

ARCADIS GERAGHTY & MILLER



ARCADIS Geraghty & Miller, Inc.
88 Duryea Road
Melville
New York 11747
Tel 516 249 7600
Fax 516 249 7610

VIA FEDERAL EXPRESS

Girish Desai
New York State Department of Environmental Conservation
Building 40, SUNY at Stony Brook
Stony Brook, New York 11790

Subject:
North Shore Tower Golf Course Soil Sampling Plan
Former Unisys Inactive Hazardous Waste Site No. 1-30-0-0045,
Great Neck, New York
ARCADIS Geraghty & Miller Project No. NY001227.0002.0016

ENVIRONMENTAL UNIT

Dear Mr. Desai:

Melville,
6 December 2000

ARCADIS Geraghty & Miller, Inc. has prepared this Soil Sampling Work Plan for Lockheed Martin Corporation (Lockheed Martin) for the collection of soil samples at the North Shore Towers golf course in Floral Park, New York (see Figure 1). The purpose of the sampling is to determine whether or not residual volatile organic compounds (VOCs) are present in the soil as a result of irrigation from the site's affected well.

Contact:
Carlo San Giovanni

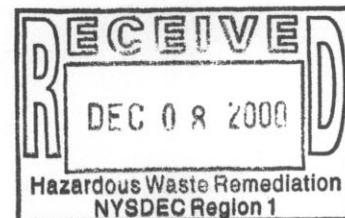
Extension:
631-391-5259

VOCs have been detected in Well N2576, which is located to the west of the former Unisys site. This well is utilized by the North Shore Towers to irrigate its golf course (see Figure 1). Until 1999, the well was also used to irrigate the community garden at the North Shore Towers complex.

To assess the potential risks to human health as a result of the irrigation, soil samples will be collected within the irrigated area on the golf course and the community garden, and analyzed for volatile organic compounds. The analytical results will then be used in a risk assessment to evaluate the potential health risk(s).

Methodology

Soil samples will be collected from eight soil borings (designated SB-1 through SB-8) at locations shown on Figure 1. Three soil borings (SB-1, SB-2 and SB-3) will be located on the 16th green, two soil borings (SB-4 and SB-5) will be located on the 16th fairway, and three soil borings will be located in the community garden (SB-6, SB-7 and SB-8). Soil samples will be collected from an area covered by the irrigation system as indicated in the field by North Shore Towers personnel and confirmed by green, non-drought stressed grass. A decontaminated trowel will be used to cut an opening in the grass. Two discreet soil samples will be collected from



each boring location at 0 to 6 inches and 12 to 18 inches below land surface using a decontaminated soil-core sampler. After the soil samples are collected, the cuttings will be placed back in the borehole and the grass will be replaced. Clean soil will be used to fill the borehole as needed. A sketch will be drawn showing the location of each soil boring.

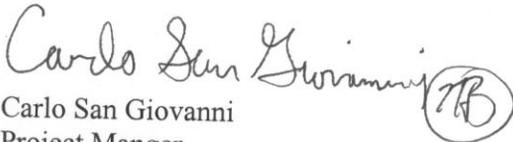
Soil samples will be submitted under chain-of-custody protocols to a New York State certified laboratory for analysis of Target Compound List (TCL) VOCs, plus Freon 113 (trichlorotrifluoromethane) using New York State Department of Environmental Conservation (NYSDEC) Method 1311/8260B.

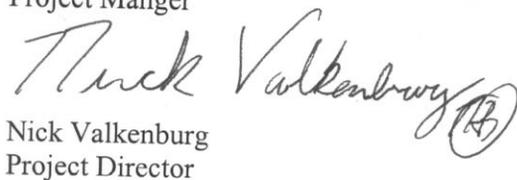
All equipment that comes in contact with the soil will be decontaminated between soil boring locations using a laboratory grade detergent (Micro) and deionized water. An equipment blank will be collected from the soil-core sampler and be analyzed for TCL VOCs, plus Freon 113 using NYSDEC Analytical Services Protocol (ASP) Method 95-1.

If you have any questions or require additional information, please call Carlo San Giovanni at 391-5259.

Sincerely,

ARCADIS Geraghty & Miller, Inc.

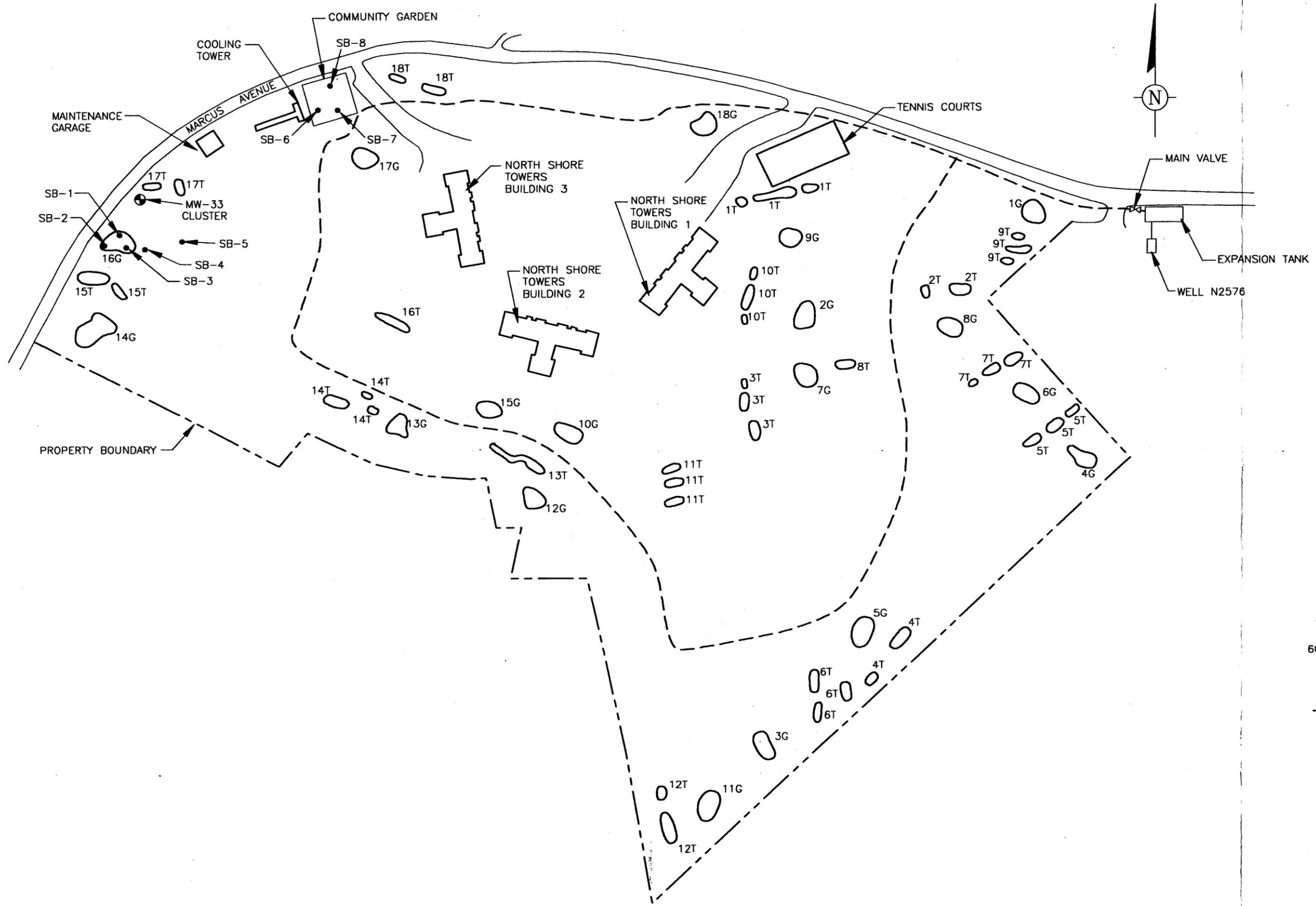

Carlo San Giovanni
Project Manger


Nick Valkenburg
Project Director

Enclosure

Copies:
Robert McMullen, Lockheed Martin Corporation
John Olm, NYSDOH

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KEY

- 7T ○ TEE LOCATION AND DESIGNATION
- 6G ○ GREEN LOCATION AND DESIGNATION
- PROPOSED SOIL BORING LOCATION AND DESIGNATION
- WATER MAIN (LOCATION APPROXIMATE)
- ⊕ MW-33 LOCATION AND DESIGNATION OF EXISTING MONITORING WELL CLUSTER

SCALE: 1"=300'-0"

NO.	DATE	REVISION DESCRIPTION	BY
			CKD

ARCADIS GERAGHTY & MILLER



NORTH SHORE TOWERS AND GOLF COURSE
 FLORAL PARK, NEW YORK
 LOCKHEED MARTIN CORPORATION
 GREAT NECK, NEW YORK

DRAWN A.G.	DATE 8/18/99	PROJECT MANAGER N. BENOWITZ	DEPARTMENT MANAGER
LOCATION OF PROPOSED SOIL BORINGS		LEAD DESIGN PROF.	CHECKED N.B.
		PROJECT NUMBER NY001227.002.05	DRAWING NUMBER 1