

Addendum to the
Proposal to the
UNITED STATES NUCLEAR REGULATORY COMMISSION
for a

THREE YEAR PROGRAM OF GEOLOGIC/HYDROLOGIC
RESEARCH AT WEST VALLEY NEW YORK
WASTE BURIAL AND STORAGE FACILITIES

Submitted by:

New York State Education Department
State Museum and Science Service
-Geological Survey-

May 7, 1981

Schedule of Tasks (with estimated person-year involvement)

	1981	1982	1983
<u>I. Surface Water Project</u>			
stream monitoring -----			
(1.8)	(1.5)	(1.0)	
<u>II. Groundwater Project</u>			
USGS Drilling Project (1.0)	Seismic, resistivity, and *radar studies (1.5)		
Surface Gravel Mapping (0.5)			
<u>III. Geology Project</u>			
Sand Lens delineation	(0.5)		
*Land slide study -----			
Sedimentological Analysis-----			
(0.5)	(0.5)	(0.5)	
Petrological Studies -----			
(0.5)	(0.5)	(0.5)	
<u>IV. Geomorphic Project</u>			
*Spring Freshet Study (0.5)			
Buttermilk Creek Terrace Study (0.2)			
	*Cattaraugus Creek History Project (0.8)		
		(0.7)	
<u>V. Radiochemical Analysis</u>			
*Water and Sediment samples-----			
(0.5)	(0.5)	(0.5)	
<u>VI. Data Analysis and Presentation</u>			
Mapping and cross sections, Progress summaries -----			
(1.0)	(1.0)	(1.0)	
			Final Report Production (2.0)

VII. Site Closing and Decommissioning

instrumentation removal

well plugging (1.0)

Program of Study

- I. Surface Water Project
 1. Stream monitoring
 - a) collection of water and suspended sediment samples
 - b) measurement of stream flow data
 - c) measurement of meteorological parameters
- II. Groundwater Project
 1. USGS Drilling project
 2. Seismic survey, resistivity study, surface pulsed radar study
 3. Surface gravel mapping project
- III. Geology Project
 1. Sand lens definition and delineation
 2. Landslide Study
 3. Sedimentological Analyses
 4. Petrological studies
- IV. Geomorphic Project
 1. Spring freshet study
 2. Buttermilk Creek Terrace study
 3. Cattaraugus Creek erosional history project
- V. Radiochemical Analyses
 1. Water and sediment samples analyzed for radionuclides
- VI. Data Analyses and Presentation
 1. Mapping and cross sectioning of site features
 2. Summaries of progress throughout the study
 3. Production of final report
- VII. Site Closing and Decommissioning
 1. removal of instrumentation
 2. plugging of wells

Budget

	1981	1982	1983
Personnel (including Indirect Costs)			
Coordinators	54682	60150	66166
Assistants	87044	95884	105324
Office Staff	13299	14629	28917
Contractual Services	32000	40000	35000
Supplies	9000	10000	11000
Equipment	3000	3000	3000
Publications	800	1000	2000
Travel (domestic only)	19000	21000	24000
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