DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090
May 31, 2007

RECEIVED
JUN - 4 2007
REMEDIAL BURREAU A

REPLY TO
ATTENTION OF
Programs and Project Management Division

Mr. Jon A. Kelley
Senior Vice President
Luther Forest Technology Campus Economic Development Corp.
28 Clinton St.
Saratoga Springs, New York 12866-2191

RE: FORMER MALTA TEST STATION; FORMERLY USED DEFENSE SITE (FUDS)
PROPERTY No. C02NY0898

Dear Mr. Kelley:

Enclosed is a completed inventory project report (*INPR*) amendment recommending a project to close two underground storage tanks, allegedly containing rocket fuel.

The project was approved by our higher headquarters. Future work will be performed, subject to the availability of funds.

Please contact me at (917)790-8235, if you have any further questions.

Sincerely,

Gregory J. Goepfert
Project Manager

Encl.

cc: NYSDEC / Mr. John Swartwout, w/enclosure

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278–0090

REPLY TO
ATTENTION OF

CENAN-PP-E (200-1a)

MEMORANDUM FOR Commander, North Atlantic Division, ATTN: CENAD-T-HS, Building 301, Fort Hamilton Military Community, Brooklyn, NY 11252-6000

SUBJECT: DERP-FUDS Inventory Project Report (INPR) for Site No. C02NY0898, Malta Test Station, Malta, New York (Amended)

Sir,

1. An amendment to the INPR for the Malta Test Station is recommended. The Site Survey Summary Sheet (Amended) may be found as enclosure 1. The Finding and Determination of Eligibility for this property, is provided as enclosure 2.

2. Based on the Site Survey Summary Sheet, and review of recently evidenced records, there are two (2) underground storage tanks, reportedly containing rocket fuel, that require closure.

3. The Project Summary Sheet is presented as enclosure 3. An updated cost estimate for the proposed project is provided as enclosure 4. Additional supporting documentation is provided as enclosure 5.

4. I recommend that you review this amended INPR and provide your approval for further action at this property. A copy of this memorandum and enclosed documentation has been provided to Baltimore District (CENAB-EN-H). The point of contact for this action at New York District is Mr. Gregory J. Goepfert, (917) 790-8235.

Yr,

ANIELLO L. TORTORA
COL, EN
Commanding

5. Encls
1. Site Survey Summary Sheet
2. Finding and Determination of Eligibility
3. Project Summary Sheet
4. Cost Estimate
5. Supporting Documentation

SITE SURVEY SUMMARY SHEET (Amended)
FOR DERP-FUDS SITE No. C02NY0898
Malta Test Station, Malta, New York
March 2007

SITE NAME: Malta Test Station

LOCATION: Malta, New York

SITE HISTORY: The site, also known as the Saratoga Research and Development Center, is located in Malta, New York, approximately 1.5 miles south of Saratoga Lake and 2 miles northeast of Round Lake. The Malta Test Station has been used as a research and development facility for rocket and weapons testing for more than 50 years. A finding and determination of eligibility for this site was executed on 01 April 1988.

SITE VISIT: A site visit was conducted by Gregory J. Goepfert on 18 December 2006, as part of the Military Munitions Response Program (MMRP) site inspection project. The site coordinates, as measured by Global Positioning System (GPS) are 47° 57' 47.155" N and 60° 12' 48.97" E (UTM NAD 18N). In the 1998-9 timeframe, the United States Environmental Protection Agency (U. S. EPA), conducted a Superfund cleanup of the site, which included groundwater treatment, soil removal and institutional controls, addressing primarily hazardous and toxic waste, but not issues related to underground storage tanks containing rocket fuel.

CATEGORY OF HAZARD: CON-HTRW.

PROJECT DESCRIPTION: In addition to the previously approved MMRP project, there is one additional potential project proposed for this site:

a. CON-HTRW. Remove alleged rocket fuel from two (2)- 10,000 gallon underground storage tanks (USTs), properly close and remove the USTs and appurtenant piping in accordance with regulatory guidelines.

AVAILABLE STUDIES AND REPORTS: Phase II Environmental Site Assessment, Former Wright Malta Corporation Site, Towns of Malta and Stillwater, Saratoga County, New York, prepared by C.T. Male Associates for the Luther Forest Technology Campus Economic Development Corporation, April 2006; Superfund Preliminary Site Close-out Report, Malta Rocket Fuel Area Site, Towns of Malta and Stillwater, Saratoga County, New York, U. S. EPA, Region II, Emergency and Remedial Response Division, September 23, 1999; Final Remedial Investigation Report, Malta Rocket Fuel Area Site, Towns of Malta and Stillwater, Saratoga County, New York, ERM-Northeast, Inc., 501 New Karner Road, Suite 7, Albany, New York 12205, February 14, 1995.

POINT OF CONTACT: Mr. Gregory J. Goepfert, (917) 790-8235; U.S. Army Corps of Engineers, New York District, CENAN-PP-E.

Encl. (1)

DEFENSE ENVIRONMENTAL RESTORATION PROGRAM
FOR FORMERLY USED SITES
FINDINGS AND DETERMINATION OF ELIGIBILITY
MALTA TEST STATION
MALTA, NEW YORK
PROJECT NO. C02NY089800

FINDINGS OF FACT

1. A project is proposed at the Malta Test Station, located in the Towns of Malta and Stillwater in Saratoga County, New York. The project consists of Corps of Engineers participation in a Remedial Investigation/Feasibility Study (RI/FS) being planned under the dictates of New York State Department of Environmental Conservation (NYSDEC). Participation will be in an advisory capacity with the purpose of determining the extent of DOD responsibility. NYSDEC has conducted field investigations which confirm significant groundwater contamination at the site.

2. The Malta Test Station was established in 1945 on a 165.36 acre tract by lease from Thomas F. Luther. On 3 March 1955, the U.S. acquired in fee by condemnation, 165.36 acres for the Department of the Army. The U.S. also acquired a perpetual easement over a circular area containing 1800 acres.

3. The Malta Test Station was built by the Department of the Army and consists of approximately 25 structures. The Station was for research, development and testing of rocket engines and fuels. General Electric Company was contractor-operator from 1945 to 1964, the duration of DOD control and ownership. Use of Malta Test Station was granted to the U.S. Air Force by permit from October 1955 to 30 June 1960. The National Aeronautics and Space Administration (NASA) used the site to simulate re-entry conditions for space vehicles in 1960.

4. The entire property was reported excess to the General Services Administration (GSA) on 25 November 1960. GSA conveyed the 165.36 acre in fee to the New York State Atomic and Space Development Authority (NYSASDA) by quitclaim deed dated 4 February 1964 along with the perpetual easement of 1800 acres. This deed prohibited human habitation and hunting with the right to remove buildings used for human habitation and to post signs indicating the nature and extent of control over the easement. NYSASDA was succeeded by the New York State Energy Research and Development Authority (NYSERDA). General Electric performed research under contract with NYSASDA and NYSERDA from 1964 to 1972. In 1972, the site was leased to Wright Malta Corporation. By quitclaim deed dated 20 December 1984, NYSERDA sold 81.13 acres fee to Wright Malta, with the same restrictions over the easement area as mentioned above. This parcel contained most of the original facilities. Of the remainder of the original fee site, NYSERDA leased 55 acres to Power Technologies, Inc. and 29.23 acres to Mechanical Technologies, Inc.

Encl. (2)

a. NYSERDA currently owns 445 acres in fee which consists of: 84.23 acres of the original fee area along with 273.00 fee acres that were part of the original 1800 acre easement, plus an additional 87.97 acres that is adjacent. The NYSERDA portion of the site was renamed the Saratoga Research and Development Center (SRDC). The purpose of the center has always been designated for energy and power research. The facility was originally constructed for the Iso-Nuclear Corporation to sanitize hospital equipment and preserve food. The Corporation defaulted, so the site was leased to G.E. from 1972-74 as a gas centrifuge enrichment technology research project. In 1974, the facility was leased to Exxon Nuclear Company, Inc. to carry on research G.E. started. From 1979 to 1981 NYSERDA renovated the facility. In 1981 it was leased to G.E. for the development of pressurized fluidized bed combustion and molten carbonate fuel cell development. The facility has been vacant since April or May, 1987.

b. The Wright-Malta Corporation currently owns 81.13 acres of the original acres fee. Wright-Malta uses the 17 former DOD structures to conduct rocketry and weapons research for DOD. Wright Malta also conducts research for other private organizations. Most of its work is classified and confidential. There are no restrictive clauses designated in Wright Malta's deed to the property.

c. The Luther Forest Corporation, a real estate development company, currently owns 14 acres of the original easement surrounding the Test Station. Although unable to develop the land it has always maintained timbering rights to the forest. Unpaved logging roads cut throughout the site and communities built by the Luther Forest Corporation line the perimeter of the easement. It is within these communities that public wells subject to the danger of contamination are located.

d. Eight former DOD structures are located on NYSERDA property. The nuclear plant and two former warehouses which have been converted to office space have all been leased to various companies. Power Technologies, Inc and Mechanical Technologies, Inc. occupy the converted warehouses. The rocket tower and its adjoining control and storage bunkers and the fuel tanks are abandoned. There also exists an area, cleared and improved by the DOD, which NYSERDA used to conduct water spray evaporation studies for cooling systems. In order to conduct their research, a polyvinyl chloride liner was placed in an existing depression and filled with water only. Pumps were installed in a local existing shed. Most of the observable concrete hatches, the purpose of which are unknown, are located in this portion of the site. A triangular configuration of concrete pads is located on the site, Debris and drums were observed in clearings and scattered behind trees.

5. During the period of DOD ownership, GE used various solvents including carbon tetrachloride and trichloroethylene. During the period of NYSERDA ownership, GE used similar solvents from 1965 through March 31, 1972 and at various times thereafter. Exxon Nuclear Company handled several hazardous chemicals including methyl, ethyl, ketone, acetone, perchloroethylene and toluene over the five-year period of their lease from NYSERDA.

a. An April 1985 investigation revealed significant groundwater contamination on Wright-Malta and NYSERDA property. Predominant contaminants were carbon tetrachloride (1100 parts per billion), chloroform (59 ppb), polychlorinated biphenyls (1.3 ppb), trichlorothylene (240 ppb), and boron (140 ppb). Groundwater flow is suspected to be towards the Luther Forest Well Field approximately one mile from the site. More recent sampling of the wells showed lower contaminant concentration than those indicated in the April 1985 sampling.

b. NYSDEC has named the Corps of Engineers, GE, and Wright-Malta Corporation as Potential Responsible Parties (PRP) for the contamination at the site, and has requested that the RI/FS address such sources of contamination as abandoned concrete block structures and cooling ponds, leachfields, dry wells, and storage and disposal areas. NYSDEC also required an early warning system to protect off-site water supplies. GE has installed a system of monitoring wells to satisfy this requirement and has developed a Work Plan for the RI/FS, and has installed air stripping columns to purify on-site drinking water supplies.

c. The Wright-Malta property contains three underground fuel storage tanks that may have been DOD property during the period of DOD control. The NYSERDA property contains five underground storage tanks, burial waste sites, dump sites, a rocket test stand and associated one million gallon concrete heat sink, and concrete pads, hatches and pylons. Some of these may be a result of DOD ownership, but it is unknown if subsequent owners have used the structures or generated the buried wastes and dump sites. Since NYSERDA considers all of these items as potential sources of contamination, a debris removal project will not be considered until completion of the RI/FS.

d. There is no evidence of unexploded ordnance resulting from DOD use of the site.

DETERMINATION

Based on the foregoing findings of fact, it is determined that prior DOD ownership and utilization of the site, as described above, may have contributed to the present contamination conditions of the site. However, it has not yet been determined if DOD activities are responsible for the groundwater contamination at this site. Studies, as previously listed, did identify certain chemical contamination that could be associated with previous DOD activities at the facility. Therefore, it is recommended that limited participation in a Remedial Investigation/Feasibility Study, to the extent set out herein, is an appropriate undertaking within the purview of the Defense Environmental Restoration Program, established under 10 USC 2701 et. seq, for the reasons stated above.

1 Apr 88
DATE

Lloyd A. Duscha
LLOYD A. DUSCHA, P.E.
Deputy Director
Directorate of Engineering
and Construction

PROJECT SUMMARY SHEET
FOR
DERP-FUDS MMRP PROJECT No. C02NY089803
MALTA TEST STATION
MALTA, NEW YORK
SITE No. C02NY0898

30 March 2007

PROJECT DESCRIPTION: Remove the contents of two (2), 10,000 gallon underground storage tanks (USTs), properly close and remove the USTs and appurtenant piping.

PROJECT ELIGIBILITY: These USTs are depicted on a site drawing dated August 15, 1952, which is prior to the property transfer; both tanks have not been beneficially used by the current owner.

POLICY CONSIDERATIONS: There is no policy that prohibits the proposal of this project. The U. S. Army used the project site, and therefore, the site would be eligible for cleanup under the DERP-FUDS Program.

PROPOSED PROJECT: CON-HTRW - Remove residual contents of both USTs, remove both USTs, backfill excavation and perform site restoration.

COST ESTIMATE: Provided at enclosure (4).

POC: Mr. Gregory J. Goepfert, (917) 790-8235.

Encl. (3)

COST ESTIMATE

CON-HTRW PROJECT

MALTA TEST STATION FUDS

C02NY089803

It is estimated that the total cost of performing removal of the fuel from and proper closure of the two (2), 10,000 gallon USTs and piping will be about $20,000 (See vendor quote previously provided to current owner on February 1, 2006, attached); U. S. Army Corps of Engineers supervision and administrative costs of $5,000 are typical for a project of this scope. Therefore, a total project cost of $25,000 is estimated.

Encl. (4)

MC ENVIRONMENTAL SERVICES, INC.

526 Queensbury Avenue
Queensbury, NY 12804

518-615-0349 fax: 615-0355

February 1, 2006

FEB - 3 2006

Ms. Aimee Gates
CT Male Associates, PC
50 Century Hill Drive
Latham, New York 12110

Re: **UST Removals – Wright Malta Test Site – Malta, NY**

Service Quotation

Dear Ms. Gates:

M C Environmental Services, Inc. is pleased to offer a proposal to excavate, cut, clean and dispose of two, 10,000-gallon underground fuel storage tanks (USTs) from the above-referenced location, as follows:

Labor, Equipment & Material to excavate, cut, clean and dispose of two, 10,000-gallon tanks and associated piping:	**$ 12,769.00**
Transportation / Disposal of Tank Liquids:	**$ 1.00 / gallon**
Backfill (run-of-bank sand), installed & compacted:	**$ 13.00 / ton**

Thank you for the opportunity to quote on this project. If you have any questions regarding this proposal, please call me at 518-615-0349.

Very truly yours,

Michael G. Craft
President

SUPPORTING DOCUMENTATION

1) C. T. Male, Letter dated June 12, 2006, regarding USTs

2) Malta Rocket Fuel Area Site Map, August 15, 1952

Encl. (5)

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, P.O. Box 727, Latham, NY 12110-0727
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

June 12, 2006

Mr. John B. Swartwout, P.E.
Chief, Remedial Bureau A
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, New York 12233-7015

Re: Former Wright-Malta Corporation Property (Malta Test Station)
Luther Forest Technology Campus
C.T. Male Project No. 05.5083

Dear Mr. Swartwout:

Thank you for participating in the May 23, 2006 TPP Session held by the U.S. Army Corps of Engineers (Corps) at the Luther Forest Technology Campus (LFTC).

As you are aware, the Luther Forest Technology Campus Economic Development Corporation (LFTCEDC) is the current owner of the former Wright-Malta Corporation Property, which was historically known as the Malta Test Station. Before acquiring the property in June 2004, C.T. Male Associates, P.C. (C.T. Male) on behalf of LFTCEDC completed several environmental site assessments, and several additional site assessments have been completed since LFTCEDC acquired the property.

It is the professional opinion of C.T. Male that LFTCEDC meets the requirements of a Bona Fide Prospective Purchaser, and it is LFTCEDC's desire to continue to exercise appropriate care by taking reasonable steps to address identified environmental conditions at the subject site.

Attached please find a copy of the most recent environmental site assessment done at the former Wright-Malta Corporation property. This report is entitled, "Phase II Environmental Site Assessment, Former Wright-Malta Corporation Site" and is dated April 2006.

PLEASE NOTE: THE INFORMATION CONTAINED IN PHASE II ENVIRONMENTAL SITE ASSESSMENT, FORMER WRIGHT-MALTA CORPORATION SITE DATED APRIL 2006 (THE "REPORT") CONSTITUTES TRADE SECRETS AND/OR INFORMATION OF LUTHER FOREST TECHNOLOGY CAMPUS ECONOMIC DEVELOPMENT CORPORATION AND ITS AFFILIATES, AND IF DISCLOSED WOULD CONSTITUTE SUBSTANTIAL INJURY TO THE COMPETITIVE POSITION OF LUTHER FOREST TECHNOLOGY CAMPUS ECONOMIC DEVELOPMENT CORPORATION. AS SUCH THIS REPORT AND ANY ATTACHMENTS OR ADDENDUM THERETO SHALL BE EXEMPT FROM DISCLOSURE UNDER THE FREEDOM OF INFORMATION LAW ("FOIL") IN ACCORDANCE WITH §87 OF FOIL.

Of highest importance, this report identifies two (2) unregistered tanks associated with Building 28. The two tanks are not empty and chemical analytical laboratory results describe the contents of these tanks as an unknown mixture of gasoline and aviation fuel/kerosene, possibly containing alcohols. It is possible that these tanks contain experimental mixtures of rocket fuel.

LFTCEDC seeks the assistance of NYSDEC to address the identified environmental condition associated with the two (2) unregistered underground storage tanks. While existing data suggests that these two (2) underground storage tanks are not leaking, the tanks conditions are unknown. C.T. Male has recommended the removal of the tanks, tank contents, and associated contaminated solids. However, LFTCEDC lacks sufficient funds to undertake this removal action at the present time. In addition LFTCEDC desires to close out all active spills on the subject site, including but not limited to the stained soil spill report associated with the afore discussed Building 28 two (2) underground storage tanks.

Please note that other identified environmental conditions may require additional response actions. In this regard LFTCEDC seeks NYSDEC assistance, as may be appropriate.

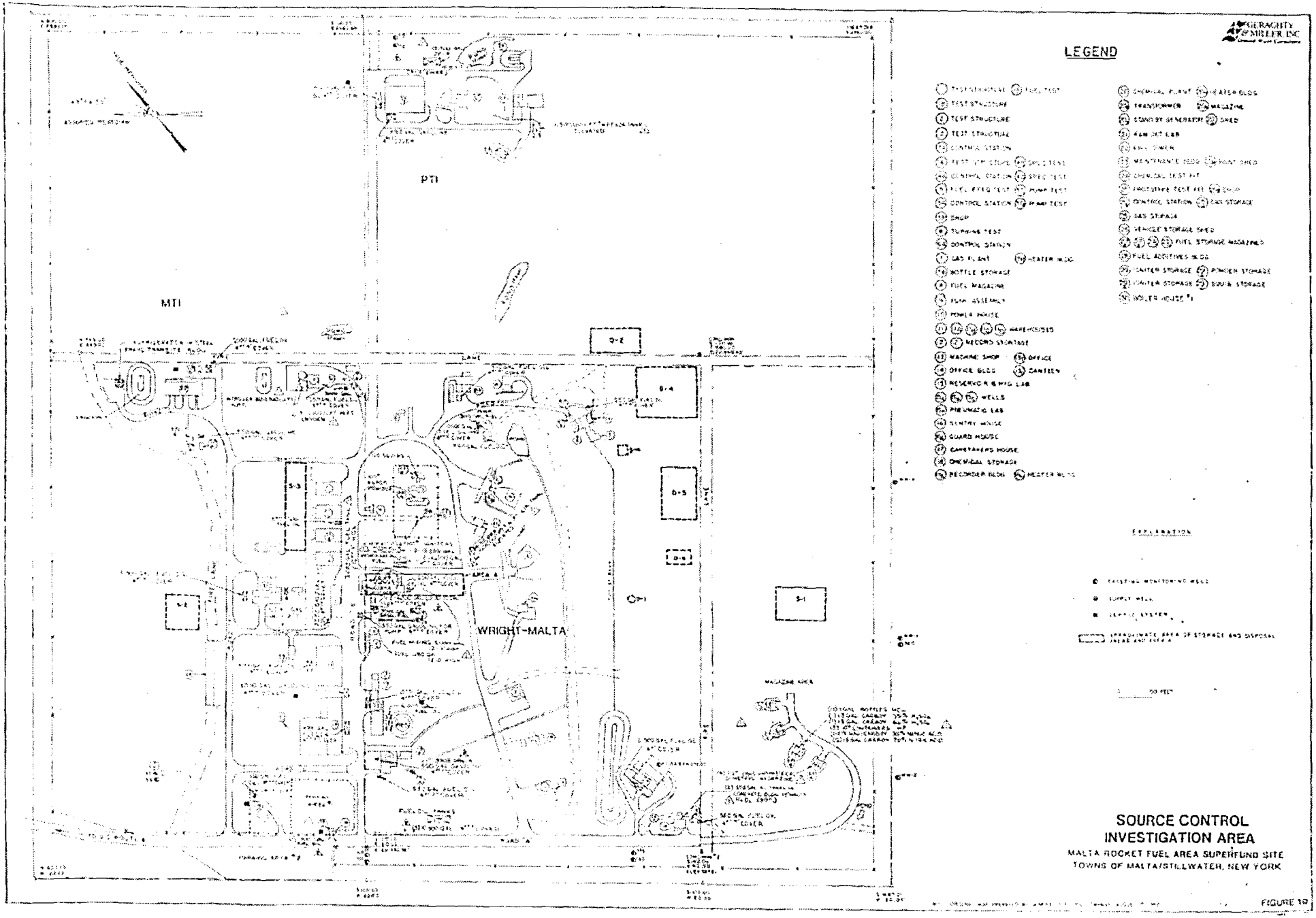
Thank you for your consideration of this request. Should you have any question or comment on this correspondence, or the attached report, please contact me or Jack Kelley, Senior Vice President of LFTCEDC. We are available to meet at your convenience.

Sincerely,
C. T. MALE ASSOCIATES, P.C.

Aimee Cates for:
John S. Munsey, P.G
Managing Scientist & Principal
Environmental Services

cc: Jack Kelley, Ken Green (LFTCEDC)
Gregory Goepfert (Corps - FUDS)**
Soo Kang (ESDC)
Terresa Skaine, Scott Reid (Lemery Greisler)
George Pavlou, Patricia Simmons Pierre (USEPA Region 2)**
Russ Huyck (NYSDEC Region 5)**

** *denotes with copy of report.*


GERAGHTY & MILLER, INC.
LEGEND
PTI
MTI
WRIGHT-MALTA
EXPLANATION
SOURCE CONTROL
INVESTIGATION AREA
MALTA ROCKET FUEL AREA SUPERFUND SITE
TOWNS OF MALTA/STILLWATER, NEW YORK
FIGURE 19