

Forensic Environmental Services, Inc.

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June 28, 2002

Victor Valaitis, Environmental Engineer
NYS Dept. of Environmental Conservation
Division of Solid & Hazardous Materials
625 Broadway, Albany, NY 12233-7252

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JUL 01 2002

RE: Revisions to the Enhanced RFA Sampling Report
Former Norton/Nashua Tape Products Facility
2600 Seventh Avenue
Watervliet, New York

BUREAU OF SOLID WASTE
& LAND MANAGEMENT
DIVISION OF SOLID &
HAZARDOUS MATERIALS

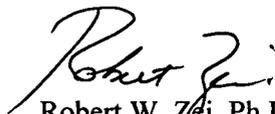
Dear Mr. Valaitis:

Please find enclosed two copies of the revised report summarizing results of the Enhanced RFA monitoring well and sewer water/sediment sampling event performed at the Former Norton-Nashua Tape Products Site in Watervliet. The report has been revised to address the comments presented in your correspondence of May 30, 2002.

If you have any questions on this submittal, please contact us at (610) 594-3940.

Sincerely yours,

FORENSIC ENVIRONMENTAL SERVICES, INC.



Robert W. Zeli, Ph.D., CPG
Sr. Project Manager

FILE

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WVA



STATE OF NEW YORK
DEPARTMENT OF HEALTH

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

June 27, 2002

Mr. Victor Valaitis
Bureau of Radiation and
Hazardous Site Management
NYS Dept. of Environmental Conservation
625 Broadway – 8th Floor
Albany, New York 12233

RE: Watervliet Arsenal
Siberia Area
Site # 401034
(C) Watervliet, Albany County

Dear Mr. Valaitis:

I have reviewed the June 17, 2002 letter from Mr. James Kardas to you proposing Corrective Action Objectives (CAOs) for the soils at the Siberia Area of the Watervliet Arsenal. The New York State Department of Health finds the enclosed proposed CAO's acceptable with the understanding that future use of the Siberia Area will be restricted to industrial.

If you have any questions, please contact me by telephone at (518) 402-7890 or by e-mail at drg01@health.state.ny.us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniel R. Geraghty'. The signature is fluid and cursive, with a large, prominent loop at the end.

Daniel R. Geraghty
Program Research Specialist III
Bureau of Environmental Exposure
Investigation

cc: Mr. G. Litwin/Mr. M. Rivara/FILE
Mr. E. Hamilton – DEC - Region 4
Mr. S. Lukowski – Albany County Health Dept.
Mr. J. Quinn - DEC

TABLE 1 -CORRECTIVE ACTION OBJECTIVES (CAOs) FOR THE SIBERIA AREA SOILS

	NYSDEC TAGM 4046 Value (mg/kg)	RFI-Adjusted TAGM Value ¹ (mg/kg)	On-Site Surface Soil SSTL (mg/kg)	All On-Site Soil SSTL (mg/kg)	Avg. Sept.'00 Conc. -Plot A (mg/kg)	Avg. Aug.'01 Conc. -Plot A (mg/kg)	Proposed CAO's (mg/kg)
Naphthalene	13	50	N/C	N/C	1.111	0.162	50
Acenaphthene	50	N/A	>SSC	>SSC	0.948	0.110	50
Acenaphthylene	41	50	N/C	N/C	0.023	0.050	50
Anthracene	50	N/A	>SSC	>SSC	1.942	0.223	50
Fluorene	50	N/A	>SSC	>SSC	1.636	0.175	50
Phenanthrene	50	N/A	N/C	N/C	6.497	0.843	50
Benzo(a)anthracene	0.224 or MDL	N/A	3.15	46.27	2.548	0.602	1.0
Chrysene	0.4	3.2	>SSC	>SSC	3.095	0.658	3.2
Fluoranthene	50	N/A	>SSC	>SSC	5.520	1.117	50
Pyrene	50	N/A	>SSC	>SSC	6.246	1.483	50
Benzo(a)pyrene	0.061 or MDL	N/A	0.31	4.63	1.917	0.615	1.0
Benzo(b) fluoranthene	1.1	8.8	3.15	46.27	2.051	0.783	8.8
Benzo(k) fluoranthene	1.1	8.8	31.49	>SSC	1.953	0.337	8.8
Dibenzo(a,h)anthracene	0.014 or MDL	N/A	0.31	4.63	0.100	0.173	1.0
Benzo(g,h,i)perylene	50	N/A	N/C	N/C	1.352	0.500	50
Indeno(1,2,3-cd)pyrene	3.2	25.6	>SSC	>SSC	1.487	0.443	25.6

Note 1 = Adjusted TAGM values based on soil organic carbon content of 8%, as presented in the RCRA Facility Investigation Report, Siberia Watervliet Arsenal, Watervliet, NY. Malcolm Pirnie, Inc. December 1997
TAGMs derived from USEPA Health-Based Criteria or the generic criteria for individual semi-volatile compounds (50mg/kg) were not adjusted.

N/A = Not Applicable

N/C = Not Calculated

>SSC = SSTL is greater than the soil saturation concentration

Proposed CAOs that deviate from the TAGM values

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 BUREAU OF ENVIRONMENTAL
 EXPOSURE INVESTIGATION