was surficially rusted and slightly pitted.

Description of Soil:

The tank excavation had been filled in prior to the site visit. Soil coating the tank was free of product staining. No staining of the surface soil at the former tank location was observed by Geraghty & Miller.

Tank History:

According to Wright-Malta personnel, the tank was installed in 1945 or 1946. As indicated on the 1952 tank location map (Figure 2), it was used for gasoline storage. According to Mr. Kazyaka, the large engines in the Pneumatic Laboratory, Building 15, were connected to the tank via a pumping unit and a piping system (Sketch No. 1, Appendix C). Vent pipes were visible on the side of Building 15 (Photograph 7).

The tank had been abandoned for 20 years (Appendix D, Bill Young interview). It was removed by Wright-Malta during the first week of April, 1991.

Applicable Photographs (Appendix E): 7, 8, 9, 10, 18, 25, 33, 34, 35

Tank 3

ID No.	None
Content:	Fuel oil
Size:	550 gallons
Location:	Building 15
Map:	Sketch No. 1 (Appendix C)
Age:	~ 45 years
Type:	1/4-inch, asphalt-coated steel
Condition:	Very good, no holes or evidence of leakage

Description of Tank:

The tank was surficially rusted. It had minor pitting but no holes. The seams were intact. There was no product staining or evidence of leakage. The bottom of the tank was also intact. It had remnants of asphalt coating.

Description of Piping:

The fill-pipe and bong areas were free of any product staining. The piping was surficially rusted and slightly pitted.

Description of Soil:

The tank excavation had been filled-in prior to the site visit. Soil coating the tank was free of product staining. No staining of the surface soil at the former tank location was observed by Geraghty & Miller.

Tank History:

According to Wright-Malta personnel, the tank was installed in 1945 or 1946. As indicated on the 1952 tank location map (Figure 2), it was used for fuel oil storage. According to Mr. Kazyaka, the tank piping fed a former furnace in Building 15. Although the furnace and piping have been removed, an opening remains in the outer wall of Building 15 where the pipes entered the building (Photograph 12). The fuel oil tank vent pipe remains fixed to the building wall near the opening (Sketch No. 1 Appendix C).

The tank was abandoned for 20 years (Appendix D, Bill Young interview). It was removed by Wright-Malta during the first week of April, 1991.

Applicable Photographs (Appendix E): 11, 12, 26, 27, 33, 34, 35

Tank 4

ID No.	None
Content:	Fuel oil
Size:	6,000 gallons
Location:	Building 28
Map:	Sketch No. 2 (Appendix C)
Age:	~ 45 years
Type:	1/4-inch, asphalt-coated steel
Condition:	Very good, no holes or evidence of leakage

Description of Tank:

The tank was surficially rusted. It had minor pitting but no holes. The seams were intact. There was no product staining or evidence of leakage. The tank had remnants of

asphalt coating. Because of the manner in which it was stored and its close proximity to other tanks, the bottom of Tank 4 was inaccessible and could not be inspected in detail.

Description of Piping:

The fill-pipe and bong areas were free of any product staining. The piping was cut, exposing a 1/4-inch thick steel wall. The piping was surficially rusted and slightly pitted.

Description of Soil:

The tank excavation had been filled-in prior to the site visit. Soil coating the tank was free of product staining. No surface staining of the soil at the former tank location was observed by Geraghty & Miller.

Tank History:

According to Wright-Malta personnel, the tank was installed in 1945 or 1946. As indicated on the 1952 tank location map (Figure 2), it was used for fuel oil storage. Piping connected Tanks 4 and 5 to a furnace in Building 28H. The pipes ran through Building 28 (Sketch No.2, Appendix C). A remnant of the piping exists in Building 28 and several large holes in the northwest wall indicate where the tank lines entered the building (Photographs 15 and 16).

The tank had been abandoned for 20 years (Appendix D, Bill Young interview). It was removed by Wright-Malta during the first week of April, 1991.

Applicable Photographs (Appendix E): 13, 14, 15, 16, 17, 30, 31, 32, 33, 34, 35

Tank 5

ID No.	None
Content:	Fuel oil
Size:	6,000 gallons
Location:	Building 28
Map:	Sketch No. 2 (Appendix C)
Age:	~ 45 years
Type:	1/4-inch, asphalt-coated steel
Condition:	Very good, no holes or evidence of leakage

Description of Tank:

The tank was surficially rusted. It had minor pitting but no holes. The seams were intact. There was no product staining or evidence of leakage. The tank had remnants of asphalt coating. Because of the manner in which it was stored and its close proximity to other tanks, the bottom of the Tank 5 was inaccessible and could not be inspected in detail.

Description of Piping:

The fill-pipe and bong areas were free of any product staining. The piping was cut, exposing a 1/4-inch thick steel wall. The piping was surficially rusted and slightly pitted.

Description of Soil:

According to Wright-Malta personnel, the tank excavation had been filled in prior to the site visit. Soil coating the tank was free of product staining. There was no staining of the soil at the former tank location.

Tank History:

According to Wright-Malta personnel, the tank was installed in 1945 or 1946. As indicated on the 1952 tank location map (Figure 2), it was used for fuel oil storage. Piping connected tanks 4 and 5 to a furnace in Building 28H. The pipes ran through Building 28 (Sketch No.2, Appendix C). A remnant of the piping exists in Building 28 and several large holes in the northwest wall indicate where the tank lines entered the building (Photographs 15 and 16).

The tank had been abandoned for 20 years (Appendix D, Bill Young interview). It was removed by Wright-Malta during the first week of April, 1991.

Applicable Photographs (Appendix E): 4, 5, 6, 13, 14, 15, 16, 17, 28, 29, 31, 32, 33, 34, 35

CONCLUSIONS

Geraghty & Miller draws the following conclusions based on the inspection of the excavated USTs, tank piping, former tank locations, interviews with Wright-Malta Corporation personnel and review of photographs and relevant documents:

- The tanks were installed in 1945 or 1946 and have been empty for approximately 20 years;
- Historical evidence indicates that the tanks were used solely for hydrocarbon storage;
- The locations of the tanks with respect to vent pipes, chimney exhaust, and remnant tank pipes support the historical evidence that the tanks were used solely for hydrocarbon storage;

- No holes were observed in any of the tanks or piping, and any evidence of surficial rusting and pitting was minor;

- Evidence of contaminated soil, such as surficial staining or odor, was not observed.

RECOMMENDATION

Based on the above conclusions, Geraghty & Miller recommends the following:

- The five underground storage tanks subject to this inspection should be excluded from the Malta Rocket Fuel Area Superfund Site Remedial Investigation (RI) pursuant to Section 4.28 of the EPA-approved RI Work Plan, and the petroleum exclusion in CERCLA.

Respectfully submitted,

GERAGHTY & MILLER, INC.

David Stockar
Hydrogeologist

Laine Vignona
Project Manager

Dennis Colton
Facility Coordinator

DS/LV/DC:rr
my04605.doc

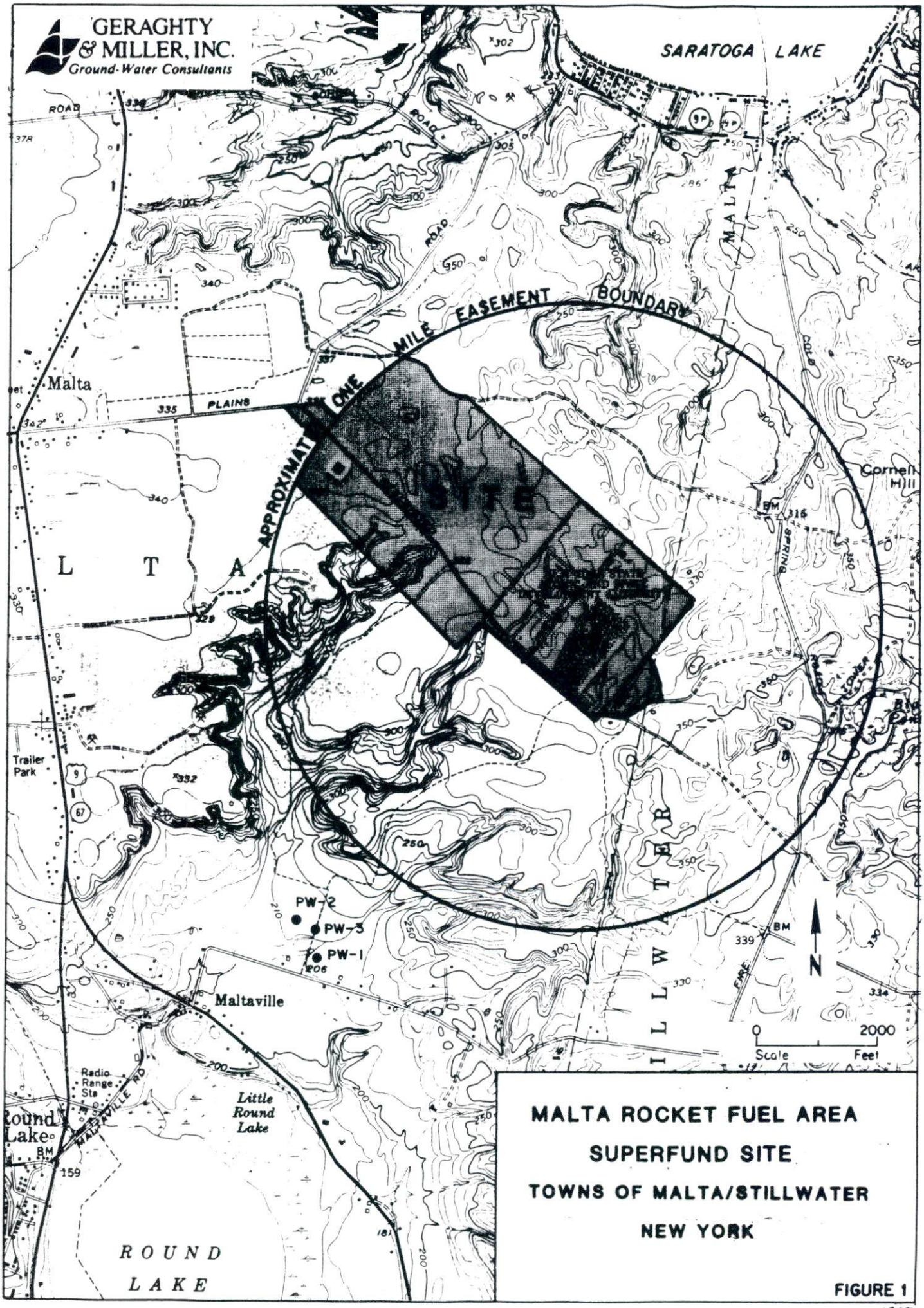
REFERENCES

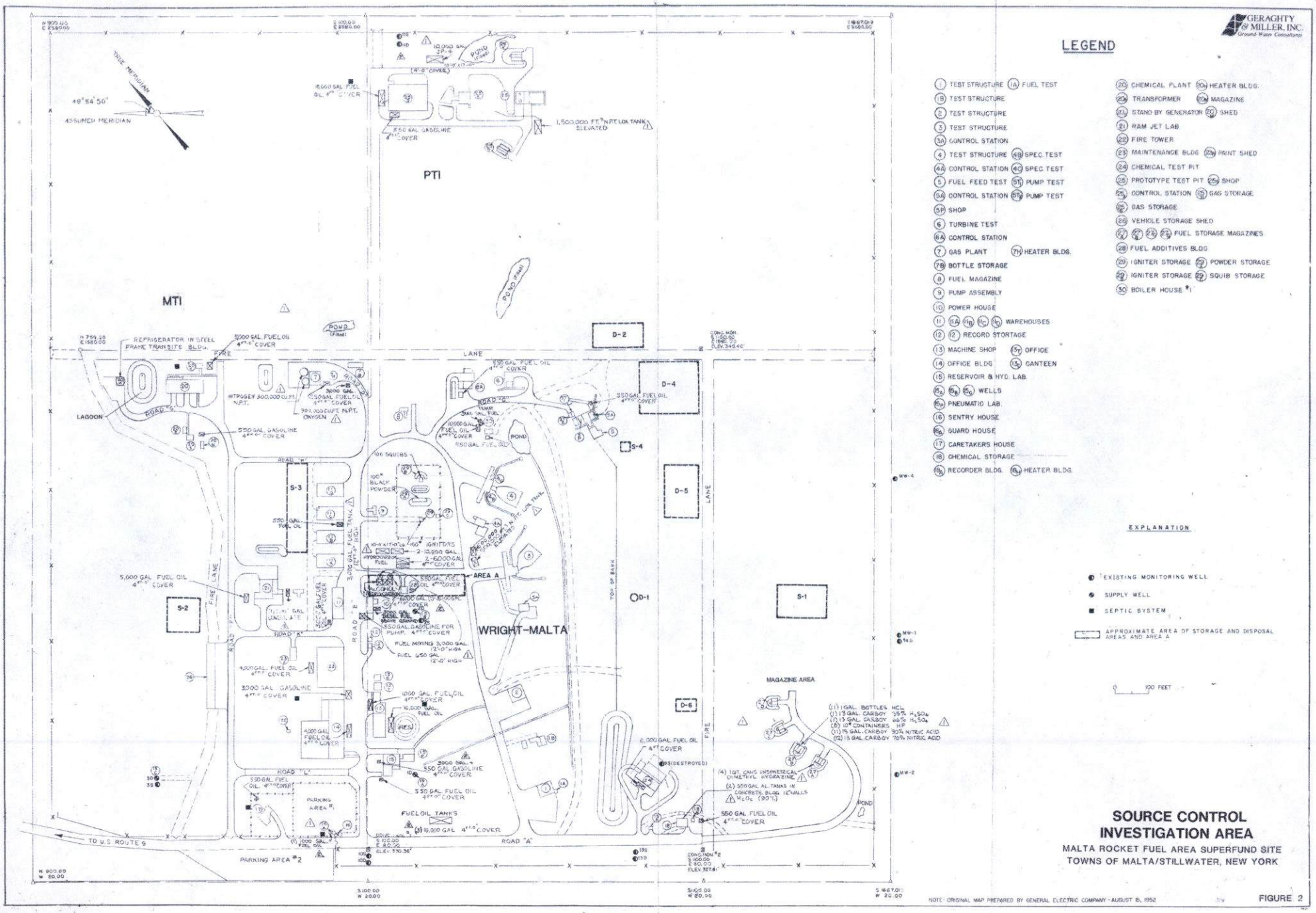
Kazyaka, Ray. May 3, 1991. Personal Communication to David Stockar, Geraghty & Miller, Inc.

Oatman, Hope. May 7, 1991. Personal Communication to David Stockar, Geraghty & Miller, Inc.

Table 1. Tanks Removed by Wright-Malta Corp. in April, 1991, Malta Rocket Fuel Area, Superfund Site, Towns of Malta and Stillwater, Saratoga County, New York.

Location	Number	Type	Size	Year Installed	Past Content	Last Used	Condition
Building 15	1	1/4-inch steel with asphalt coating	3,000 gallon	1945 or 1946	Gasoline	20 years ago	Very good
Building 15	1	1/4-inch steel with asphalt coating	550 gallon	1945 or 1946	Gasoline	20 years ago	Very good
Building 15	1	1/4-inch steel with asphalt coating	550 gallon	1945 or 1946	Fuel Oil	20 years ago	Very good
Building 28	2	1/4-inch steel with asphalt coating	6,000 gallon	1945 or 1946	Fuel Oil	20 years ago	Very good


GERAGHTY & MILLER, INC.
Ground-Water Consultants
SARATOGA LAKE
APPROXIMATE ONE MILE EASEMENT BOUNDARY
SITE
L T A
Malta
PLAINS
Trailer Park
Maltaville
PW-2
PW-3
PW-1
Radio Range Sta
Little Round Lake
ROUND LAKE
Cornell Hill
N
0
2000
Scale
Feet
MALTA ROCKET FUEL AREA
SUPERFUND SITE
TOWNS OF MALTA/STILLWATER
NEW YORK
FIGURE 1


GERAGHTY & MILLER, INC.
Ground-Water Consultants
LEGEND
EXPLANATION
EXISTING MONITORING WELL
SUPPLY WELL
SEPTIC SYSTEM
APPROXIMATE AREA OF STORAGE AND DISPOSAL AREAS AND AREA A
0 100 FEET
PTI
MTI
WRIGHT-MALTA
AREA A
MAGAZINE AREA
POND
LAGOON
ROAD "A"
ROAD "B"
ROAD "C"
ROAD "D"
ROAD "E"
ROAD "F"
ROAD "G"
ROAD "H"
LANE
FIRE LANE
TOP OF BANK
D-1
D-2
D-4
D-5
D-6
S-1
S-2
S-3
S-4
PARKING AREA #1
PARKING AREA #2
FUEL OIL TANKS
TO U.S. ROUTE 9
TRUE MERIDIAN
ASSUMED MERIDIAN
SOURCE CONTROL INVESTIGATION AREA
MALTA ROCKET FUEL AREA SUPERFUND SITE
TOWNS OF MALTA/STILLWATER, NEW YORK
NOTE: ORIGINAL MAP PREPARED BY GENERAL ELECTRIC COMPANY - AUGUST 15, 1952
FIGURE 2

APPENDIX A

LETTERS AND DOCUMENTS

LETTER REQUESTING PETROLEUM BULK STORAGE REGISTRATION FOR WRIGHT-MALTA TANKS, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DECEMBER 27, 1990)

New York State Department of Environmental Conservation
Region 5 - Environmental Quality
Hudson Street, Warrensburg, NY 12885-0220
(518) 623-3671 or 668-5441

Thomas C. Jorling
Commissioner

December 27, 1990

Wright-Malta Corp.
Plains Road
Ballston Spa, NY 12020

Re: Petroleum Bulk Storage

Gentlemen:

A recent check of our records indicates that the above facility has not been registered with this Department. A registration application and a copy of the Petroleum Bulk Storage Regulations are enclosed. Please complete and return this with the proper registration fee to this office.

If you have any questions, please feel free to contact me.

Sincerely,

Richard L. Wagner, P.E.
Regional Spill Engineer

by: G. J. Bradley
Environmental Engineer 2

GJB:lc
encl.

cc: R. Mulvey

PETROLEUM BULK STORAGE
REGISTRATION CERTIFICATE
FOR WRIGHT-MALTA CORPORATION
(APRIL, 1991)

93-06-004 (1/91)—26c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

NYS DEC - REGION 5
ROUTE 86
RAYBROOK, NY 12977
(518) 891-1370

TANK NUMBER	DATE INSTALLED	TANK TYPE	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE
010	00/00	Steel/Carbon Steel	4,000		*1
013	00/00	Steel/Carbon Steel	3,000		*1
014	00/00	Steel/Carbon Steel	4,000		12/87
021	00/00	Steel/Carbon Steel	5,000		12/87
023	00/00	Steel/Carbon Steel	3,000		12/87
025	00/00	Steel/Carbon Steel	10,000		12/87
026	00/00	Steel/Carbon Steel	10,000		12/87
027	00/00	Steel/Carbon Steel	10,000		12/87
028	00/00	Steel/Carbon Steel	4,000		12/87

*1 - Aboveground tanks require monthly visual inspections and documented internal inspections as described in 6 NYCRR Pt. 613.

OWNER
WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

SITE
WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

OPERATOR (Name and Telephone Number)
WRIGHT-MALTA CORP.
(518) 899-2227

EMERGENCY CONTACT (Name and Telephone Number)
R. KAZYAKA
(518) 899-4833

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, not just those cited below:

- The facility must be re-registered if there is a transfer of ownership.
- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
- The facility must be operated in accordance with the code for storing petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility must comply with the code for new and substantially modified facilities, 6 NYCRR Part 614.
- **This certificate must be posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours **(1-800-457-7362).**

Signature of Authorized Representative/Owner Date

Name of Authorized Representative/Owner (Please Print)

Title

ISSUED BY:
Commissioner Thomas C. Jorling

PETROLEUM BULK STORAGE ID NUMBER
5-600006

DATE ISSUED: 04/22/91
EXPIRATION DATE: 04/18/96

FEE PAID
$ 250

MAILING CORRESPONDENCE

MR. R. KAZYAKA
WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

TANK INSPECTION NOTES

MS. HOPE OATMAN - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (APRIL 15, 1991)

On April 15, 1991, at approximately 1:15 pm, I inspected 5 underground tanks that had been removed from the ground. These tanks had been removed on a date previous to April 15, from Wright-Malta property. They were then placed in storage above ground on Wright-Malta property.

The tanks appeared in good condition. Although the bottom of the tanks were not accessible, the sides and ends did appear intact. The welds at the ends appeared intact. There appeared to be little or no pitting on the tank surfaces.

The tanks did not exhibit any signs of having leaked, from what I could see. I could not access the bottom area of the tank.

Mr. Ruy Kazyaka accompanied me during my inspection. Mr. Kazyaka also showed me photographs of an excavation of these tanks.

The tanks I inspected were, to the best of my knowledge, as follows:

(2) 5,000 gallons tanks. Each one held #2 fuel oil

(2) 500 gallon tanks. ~~Each~~ One held gasoline, one held fuel oil.

(1) 1,000 gallon tank, which held fuel oil.

4/15/91

R. J. Kazyaka 4/15/91

TANK INSPECTION SUMMARY LETTER, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (APRIL 23, 1991)

New York State Department of Environmental Conservation
Region 5 - Environmental Quality
Hudson Street, Warrensburg, NY 12885-0220
(518) 623-3671 or 668-5441

CERTIFIED MAIL #P 426 297 555
RETURN RECEIPT REQUESTED

Thomas C. Jorling
Commissioner

April 23, 1991

Ray Kazyaka
Wright-Malta Corp.
Plains Road
Ballston Spa, NY 12020

Dear Mr. Kazyaka:

On April 15, 1991 we met at the above named site. The purpose of this meeting was to discuss the proper procedure for storage tank removals and to inspect tanks that have already been removed from service.

The five tanks that have been removed are currently being stored in a "tank farm" area on the site. These tanks were as follows:

- Two (2) 5,000 gallon tanks, each used to store #2 fuel oil.
- Two (2) 500 gallon tanks. One used to store gasoline, one to store #2 fuel oil.
- One (1) 1,000 gallon tank used to store fuel oil.

Appearance of a tank is not a reliable indicator of tank integrity. However, there was no positive indication of leakage in the appearance of any of the tanks. End seams appeared to be intact. Fill pipe and bung areas gave no appearance of stained soil. There were no visible fissures in the skin, nor was there discernible pitting.

All of the tanks were stored in such a manner that the bottom area was not accessible to a visual examination.

During this meeting, you were given copies of New York State's Petroleum and Chemical Bulk Storage regulations. You were also given a copy of the guidance for removal of petroleum bulk storage tanks. You will find these documents useful in closing tanks in the future.

This office must be notified prior to all future tank closures at this site. Written notice will be required so that it will be received by this office at least two working days prior to the work. Ms. Alison Hess of the U.S. Environmental Protection Agency (US EPA) must also be contacted by you. Notification should include the date and approximate time of the removal. It should also state the location of the tank, the size of the tank, and what the tank was used to store.

Once the tanks are removed, the tank grave will be inspected for contamination by a representative of this office. Soil samples will be taken in accordance with all State and Federal requirements.

The tanks must be cleaned and disposed of after exhumation in accordance with Petroleum Bulk Storage regulations. The tanks that have already been removed must be cleaned before they are permanently stored. All local, State, and Federal regulations must be adhered to regarding cleaning and disposal of the tanks and the "tank bottoms".

Included in this letter is a list of contractors that are employed contractually by the New York State Department of Environmental Conservation. This is not a recommendation of these contractors nor are you limited to only these. It is intended to assist you in obtaining a contractor for tank clearing and disposal.

I have also included a copy of an article regarding site assessments. This applies to Federal regulations.

If you have any questions, please feel free to contact me.

Sincerely,

Richard L. Wagner, P.E.
Regional Spill Engineer

by: Hope Oatman
Env. Engineering Technician 1

HO:lc
encls.

cc: A. Hess

FUEL OIL PURCHASE ORDERS
FOR WRIGHT-MALTA CORPORATION
(1990 AND 1991)

PURCHASE ORDER

Ship and Invoice To:

WRIGHT CORP. MALTA

CORPORATION
MALTA TEST STATION
TOWN OF MALTA
PLAINS ROAD
BALLSTON SPA, NEW YORK 12020
PHONE (518) 899-2227
FAX (518) 899-4799

THIS ADDRESS AND THIS ORDER NO. MUST APPEAR ON ALL LABELS AND SHIPPING DOCUMENTS IF F. O. B. ORIGIN, SHIP PREPAID & BILL.

W-MC- 5220-S-1726

AMENDMENT NO. _____

DATE 9/12/90

Invoice each order and shipment separately and in triplicate.

Packing lists must accompany and identify each different shipment by our purchase order number.

Substantiate prepaid charges invoiced. Note: The Original Bill of Lading, free of all other papers, covering each shipment on this order must be mailed on the day of shipment to the undersigned.

Jim Buhrmaster
J.H. Buhrmaster Co., Inc.
421 Sacandaga Road
Scotia, NY 12302

Phone: 382-0260

SHIP VIA: Truck · F.O.B. DEST. ☐ F.O.B. ORIG. ☐ TERMS: N/30

N. Y. SALES & USE TAX SINGLE PURCHASE EXEMPTION CERTIFICATE	REQUESTER	ACCT'G CHGE NO.	SHIP ON FOLLOWING DATES
IDENT. 14-1541124		5220	
TAXABLE ☐ EXEMPT ☒	RECEIVING INSPECTION/ DELIVER TO P. Williams		As Required

ITEM #	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
		Standing Order for Period of 9/12/90 to 12/31/90 for: Fuel Oil---Price to be determined prior to delivery		

PURCHASE OF ANY PRODUCTS OR SERVICES COVERED BY THIS ORDER IS CONDITIONED UPON TERMS CONTAINED HEREIN (INCLUDING THOSE ON THE REVERSE SIDE OF THIS ORDER). ANY ADDITIONAL OR DIFFERENT TERMS PROPOSED BY SELLER ARE OBJECTED TO AND WILL NOT BE BINDING UPON BUYER UNLESS SPECIFICALLY ASSENTED TO IN WRITING BY BUYER'S AUTHORIZED REPRESENTATIVE. ACKNOWLEDGEMENT OR ACCEPTANCE OF THIS ORDER, OR THE DELIVERY OF ANY SUPPLIES, OR THE FURNISHING OF ANY SERVICE IN CONNECTION THEREWITH SHALL CONSTITUTE ACCEPTANCE BY THE SELLER OF THIS PURCHASE ORDER SUBJECT TO ALL OF ITS TERMS AND CONDITIONS.

SIGNED R. Kuhn

TOTAL VALUE

PURCHASE ORDER

Ship and Invoice To:

WRIGHT CORP. MALTA

CORPORATION
MALTA TEST STATION
TOWN OF MALTA
PLAINS ROAD
BALLSTON SPA, NEW YORK 12020
PHONE (518) 899-2227
FAX (518) 899-4799

THIS ADDRESS AND THIS ORDER NO. MUST APPEAR ON ALL LABELS AND SHIPPING DOCUMENTS IF F. O. B. ORIGIN, SHIP PREPAID & BILL.

W-MC- 5220-S-1826

AMENDMENT NO. _____

DATE 12/31/90

Invoice each order and shipment separately and in triplicate.

Packing lists must accompany and identify each different shipment by our purchase order number.

Substantiate prepaid charges invoiced. Note: The Original Bill of Lading, free of all other papers, covering each shipment on this order must be mailed on the day of shipment to the undersigned.

Jim Buhrmaster
J. H. Buhrmaster Co., Inc.
421 Sacandaga Road
Scotia, NY 12302

Phone: 382-0260

SHIP VIA: Truck F.O.B. DEST. ☐ F.O.B. ORIG. ☐ TERMS: N/30

N. Y. SALES & USE TAX SINGLE PURCHASE EXEMPTION CERTIFICATE	REQUESTER	ACCT'G CHGE NO.	SHIP ON FOLLOWING DATES
IDENT. 14-1541124		5220	
TAXABLE ☐ EXEMPT ☒	DELIVER TO RECEIVING INSPECTION/ P. Williams		As Required

ITEM #	QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
		Standing Order for Period of 1-1-91 to 12-31-91 for:		
		Purchasing Fuel Oil---Price to be determined prior to delivery		
		This Purchase Order replaces 1990 Purchase Order 5220-S-1726		

PURCHASE OF ANY PRODUCTS OR SERVICES COVERED BY THIS ORDER IS CONDITIONED UPON TERMS CONTAINED HEREIN (INCLUDING THOSE ON THE REVERSE SIDE OF THIS ORDER). ANY ADDITIONAL OR DIFFERENT TERMS PROPOSED BY SELLER ARE OBJECTED TO AND WILL NOT BE BINDING UPON BUYER UNLESS SPECIFICALLY ASSENTED TO IN WRITING BY BUYER'S AUTHORIZED REPRESENTATIVE. ACKNOWLEDGEMENT OR ACCEPTANCE OF THIS ORDER, OR THE DELIVERY OF ANY SUPPLIES, OR THE FURNISHING OF ANY SERVICE IN CONNECTION THEREWITH SHALL CONSTITUTE ACCEPTANCE BY THE SELLER OF THIS PURCHASE ORDER SUBJECT TO ALL OF ITS TERMS AND CONDITIONS.

TOTAL VALUE

SIGNED R. Kazmarek

APPENDIX B

SITE VISIT DAILY LOG

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE / MALTA Page 1 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
5/3/91 7:30	Arrived at ALPS Silicone Park (Former GE/Exxon Nuclear Building). Photographed two mounds of dirt behind the building. The mounds were probably created during grading of the site. Searched for wells around the outside of the building, none were found. Talked to Dr. A. A. Laghi, president of the company. He has ~~the~~ never seen any wells in the area. ALPS gets their water from Wright - Malta. Dr. Laghi said the company manufactures silicone surgical equipment and they do not use any chemicals. Brochures indicate that they manufacture heart surgery equipment, heart "spoons", Teflon bottle nipples, silicone breast implants, etc.
8:20	Located abandoned well near main gate to the facility. The well was drilled by Collins and Spencer (584-1540) of Saratoga Springs, NY. The well is

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE / MALTA Page 2 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	6" in diameter.
8:35	Arrived at Wright - Malta. Ray Kozyaka's secretary informed me that he was doing crane work at Pit #6 and that I should return in an hour or so.
8:40	I visited the "Ice Pond" area. The "Ice Pond" is surrounded by a chain-link fence, but the gate is left open. The pond is lined with blue-green plastic and is approximately 100 ft in diameter and 10 ft deep. It is surrounded by eight triangular concrete pads (10' per side), spaced ~ 35' apart. Each pad contains three large eye bolts (one in each corner). The pads are arranged in a circle around the pond and were obviously installed to support the inflated domal structure which covered the pond during the SUNY Albany / NYSERDA

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE/ MALTA Page 3 of 18

Site Location MRFA VISIT

Prepared By D. STUCKAL

Date/Time	Description of Activities
	Water spray cooling experiments.
	At the south end of the pond
	is an abandoned shed and a
	fire hydrant with water lines
	leading to the shed. The hydrant
	must have served as the water
	supply for the tests.
9:20	Stopped at the DOT Dump, area
	D-3. The large dump mound
	is full of concrete, wood beams,
	tires, roofing and general construction
	debris. At the base of the site
	mound flows a stream. The
	stream drains the mound and
	leaches iron (orange staining) and
	hydrocarbons (sheen in stream
	pools). A security fence is not
	deemed necessary at the site.
9:~~45~~	Found 3 wells of "Well 4" cluster.
9:55	Found 4th 2" diameter well of the
	cluster. The well is located approximately
	200 ft southeast of the Well 4. Limestone
	monoliths (1' by 2') mark a linear

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE/MALTA Page 4 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	boundary near the road leading to the "Well 4" cluster. Gasoline cans, grease cans and automobile parts line the road. All of these a very rusty and most are several decades old.
10:25	After a 20 minute wait, I was met at the Wright Malta/GE office (Building 14) by Ray Kayzakian, president of Wright-Malta Corp. He showed me to Building 15. In April of this year he had removed a 3,000 gallon gasoline tank, a 550 gallon gasoline tank and a 550 gallon fuel oil tank from the NW and SW side of the building (see sketch). I photographed the disturbed soil and remaining vent pipes. Ray showed me the photographs of the excavation. There were no signs of stained soil at the site or on the photos. There was no hydrocarbon odor at the site. Ray showed me

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE / MRFA Page 5 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	the indoor piping from the gasoline tanks to the large combustion engines used in the pneumatic lab. He also showed me the site of the furnace which was removed years ago and the hole in the wall where the tank piping ran to the former furnace.
10:50	Ray took me to Building 28 (the site known as "Area A" in the RI Work Plan). He had removed two 6,000 gallon fuel oil tanks from a area between Buildings 10 and 28 (see sketch) at some time in April (he was not sure of the date and refered me to the DEC tank removal report - DEC Warrensburg). The tanks did not leak, he claimed. The disturbed soil was clean. Photographs taken by Ray, of the tank removal, did not indicate leakage. There was no hydrocarbon odor at the site. Ray showed me the furnace in Building 28H which used the tanks' fuel oil.

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE / MALTA Page 6 of 18

Site Location MRFA SITE

Prepared By D. STOCKAR

Date/Time	Description of Activities
11:00	Ray took me to area D-4 and showed me the 5 tanks which he had removed. The tanks were in excellent condition. He informed me that, as was the case with most of the tanks at the site, they were installed in 1945 to 1946. They were installed by the military. The tanks were 1/4" thick steel. They had been covered by an asphalt coating upon installation. Much of the coating was still present. The tanks were slightly rusted in spots but the ~~rusting~~ rusting was patchy and superficial. ~~There~~ Their was very minor pitting. None of the pits were deeper than approximately a 1/50th of an inch. The bottoms of the tanks were just as sound as the tops. The seams were intact. There was no product staining anywhere. The piping was 1/4" steel and welded. ~~The~~

G&M Form 02 6-86

Southprint 89-1256

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. OE / MALTA Page 7 of 18

Site Location MRFA VISIT

Prepared By D. STUCKAR

Date/Time	Description of Activities
	These are some of the best preserved tanks I have ever seen! Photographed tanks and piping. Scraped soil from tanks. The tanks were well preserved. There were no signs of a prolonged contact with water. The tanks, ~~and~~ obviously buried in the sandy soil which covered them, were well above water table and in a well drained environment.
11:15	I asked Ray about the historical importance of some of the areas I had observed on aerial photographs.
	AREA B - Trailer used to store solid munitions (1968 → 1970)
	Area C - A clearing in the woods used to store oxygen and nitrogen pressurized tanks.
	Area D - A dirt mound created during ~~ground~~ ground leveling for Building 7
	Area E - A firing range still in use by W-M today.

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE/MALTA Page 8 of 18

Site Location MRFA VISIT

Prepared By DAVID STOCKAR

Date/Time	Description of Activities
	Area F – never existed, was only planned but never built.
	Isolde Project – A project conducted by Curtiss-Wright to develope sensitive, exotic fuels. Only several gallons of fuel were produced. They were used by Curtiss-Wright at Building 24 pit.
	S-4 – Stored empty drums and tanks.
	S-5 – Stored carbon tet. + TCE drums (empty).
	S-6 – Stored transformers in a fenced area (PTI)
	S-7 – Stored transformers for power-line studies (PTI)
	I asked Ray the present activity of ALPS Silicone Park. He said that they manufacture medical equipment.

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE/MALTA Page 9 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	I asked Ray the present activity of MTI. He said that they test turbines and modify them. He said NYSERDA may know more & to ask MTI directly. I asked Ray about the present activity of Wright-Malta. He said that they test artillery especially tank guns using liquid propellents for DOD, Watervliet Arsenal, + for GE. they also test liquid propellant firearms. They conduct ~~research~~ R+D in emergency situations such as the Gulf War on testing + calibrating confidential guns. Wright-Malta does its tank gun testing ~~near~~ Building 6 (Area E). GE rents Building 24 for its testing on liquid propellant artillery. The liquid propellant is hydroxyl amonium nitrate ~~mono~~ manufactured by Olin Chemical. ~~in Lake~~

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE / MALTA Page 10 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	The liquid propellant is stored in Area 27. It is used in Pits 24 and Area E (Bldg 6). Catch vats are installed to prevent leakage. Spent drums and waste is stored in Building 18 and removed by a contractor from Adams, Mass.
	I asked Ray about the biomass gasification program in Test Pit 4. He said that the program was conducted for DOE but has been inactive for several years. It may become active again in the future.
11:36	Ray and I inspected area S-2. It is full of discarded drums (including TCE drums), model fiberglass nose cones, wooden ~~pallets~~ pallets and other trash. There is no evidence of on Area F. Building 26

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE / MALTA Page 11 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	the automobile shed, no longer exists. The storage area behind it was used to store automobiles and automobile parts.
11:45	Ray told me that the powder storage area had been used for solid munitions only. It was used for black powder, ignitors and squibs.
11:50	Ray and I inspected the Building 7 mound. The mound is indeed an earth hill apparently created during the ~~[illegible]~~ leveling of the ground around Building 7. We inspected the back of Building 20 (MTI). I photographed the disturbed soil where NYSERDA had removed 5,000 gallon fuel oil tank. Ray said that he began removing the tanks (the 5 in April) after DEC contacted him that John Borrelli of NYSERDA informed them during the

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE/MALTA Page 12 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	Excavation of the Building 20 tank that Ray is in charge of Wright-Malta and that they own the majority of the on-site buildings. DEC told Ray that ~~[redacted]~~ his tanks are not registered. Ray then registered the tanks which he is using (see copy of registration) and under DEC supervision began removing the ones he is not using. He is removing hydrocarbon tanks only. He was going to have his men do it during slow periods, however with this much "hostling" he may wait with it.
12:05	Ray showed me the areas where transformers were stored (S-6, S-7) by PTI and where power lines were tested by PTI. He showed me where NYSERDA removed 550 gallon gasoline tank, a 10,000 gallon fuel oil tank, and

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s)_____ Project/No. GE / MALTA Page 13 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	a 10,000 gallon JP-4 rocket fuel tank. He did not know about the JP-4 tank until now. NYSERDA left the JP-4 tank piping intact but sloping into the ground at the point where it was cut. I photographed the site and the piping. Ray then showed me the two empty bunkers which had been used to store cryogenic liquids and pressurized gases. He also showed me the skeletal remains of the largest rocket test pit, Pit 25. It was rather impressive. The large LOX tank has long been removed.
12:45	I called G & M office. I talked to Dennis Colton. He had several more questions based upon a FAX sent by EPA to him and to Ray. Ray said that he did not receive the FAX and checked his stacks of mail.

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE / MALTA Page 14 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
1:00	I asked Ray the questions posed to me by Dennis. The questions and answers are recorded on the conversation records. I asked Ray to locate site D-6 ~~he~~ he did so (see maps). I asked Ray to show me the remainder of the ~~p~~ tank piping. He said he would have one of his men accompany me to it. I asked Ray if I could interview the employees which removed the tanks. He said that I could.
1:30	I interviewed Ray P. Kazyaka, Jr. (Ray's son) and Bill Young. (see statements). Bill removed the tanks with a backhoe and R.P. Kazyaka supervised the operation throughout. They both assured me that the tanks were empty, leak-free and the soil was clean. They backfilled the ~~ex~~excavations with soil from a bank between pits 2 and 24.

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE / MALTA Page 15 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
2:10	Bill Young and R. Kayzaka (JR.) took me for a tour of the tank excavation sites. We went to Building 15. They pointed out the tank locations, the piping locations, the tank vents (still present), the pumping unit for the two gasoline tanks, and the location of the former fuel-oil furnace. They confirmed my sketches. I took photos.
	We then proceeded to the Building 28 area. ~~Others~~ They again indicated the tank locations, orientations and piping locations. We examined the remaining piping in Building 28 and the holes in the NW wall of the building through which the piping entered. We confirmed sketches and I took photos.
	We proceeded to a pipe rack behind Building 11 (the warehouse).

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE / MALTA Page 16 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	They pointed out the pipes which were part of the tank system. They were sound with little or no pitting and some outer rusting. I photographed the pipes, some of which were made of 1/4" steel.
	Bill Young took leave of us and R. Kazyaka (JR.) and I went to the tanks. R. Kazyaka (JR) showed me the 5 tanks in storage area D-4. They were the same as the ones R. Kazyaka (SR) indicated. We studied the bottoms of the tanks, the seems and scraped the dirt from the tanks to examine the surface. The bottoms of the two 6,000 gallon fuel-oil tanks were not very accessible but they appeared sound. The tanks were 1/4" steel. R. Kazyaka showed me some of the above ground tanks stored at the site. Most have been there for many

Southprint 89-1256

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Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE/MALTA Page 17 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	years. I observed the fuel mixing tanks (aboveground tanks) and former hydrogen peroxide pressure bottles. R. Kayzaka showed me the concrete cover above the 3,000 gal. gasoline tank removed from Building 15. This square concrete cover was intact and protected the bung area of the gasoline tank. It was not stained.
2:50	R. Kayzaka (Jr.) showed me the location of the sand bank used for backfilling the tanks. I examined the sand, It was clean and odorless. The pit had been freshly excavated. The sand pit is located on the valley bank opposite of Building 2.
3:20	I called Dennis Colton to report my results and ask if he needs any other information. Dennis asked if I could stick the tanks and if Ray

GERAGHTY & MILLER, INC.
Environmental Services

DAILY LOG

Well(s) _____ Project/No. GE/MALTA Page 18 of 18

Site Location MRFA VISIT

Prepared By D. STOCKAR

Date/Time	Description of Activities
	would disclose current Wright-Malta activity.
3:35	I interviewed Ray Kazyaka (Sr) one more time. His statements were recorded on conversation records. He did not want me to stick the tank because that was not part of the Work Plan, plus he did not have the time to accompany me and find them all. He said that Wright-Malta tests tank guns for the Army and that the operations are confidential.
4:15	I left the site after organizing my notes and parting with Ray Kazyaka (Sr).

APPENDIX C

TANK LOCATION SKETCHES

GERAGHTY & MILLER, INC.
Environmental Services

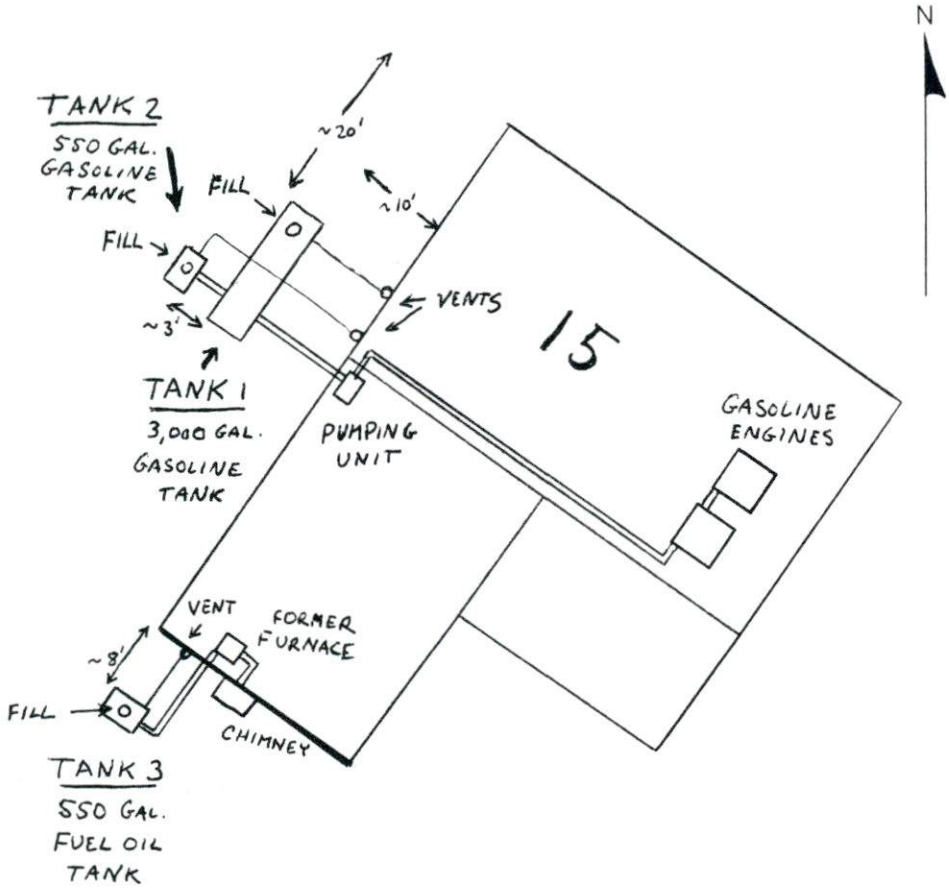
LOCATION SKETCH #1

Well(s)_____ Project/No. GE/MALTA Page_____ of_____

Site Location MRFA - BLDG 15 TANKS REMOVED BY WRIGHT-MALTA

Observer D. STOCKAR

(Locate all wells, borings, etc. with reference to three permanent reference points; tape all distances; clearly label all wells, roads, and permanent features)



0 ft. ~20 ft. (APPROXIMATE SCALE)

GERAGHTY & MILLER, INC.
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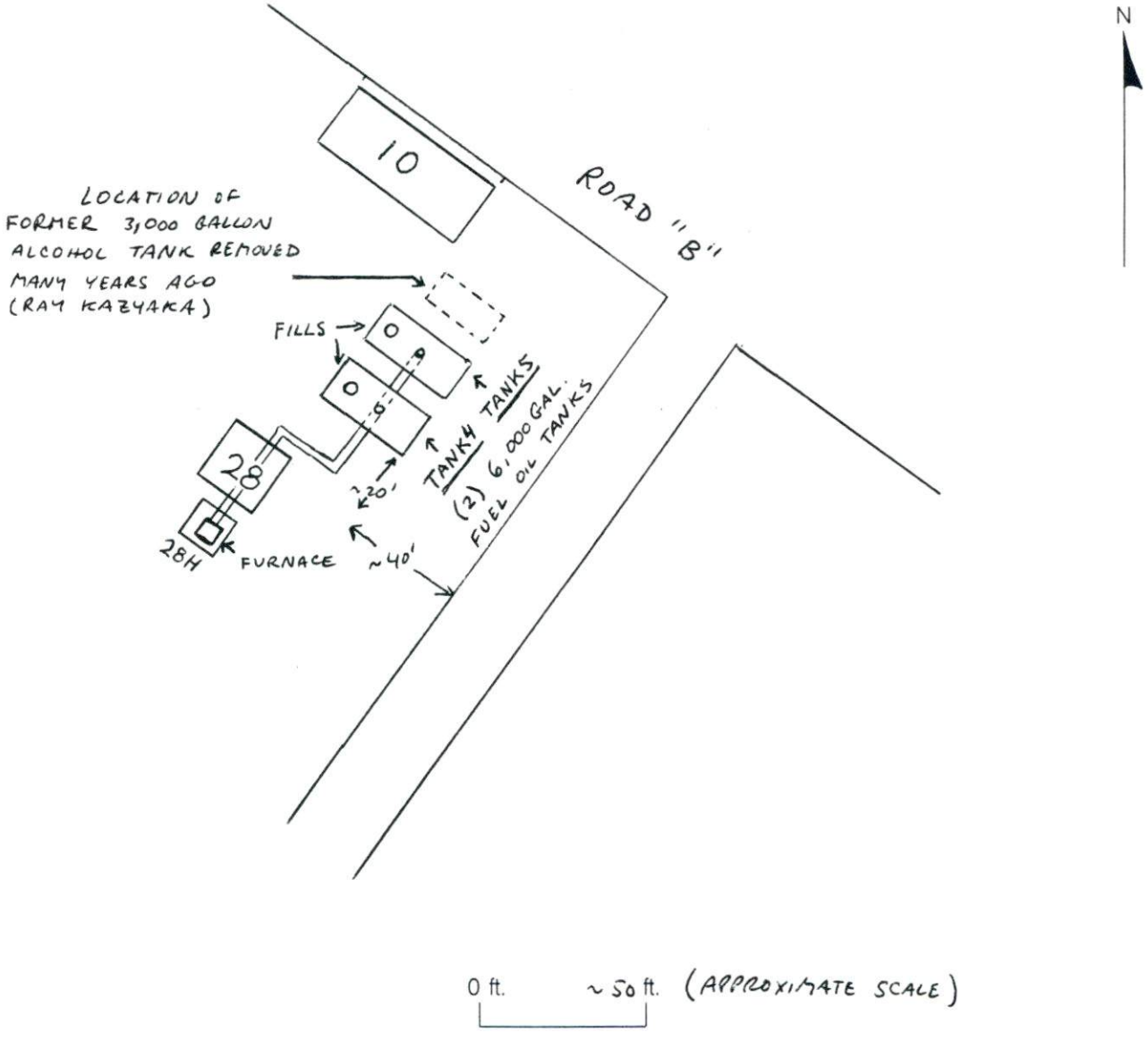
LOCATION SKETCH # 2

Well(s)_____ Project/No. GE / MALTA Page_____ of_____

Site Location MRFA - BLDG 28 TANKS REMOVED BY WRIGHT-MALTA

Observer D. STOCKAR

(Locate all wells, borings, etc. with reference to three permanent reference points; tape all distances; clearly label all wells, roads, and permanent features)



APPENDIX D

INTERVIEW CONVERSATION RECORDS

MAY 3, 1991

INTERVIEW WITH RAYMOND KAZYAKA
PRESIDENT OF WRIGHT-MALTA CORPORATION

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:00 PROJECT: GE/MALTA

FROM: D. STOCKAR TO: R. KAZYAKA (SR.)

COMPANY: COMPANY: WRIGHT - MALTA

TELE NO: TELE NO:

RE: INTERVIEW WITH RAY KAZYAKA (SR.)

Q. Do you have ID numbers for the tanks?

A. We do not have records nor did the Corp. of Engineers keep records of the tanks since they were installed from 1945 to 1946.

Q. When did you remove the tanks?

A. In the beginning of April, check DEC report.

Q. Where is all the piping associated with the tanks?

A. Should be with the tanks or on a pipe rack. I will have one of the men show you.

Q. Do you have fuel delivery invoices?

A. Only for the entire site, they are not tank specific. (He gave me copies).

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:00 PROJECT: GE/MALTA

FROM: D. STOCKER TO: R. KAZYAKA (SR.)

COMPANY: _____ COMPANY: WRIGHT- MALTA

TELE NO: _____ TELE NO: _____

RE: R. Kazyaka Interview continued.

Q. Were all the tanks installed during the 1940s, between 1945 and 1946?

A. Most of them were installed during that period. The ones which I had removed were among the first to be installed. Most of the tanks were installed prior to 1952.

Q. The 1952 site map is the one you used to pull the tanks, to locate them? Do you have any other tank location maps?

A. The 1952 map is the only map I have of the tank locations. It is the one I use, Why duplicate the map which is the most complete?

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 3:35 PROJECT: GE/MALTA

FROM: D. STOCKAR TO: R. KAZYAKA (SR)

COMPANY: COMPANY: WRIGHT - MALTA

TELE NO: TELE NO:

RE: R. Kazyaka interview resumed

Q. Were any of the tanks which you removed filled with product?

A. No, they have been empty for years.

Q. Which tanks at the site are being used?

A. All active tanks are under registration with DEC. Some inactive ones are not because they will be removed in the near future.

Q. How many will be removed?

A. I don't know how many, because I don't know where they all are.

Q. Can I stick the tanks?

A. No, they are not part of the Work Plan.

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHON~~E CONVERSATION RECORD

DATE: 5/3/91 TIME: 3:35 PROJECT: GE/MALTA

FROM: D. STOCKAR TO: R. KAZYAKA (SR.)

COMPANY: COMPANY: WRIGHT - MALTA

TELE NO: TELE NO:

RE: R. Kazyaka interview continued

Q. What are the present activities at Wright - Malta?

A. We perform problem solving for the Army and R & D on tank guns. The information is confidential and proprietary. Go ask DOD or GE!

MAY 3, 1991

INTERVIEW WITH RAYMOND P. KAZYAKA (JR.)
ENGINEER AT WRIGHT-MALTA CORPORATION

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:30 PROJECT: GE/MALTA

FROM: _____ TO: Ray Kazyaka (JR.)

COMPANY: _____ COMPANY: Wright - Malta

TELE NO: _____ TELE NO: _____

RE: Ray Kazyaka (JR.) interview

Q. Did you perform the tank removal?

A. I supervised the removal.

Q. Who performed it?

A. Bill Young, he operated the crane.

Q. Were there any signs of leakage from the tanks?

A. There were no signs of leakage of the tanks or the piping.

Q. Was their any soil staining or surface staining?

A. None

Q. Was their any product in the tanks or piping, the Building 15 tanks?

A. None

Q. What about the Building 28 tanks?

A. None

Q. What product did they store?

A. They were hydrocarbon tanks.

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:30 PROJECT: GE/MALTA

FROM: _____ TO: R. Kayyaka (JR.)

COMPANY: _____ COMPANY: Wright - Malta

TELE NO: _____ TELE NO: _____

RE: R. Kayyaka (JR.) interview continued

Q. Was there any odor in any of the tank excavation areas?

A. No, there was no odor.

Q. How were the excavations backfilled? Where did the fill come from and was it clean?

A. The excavations were backfilled with clean soil from a mound behind the ball field. I can show it to you.

Ray Kayyaka (Jr.) then confirmed my sketches of the tank locations and pointed out the location of piping.

MAY 3, 1991

INTERVIEW WITH WILLIAM (BILL) YOUNG
CRANE OPERATOR AT WRIGHT-MALTA CORPORATION

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:50 PROJECT: GE/MALTA

FROM: _____ TO: Bill Young

COMPANY: _____ COMPANY: Wright - Malta

TELE NO: _____ TELE NO: _____

RE: Interview with Bill Young - Crane operator

Q. Did you remove the tanks?

A. Yes, I did.

Q. Were there any signs of leakage in the tanks or the piping?

A. No.

Q. Was there any surface staining, soil staining at depth or any strong odor.

A. No, the soil was clean and there was no odor.

Q. Was their any product in the tanks?

A. The tanks have been empty for 20 years. There may be some sludge at the bottom but that is all.

Bill Young confirmed the tank sketches and helped locate fill and vent ports and piping.

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:50 PROJECT: GE/MALTA

FROM: _____ TO: Bill Young

COMPANY: _____ COMPANY: Wright - Malta

TELE NO: _____ TELE NO: _____

RE: Bill Young interview continued

Q. When were the tanks installed?

A. I do not know exactly but probably prior to 1951.

Q. How were the excavations filled? Where did the soil come from?

A. The soil came from a bank in the valley between pits 2 and 24. It was clean, yellow sand.

Q. Were the tanks completely buried?

A. Yes, they were two feet below grade or more.

Q. Where is the piping?

A. It is near the warehouse on a pipe rack. I can show it to you.

GERAGHTY & MILLER, INC.
Environmental Services

~~TELEPHONE~~ CONVERSATION RECORD

DATE: 5/3/91 TIME: 1:50 PROJECT: GE/MALTA

FROM: _____ TO: Bill Young

COMPANY: _____ COMPANY: Wright-Malta

TELE NO: _____ TELE NO: _____

RE: Bill Young interview continued

During the interview Mr. Young examined the tank location sketches and informed me that the alcohol tank near the Building 28 tanks was not encountered during the excavation. He believed that it must have had been removed many years ago.

Mr. Young and R. Kazyaka (JR.) showed me the tank locations, the piping locations, the pipes and R. Kazyaka (JR.) showed me the tanks and the bank used to excavate soil backfill. They both confirmed that the tanks held hydrocarbons.

APPENDIX E

PHOTOGRAPHS

TANK EXCAVATION PHOTOGRAPHS

TAKEN BY RAY KAZYAKA
PRESIDENT OF WRIGHT-MALTA CORPORATION
(APRIL 1 TO APRIL 5, 1991)



Photograph 1: Building 15, Gasoline UST (3,000 gallons) - Tank 1



Photograph 2: Building 15, Gasoline Tank Excavation Pit (Tank 1).



Photograph 3: Building 15, Gasoline Tank Excavation Pit (Tank 1).



Photograph 4: Building 28, Fuel Oil UST (6,000 gallon) - Tank 5.



Photograph 5: Building 28, Fuel Oil Tank Excavation Pit (Tank 5).



Photograph 6: Building 28, Fuel Oil Tank Excavation Pit (Tank 5).

SITE VISIT PHOTOGRAPHS

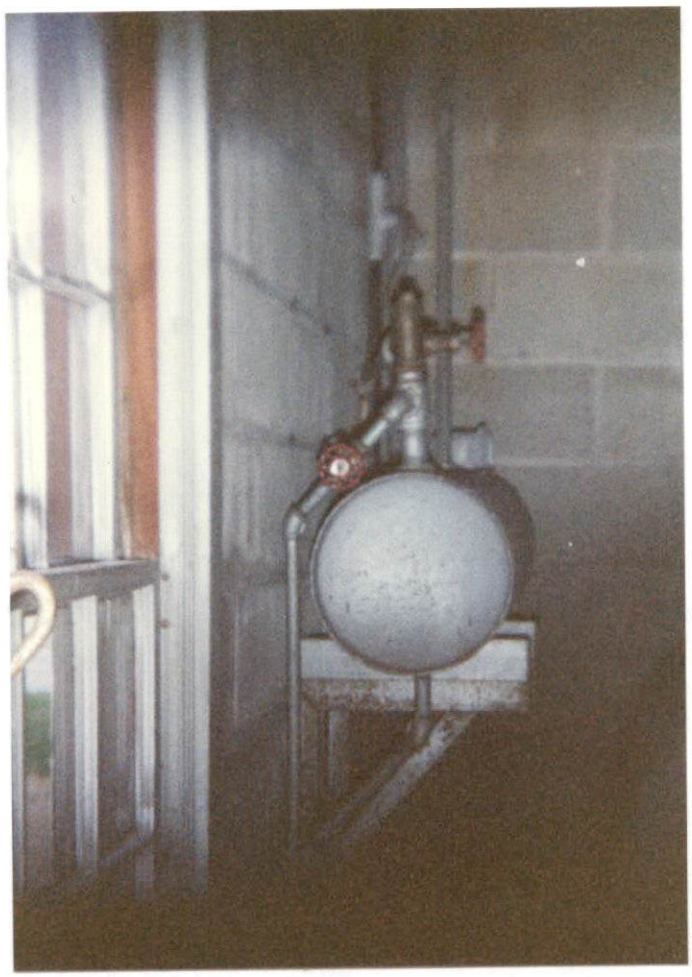
TAKEN BY DAVID STOCKAR
EMPLOYEE OF GERAGHTY & MILLER, INC.
(MAY 3, 1991)



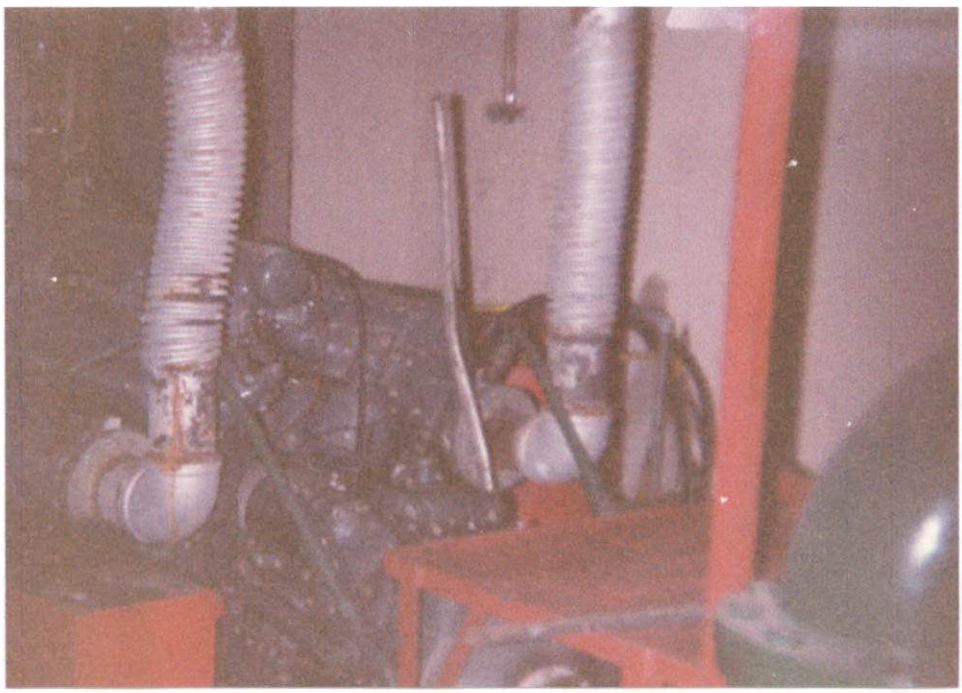
Photograph 7: Northwest wall of Building 15. Vent pipes for gasoline tanks (Tanks 1 and 2). Piping entered building below ground surface and through floor.



Photograph 8: Northwest interior wall of Building 15. Pipes leading from the two gasoline tanks.



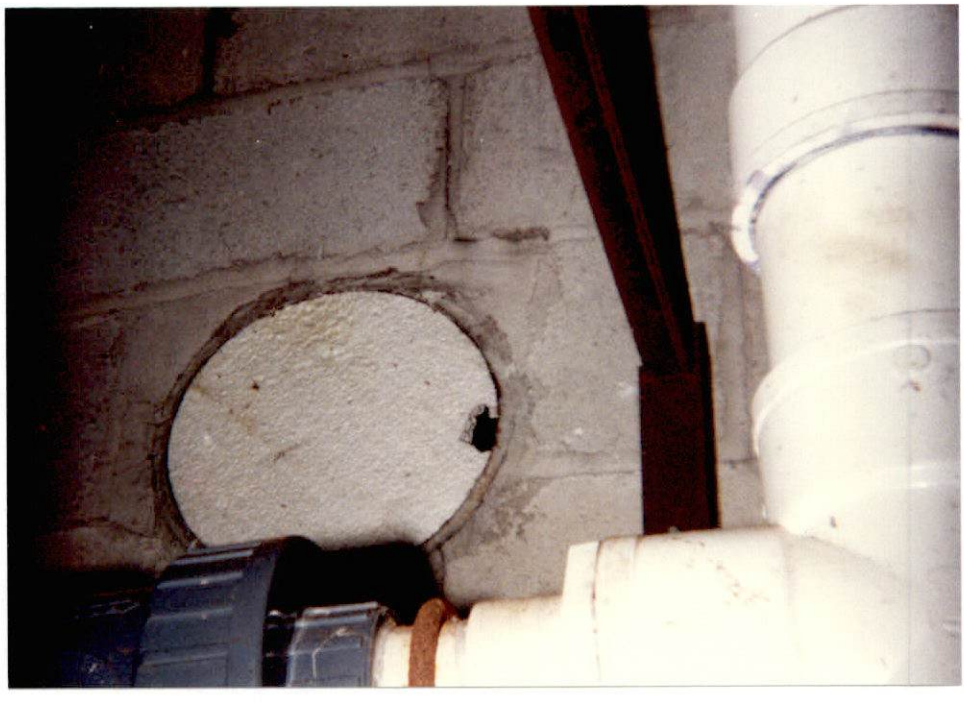
Photograph 9: Northwest interior wall of Building 15. Small gasoline reservoir connected to the piping system from Tanks 1 and 2.



Photograph 10: Backroom of Pneumatic Laboratory, Building 15. Gasoline driven engines used in the laboratory and connected to Tanks 1 and 2.



Photograph 11: Southwest side of Building 15 with brick chimney. Disturbed soil from fuel oil tank (Tank 3) excavation.



Photograph 12: Southwest interior wall of Building 15. This is an exhaust port for the heating furnace. The port enters the brick chimney. The furnace, now removed, was located below the port. Fuel feed lines entered the building below ground surface and through floor.



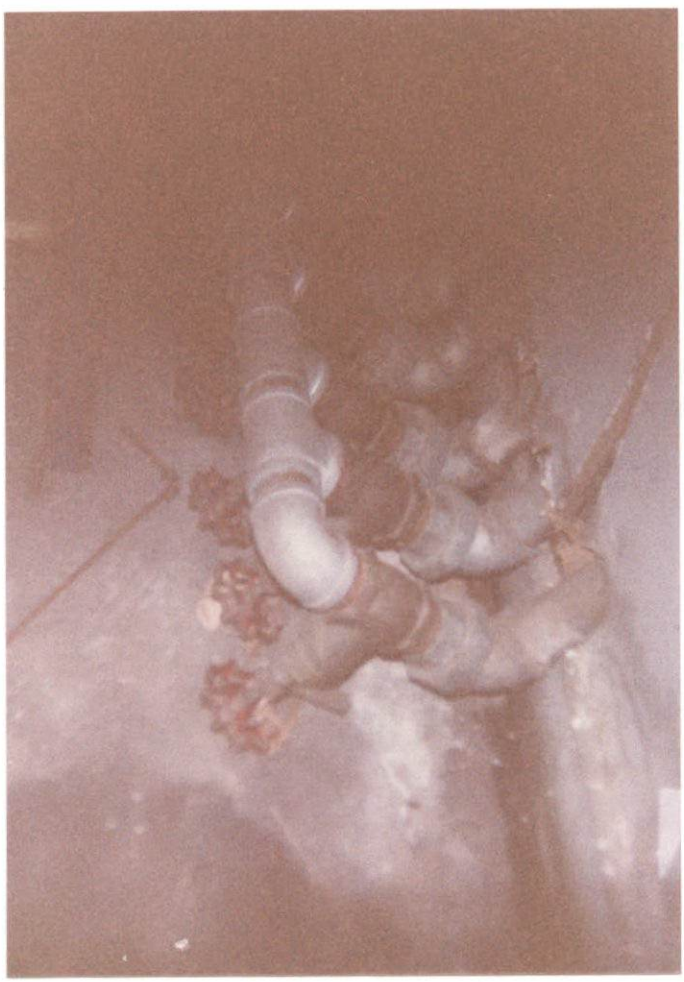
Photograph 13: Building 28 and 28H (center) and northeast wall of Building 10 (right edge of photo). This was the site of the two 6,000-gallon, fuel oil tanks (Tanks 4 and 5).



Photograph 14: Building 28 area. This is the disturbed soil in the Tank 4 and 5 excavation area. The southwest side of Building 10 is visible in the upper portion of the photograph.



Photograph 15: Northwest wall of Building 28. Fuel oil pipes from Tanks 4 and 5 entered the building through the holes at the base of the wall.



Photograph 16: Northwest interior wall of Building 28. Fuel oil pipes from Tanks 4 and 5 connected to one line leading to a furnace in Building 28H.



Photograph 17: Building 28H. Fuel oil furnace which was supplied by Tanks 4 and 5.



Photograph 18: Storage area D-4. Gasoline tanks in foreground (Tank 1 on left, Tank 2 on right) and fuel oil tanks in background.



Photograph 19: Top of Tank 1 (3,000 gallon gasoline tank).



Photograph 20: Bottom of Tank 1 (3,000 gallon gasoline tank).



Photograph 21: Bong at bottom of Tank 1.



Photograph 22: Fill pipe at top of Tank 1.



Photograph 23: Fill pipe at top of Tank 1.



Photograph 24: Interior of concrete housing which covered the fill pipe for Tank 1.



Photograph 25: Tank 2 (5,000 gallon gasoline tank).



Photograph 26: Tank 3 (550 gallon fuel oil tank).



Photograph 27: Bottom of Tank 3, asphalt coating still visible.



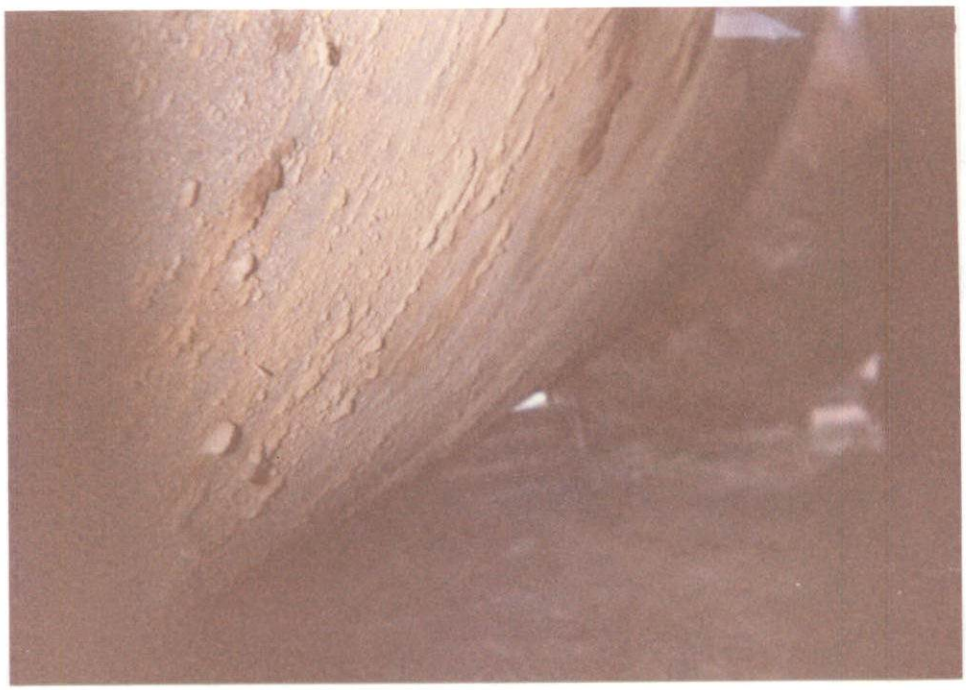
Photograph 28: Tank 5 (6,000 gallon fuel oil tank) seams with crane shovel gashes and surficial pitting visible.



Photograph 29: Bottom section of Tank 5. Black asphalt coating is visiable.



Photograph 30: Top of Tank 4 (6,000 gallon full oil tank).



Photograph 31: Bottom section of Tank 4. The area was poorly accessible due to the proximity of Tanks 4 and 5.



Photograph 32: Piping from Tank 4 and 5.



Photograph 33: Tank piping stored in racks.



Photograph 34: Tank piping stored in racks.



Photograh 35: Tank piping stored in racks.