

**Demolition Waste Management and Recycling Plan  
Central Services Facility for  
Wisconsin Division of Facilities Development  
State Archive Preservation Facility Project  
Project #09H2L-02**

**I. Contact:**

Veit & Company, Inc.  
2445 S. 179 Street  
New Berlin, WI 53146

**II. Scope of Project:**

In general the work consists of demolition of the existing Central Services Building located at 201 South Dickinson Street, Madison, Wisconsin. Building demolition work includes asbestos abatement, fuel tank removal, complete removal of the approximately 180,000 GSF facility including all mechanical and electrical systems, and structure. The existing slabs-on-grade and foundations will remain for future removal. Phase One of site demolition includes only the removal of buried fuel tank(s) while the existing paving and existing site improvements shall remain for future removal. Site restoration includes site stabilization, erosion control and perimeter fence.

Phase Two of site demolition will involve the removal of slabs-on-grade, foundations, and asphalt pavement that will be left on site. Phase Two demolition will be conducted by the General Contractor (J.P. Cullen). The quantities of material removed during Phase Two will be included in the final demolition waste management report.

**III. Site Description and Description of Materials Anticipated to be Generated**

**A. Site Description**

The predominately two-story, basement less, structure is situated on approximately 5.1 acres of land. The commercial building complex, comprised of twelve joined buildings, was constructed between 1895 and 1942. The site slopes toward the Yahara River which is located to the east of the site. Ground cover consists primarily of asphalt pavement, with a limited green space along the south edge and the courtyard, located in the center of the property. The building(s) are constructed of brick, block, concrete and steel framing.

**B. Materials Anticipated to be Generated -- Commercial**

- Built-up roof
- Asphalt roof shingles
- Carpeting
- Concrete
- Bricks and concrete block (mostly painted)
- Structural dimensional lumber
- Painted Drywall
- Electrical components and wiring
- Plumbing fixtures and piping

- Stairways and railings
- Linoleum and other types of composite flooring
- Lighting fixtures
- Doors and hardware
- Glass windows
- HVAC systems
- Metals
- Steel beams
- Floor Tile
- Painted wood

C. Quantities Anticipated:

- C&D Waste = 2,291 tons
- Steel = 268 tons
- Concrete/Brick = 2,640 tons

D. Which materials will be targeted for reuse/recycling?

- Steel
- Concrete/brick
- Asphalt pavement (Phase Two)

E. Who Will Transport Materials from the Site?

- C&D Waste (trash)

Bullet Transport  
2170 Pinehurst Drive  
Middleton, WI 53562

- Steel

Fox Valley Recycling  
3446 Witzel Ave.  
Oshkosh, WI 54904

- Concrete/Brick

Bullet Transport  
2170 Pinehurst Drive  
Middleton, WI 53562

F. Where will the materials go when they leave the project site?

- Trash

Madison Prairie Land Fill  
6002 Nelson Rd.  
Sun Prairie, WI

- Steel

TBD by Fox Valley Recycling at time of removal from site

- Concrete/Brick

Yahara Materials  
6117 County Rd. K  
Waunakee, WI

#### **IV. Project Timing**

Demolition is expected to begin in September 2015 and be completed by November 2015.

#### **V. General Demolition and Recycling Plan**

The general demolition/recycling plan for this project incorporates waste reduction, removal and reuse of materials, salvage, and waste recycling as primary strategies.

Reuse, salvage and recycling will be the overall responsibility of the demolition contractor. The demolition contractor will make certain reusable and saleable items available to non-profit groups if, and as, time permits. Examples of these items include: sinks, lighting fixtures, desks, chairs, handrails, door hardware, etc. Other equipment, such as HVAC or electrical components, may be targeted for salvage during the demolition process.

Recycling and diversion of waste from landfills is a primary goal of this waste management plan. The demolition contractor will, at a minimum, target metal, uncontaminated wood, and uncontaminated concrete and cement-like materials for recycling. Other materials, such as asphalt shingles and brick, may be recycled if it is economically advantageous to do so. WasteCap Resource Solutions will assist the demolition contractor in finding markets for salvaged materials, if the contractor desires.

The demolition contractor, with assistance from WasteCap Resource Solutions, will be required to document all material taken from the project site and report at least monthly to the owner or general contractor. That report will contain a list of the materials taken from the site, the weight and volume of the material, the destination of the material. At the conclusion of the demolition phase of the State Archive Preservation Project, WasteCap Resource Solutions will issue a final report summarizing the results of these recycling efforts.

A recycling rate of at least 80 percent is expected for this project.

#### **VI. Materials-handling procedures**

All contractors and subcontractors involved in the demolition project will abide by the guidelines stated below. The goal is to minimize the environmental impact of the demolition and properly manage all waste materials.

##### **A. Hazardous Materials**

Asbestos abatement has begun and asbestos-containing materials will be removed. In addition, the properties are being inspected for any other hazardous materials including lead, mercury thermostats and fluorescent tubes. A local fluorescent tube recycler will recycle fluorescent tubes. If any mercury or other hazardous materials are found, they will be properly managed as hazardous waste.

#### B. Concrete, Brick, and Block

Concrete will be tested for lead bearing paint. If there is no lead based paint on the concrete, it will be recycled for aggregate. If there is lead bearing paint on the concrete, the material will be taken to a licensed solid waste landfill.

#### C. Scrap Metal

An effort will be made to recover and recycle as much scrap metal as possible from the buildings in the project area. Scrap metal includes furnaces and ductwork, plumbing pipe, electrical wiring, and steel structural members. There is concern however, that extensive recovery of metal from these buildings may not be possible due to safety concerns. Metal that is recovered will be placed in designated containers on the job site and hauled to a metal recycler for processing.

#### D. Trash

Trash will include all materials not removed by the deconstruction/salvage operation. It is expected that most of the wood, roofing, drywall, siding, doors, windows, etc. will become trash. Trash will be placed into dumpsters or directly into trucks and hauled to a licensed solid waste landfill.

#### E. Lamp and PCB Ballast Disposal

Veit shall very carefully remove all lamps from light fixtures before removal of fixtures from its mounted position. Veit will contact DFD representative to coordinate the storage and pickup of disposed lamps and PCB ballasts. Removed lamps and PCB ballasts shall be placed in containers by Veit, marked with the number and type of lamp and PCB ballast and placed in storage at a location on the property marked as Hazardous waste. Veit along with DFD representative shall make arrangements for pickup of the lamps and ballasts with DFD provider for proper disposal.

### **VII. Worker Education**

All workers on this site during the demolition phase of the State Archive Preservation Project will be educated about the goals of the recycling effort and instructed in the proper methods and procedures to use in carrying out this work safely and effectively.

### **VIII. Waste Auditing Procedures**

Contractors and subcontractors are responsible for daily site cleanup and ensuring that recycling containers are kept free of contamination. The demolition project manager, or its designee, will monitor performance to see that the recycling program is being properly carried out, and that contaminants are removed from recycling containers. The demolition contractor will be responsible for checks of trash and recycling loads to ensure they are free of contamination when they are removed from the site. Contractors or persons who contaminate recycling containers will be required to re-sort any misplaced waste and, if the problem continues, pay the cost to sort recyclables from the trash.

### **IX. Waste Reporting**

WasteCap Resource Solutions will collect waste, recycling, reuse and salvage data from the demolition contractor and enter the data into the WasteCap TRACE reporting system monthly throughout the demolition period. Waste RS will generate monthly waste management reports and submit them to DFD project management.

The final demolition waste report will be issued after Phases One and Two of demolition are complete.