

**SITE OPERATIONS PLAN
FOR
DEMOLITION OF BUILDING 401
NIAGARA FALLS STORAGE SITE
Lewiston, New York**

Contract No. DACW49-03-R-0033

Submitted By:

Sevenson Environmental Services, Inc.

2749 Lockport Road

Niagara Falls, New York 14305

COMPLETION OF INDEPENDENT TECHNICAL REVIEW

The Contractor has completed the **(Site Operations Plan) (Item:4.4)** of (Demolition of Building 401 @ the Niagara Falls Storage Site, Lewiston, New York). Notice is hereby given than an independent technical review has been conducted that is appropriate to the level of risk and complexity inherent in the project, as defined in the Quality Control Plan. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of assumptions; methods, procedures, and material used in analyses; alternatives evaluated; the appropriateness of data used and level of data obtained; and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing Corps' policy.

_____/Signature/_____/Date:_____
Design Team Leader

_____/Signature/ Kenneth A. Singer /Date: 9/18/03
Design Team Members

_____/Signature/ R. L. H. II /Date: 9/17/03
Independent Technical Review Team Leader

_____/Signature/ [Signature] /Date: 9/19/03
Independent Technical Review Team Members

CERTIFICATION OF INDEPENDENT TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are as follows:

(Describe the major technical concerns, possible impact, and resolution)

As noted above, all concerns resulting from independent technical review of the project have been considered.

[Signature] (Signature) /Date: 9/19/03
Principal W/CONTRACTOR firm

COMPLETION OF INDEPENDENT TECHNICAL REVIEW

Item No: 4.4

Submittal Title: Site Operations Plan

Significant concerns and the explanation of the resolution are as follows:

(Describe the major technical concerns, possible impact, and resolution)

-Site location correction from Youngstown to Lewiston

-Corrected support zone layout

*-Decontamination trailer to be utilized for entire project not removed after
Asbestos removals*

-Changes to general Schedule

-Correct Acronyms

-Locations for power requirements

-General grammar and spelling corrections

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4.4.1 MOBILIZATION

Upon approval of work plans by USACE, Severson and subcontractors shall initiate mobilization activities. Mobilization shall include all preparatory activities necessary for the execution of work under this contract. Temporary facilities will be mobilized to the site prior to the onset of work activities. Temporary facilities will include the set up of a decontamination trailer / facility, office trailers and sanitary facilities for Severson and USACE.

Workers on the project will have documentation of training and experience, 40 hour HAZWOPER training certification, radiation protection training (meeting 10 CFR Parts 19 and 20 requirements) and documentation of passing an HTRW physical. Certain workers will also be required to have an asbestos certification. In addition to these certifications, a site specific health and safety training and orientation meeting will be given by the USACE at the site.

Mobilization activities will include the following:

- Procurement of necessary tools, equipment, materials, instruments and supplies required to perform abatement, demolition, decontamination, air monitoring, and waste packaging activities as needed.

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- Set up office trailers, decontamination trailers for Severson and USACE to include all necessary utilities(sanitary, electrical, telephones,etc.). Prepare support zones to provide storage areas for managing the wastes generated during building demolition and decontamination activities, as required.
- Obtain required permits, licenses and notifications and notify the appropriate federal, state and local agencies.
- After written approval from USACE, Severson will coordinate the extension of utilities and modification of power requirements for construction and domestic consumption. Refer to utility extension / modification and utility requirements included in section 5.0 of this plan.
- Identify and establish quantities of hazardous materials including, but not limited to, lead, light ballasts, fluorescent light fixtures, mercury / sodium vapor lights, capacitors, thermostats, etc.
- Furnish and install 4' temporary orange fence and / or 6' temporary chain link fence around Building 401 in order to control access and delineate work zones. Refer to the site set-up / layout plan included in section 7.0 which will also

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designate equipment storage and maintenance laydown areas, parking, office trailers, sanitary facilities, and transportation routes.

- Conduct a pre-demolition inspection and retain video / photographic documentation of the existing site conditions prior to commencement of onsite work.
- Refer to section 4.5 Demolition Plan for further pre-demolition activities such as engineering / structural inspection, asbestos survey, asbestos abatement, decontamination / removal of bird and animal waste, and performance of a pre-construction radiological survey of all work areas, including the area up to 15 meters outside of work zones.

4.4.2. DECONTAMINATION FACILITIES

If the pre radiological survey determines the project site has become contaminated, Severson will request from the USACE, permission to use the existing onsite decontamination pad on the south side of Building 403 area. If required, Severson will construct a temporary decontamination pad, and holding tanks will be used to collect water. Equipment and materials will be decontaminated prior to leaving the site with a high pressure water wash. The decon water will be collected in the existing holding tank, sampled, analyzed, and disposed of according to the Sampling and Analysis Plan

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(Section 4.7). The equipment or materials will only be released from the site after Rad. surveys verify that contamination levels are acceptable.

During asbestos removal, a portable remote decontamination shower trailer will be operated by Severson's subcontractor, Metro Contracting and Environmental, Inc. The trailer will be onsite for the duration of the entire project for all personnel. The trailer will consist of the following areas: shower room, clean room, and dirty room. The shower water will be filtered through a 5 micron filter prior to discharge to a sanitary sewer onsite designated by USACE. The filters will be disposed of in the same manner as the Asbestos Contaminated Material.

4.4.3. **LIST OF LOWER-TIER SUBCONTRACTORS**

Severson proposes to use the following subcontractors during the performance of the project.

3.1) CIR Electric - to perform all electrical work including lock out and tag out of the utilities serving Building 401 and to perform utility extensions and modifications as required.

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3.2) Metro Contracting and Environmental, Inc. - to perform asbestos abatement activities as described in the scope of work and the survey performed by Chopra-Lee, Inc.

3.3) Chopra Lee, Inc. - to perform asbestos survey and identify and establish quantities of hazardous materials including, but not limited to, lead, light ballasts, fluorescent light fixtures, mercury / sodium vapor lights, capacitors, thermostats, etc.

3.4) Glynn Geotechnical, Inc. - to perform engineering / structural survey of Building 401 prior to work activities and assist in the development and approval of the demolition plan.

4.4.4. TYPE OF LABOR TO BE EMPLOYED

Due to the project size, Severson's work force will consist of approximately 4-6 union operators from Local 463 and 6 union laborers from Local 91. Other site support personnel will consist of a project manager, superintendent, labor foreman, QA/QC manager, Health Physicist Technician, Radiation Technician, Health & Safety Officer and a Timekeeper.

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Metro Contracting and Environmental, Inc. also plans to use union asbestos certified laborers and supervisors from Local 91.

Glynn Geotechnical, Inc. plans to use professional engineer and management personnel.

Chopra Lee plans to use certified asbestos inspectors and management personnel.

Any electrical work by CIR Electric will be done using union electrical workers.

All management positions for Severson and lower tier subcontractors will be permanent company personnel of their respective companies.

4.4.5 **PROPOSAL FOR UTILITY EXTENSION / MODIFICATION**

Severson requires an electrical power source to supply power to the temporary office trailers, decontamination trailer and 110 volt power for pumps and hand tools. The proposed source of power is an existing power pole located adjacent to Building 429. Severson's electrical subcontractor will wire Severson's and USACE office trailers with 110-volt power and provide the necessary outlets. The system will be installed in accordance with local codes.

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Sevenson has noted during previous work at the Building 401 that electrical power is available southeast of Building 429. Sevenson will coordinate with USACE and CIR Electric to perform utility extensions as required. Water and telephone may also be available onsite and will require written approval by USACE prior to extending or modifying such utilities by Sevenson subcontractors or representatives of any utility companies. If an on-site hydrant is utilized for a water supply, Sevenson will supply a temporary backflow preventer at the hydrant. A manifold will also be connected so as to downsize the water supply for a garden hose connection, supplying the shower trailer, and dust control.

Upon completion of the project, all temporary electric service and utility extensions will be disconnected and removed. All components of the temporary power and utilities will be removed and the area will be returned to its original condition.

4.4.6 WATER MANAGEMENT PLAN

Prior to construction activities (asbestos abatement, demolition), the pre-radiological survey shall dictate whether this site contains radioactive residuals. Should the site contain radioactive residuals, water used for dust control will be limited to "misting" the building material in order to minimize dust generated and volume of runoff water. Water which accumulates on the concrete pad will be

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collected using a vacuum truck, or 2" pump, and stored in suitable portable storage tanks for sampling and analysis as described in the Sampling and Analysis Plan (Section 4.7). Decontamination, loading and / or staging areas will be surrounded by a berm consisting of sand bags, hay bales and polyethylene sheeting. The berm will control runoff of water and accessibility for transfer of water to on-site storage tanks. Severson shall be responsible for obtaining the required discharge permits from appropriate authorities and shall submit to USACE testing procedures for the permits as required.

4.4.7 SITE SET-UP / LAYOUT PLAN OF THE LAYDOWN AREA FOR EQUIPMENT, STORAGE AND MAINTENANCE, PARKING CONTRACTOR OFFICE TRAILERS, SANITARY FACILITIES.

Severson's / USACE office trailers and sanitary facility will be set up on the south east side of Building 429 and west of the existing fence line. The decontamination trailer used during asbestos abatement and remaining aspects of the project will be set up on the south east side of Building 429 and east of the existing fence line. Equipment storage and maintenance will occur within the building demolition zone delineated by installing perimeter fencing. Severson personnel, subcontractors and transport vehicles will enter and leave the site from the Pletcher Road entrance. Severson personnel and subcontractors will park their vehicles in the Visitor's parking lot south of Building 429.

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4.4.8 SITE SECURITY AND ACCESS MEASURES

The entire Niagara Falls Storage Site is surrounded by security fencing and access to the site will be through the Pletcher Road entrance south of Building 401. The USACE currently supplies security personnel on a daily basis. It is Severson's understanding that the USACE security personnel will be onsite during all field activities. As a precaution, Severson will be installing perimeter fencing around the Building 401 demolition zone to delineate the work area and to control access to the project work zone. Only qualified personnel will be permitted within the work zone and a record / log will be kept by Severson and submitted to USACE on a daily basis.

4.4.9 SITE RESTORATION / CLEANUP PLAN

Due to the nature and scope of work, damage to the project site is expected to be minimal. Upon completion of the project, all equipment, office trailers, temporary power lines and facilities will be removed. All trash and debris will be removed from the site. Any disturbed areas will be regraded and grass areas will be reseeded. The concrete floor slab of Building 401 will be left broom cleaned. The site will be returned to its original condition.

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1.0 Watering/Maintenance

Any reseeded areas will be watered and maintained by USACE site personnel.

2.0 Final Acceptance

Upon completion of the site restoration, the USACE and Severson will conduct a final inspection. Any unsatisfactory work will be corrected by Severson.

4.4.10 SCHEDULE FOR FIELD WORK

Attached is a schedule of the major definable features of the project. Once the scope of work has been defined, noting which options are elected and a field start-up date is decided , Severson will re-submit a resource-loaded schedule of the definable features of work.

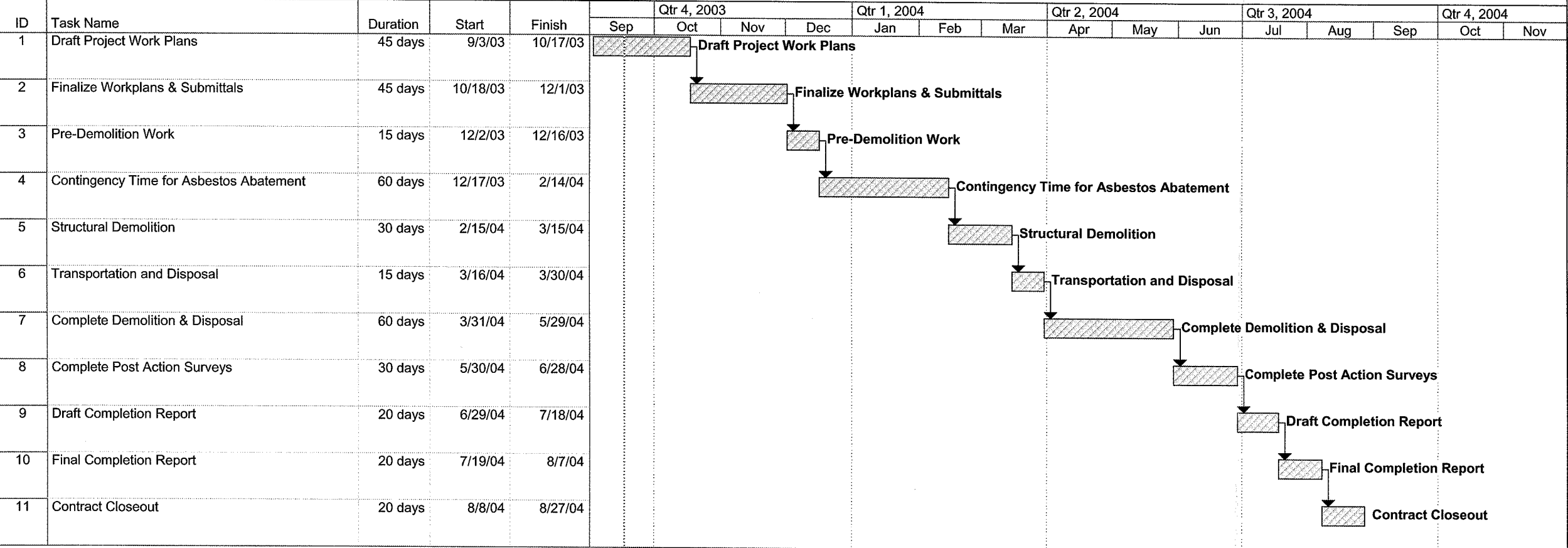
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4.4.11 DEMOBILIZATION

Upon completion of the asbestos abatement, Metro Contracting and Environmental, Inc. will remove all equipment, tools, trailers, and supporting material from the site prior to the demolition of Building 401. Upon completion of the demolition, removal, disposal, and post construction survey, Severson will begin demobilizing the site. All equipment, tools, trailers, toilets and supporting material will be removed from the site, and Severson will restore areas to pre-existing conditions as described in the Site Restoration Plan (Section 9.0).

Any area / facilities of the site damaged or disturbed during the performance of work activities shall be restored to USACE's satisfaction.

Proposed Building 401 Demolition Contract (DACW 49-03-R-0033)



Project: build-401
Date: 9/17/03

Task

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Milestone

Rolled Up Progress

Split

External Tasks

Project Summary

Group By Summary

Sevenson Environmental Services, Inc.
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