

## II. SPILL PREVENTION CONTROL AND COUNTERMEASURE SECTION

### 1.0) INTRODUCTION

Allegheny College, a national liberal arts college, is located on 520 north Main Street in Meadville, PA. The campus contains approximately 30 buildings, used for administrative, educational, and maintenance purposes, is spread out over 259 acres. Due to on-campus operations, the college stores over 6,300 gallons of oil products aboveground that are subject to SPCC regulations and used as fuel for on-site machinery, stored in transformers, etc. The remainder of this plan discusses the SPCC's regulation and applicability, provides a site description, and details Allegheny College's spill prevention, control, and countermeasure procedures.

#### 1.1 Applicability

Under 40 CFR Part 112, facilities are required to prepare, maintain, and implement a Spill Prevention Control and Countermeasure (SPCC) Plan if oil could potentially be spilled into navigable waterways, and if any of the following thresholds are exceeded:

- 1.) 42,000 gallons of oil is stored underground
- 2.) 1,320 gallons of oil is stored aboveground

Since Allegheny College stores greater than 1,320 gallons of oil aboveground (See: Appendix 1.2), and there is potential for oil to be discharged to surface waters, Allegheny College is subject to 40 CFR Part 112. Provided in sections 3 and 4 of this part of the plan are the procedures that will be followed by Allegheny College to prevent and contain the release of oil.

#### 1.2) Site Description

Allegheny College has approximately 2,100 students and 430 employees, and offers about 30 different majors. With the several different majors, there are a variety of on-campus activities. Due to the different on-campus activities, several projects involving oil are used and stored within the college campus including:

- Diesel fuel for machinery
- Oil within transformers
- Hydraulic oil used in elevators
- Used motor oil from maintenance of campus vehicles
- Food grease from food service operations

Table 1 lists major storage areas, locations, and product types. Section 2 depicts the location of major storage areas.

### 2.0) OIL STORAGE AREAS

Allegheny College maintains several different oil products within aboveground storage tanks. Used motor oil is stored in 30-gallon drums, while waste food grease is maintained in 55-gallon drums. Hydraulic oil is used and stored in elevators, and Allegheny College utilizes 20 transformers, which are located throughout the campus. Each of the storage locations is summarized in Table 1 and below. The actual location of these storage areas can be found in Appendix 1.2.

All filling operations for the following equipment, are done in the presence of trained Physical Plant personnel.

### 2.1) Aboveground Storage Tanks

Allegheny College utilizes a 1000-gallon double-walled aboveground steel storage tank for the storage of diesel fuel and gasoline. The area located between the two primary tanks will be tested for contamination to verify that the exterior shell still serves as secondary containment. The aboveground storage tank is shown on Appendix 1.2. The outer wall of the tank serves as secondary containment for the two primary tanks located inside. As further protection, the tank is located on a cement pad and surrounded by a fence, which is locked at all times, with access only to those authorized. The tank is located in a low traffic area. For loading/unloading purposes, the pumps are equipped with an overflow prevention device that shuts off and prevents an overflow or spill. All deliveries will be made by CDL certified drivers with HAZMAT certification. Because of secondary containment and the inspection program, major spills are not expected. Minor spills during filling operations should be confined to the concrete pad or surrounding gravel bed for easy cleanup. In addition, a 55-gallon spill clean-up drum is located near the storage tank for clean-up purposes. There is also a 52 gallon portable drum utilized for the transfer of oil for stationary equipment. The aboveground storage tank will be inspected on a monthly basis to ensure the validity of the primary containment tanks. Documentation of these inspections will be reviewed by the Health & Safety Committee and can be found as part of the Preventative Maintenance Plan.

### 2.2) Drum Storage Locations

Allegheny College utilizes a total of 7 drums for the containment of waste oil products. Two drums are 30-gallon drums that contain Waste Used Motor Oil. There are a total of Five 55 gallon drums for the storage of waste food oil. All drums are supplied with the appropriate secondary containment. Waste food oil drums stored outdoors are kept in secure, lockable enclosures with secondary containment. Drums that are kept indoors are situated on secondary containment pallets and are not accessible to unauthorized personnel. Small spill kits are located in all areas that contain any waste oil drum storage. All drums storage areas are inspected on a monthly basis. Documentation of these inspections will be reviewed by the Health & Safety Committee and can be found as part of the Preventative Maintenance Plan.

### 2.3) Transformers

Allegheny College has 20 transformers located throughout the campus. Each transformer contains mineral oil, which range in capacity from 68 gallons to 680 gallons. As transformer oil is recirculated for cooling, none is consumed, therefore filling operations for transformer oil are not necessary. For these transformers, Allegheny College has provided pits with open graded stone to retain spills. The purpose of these pits is to retain a spill, thereby preventing oil from reaching stormwater drains. If contaminated, the soil will then be removed. For some of the transformers, topographical features and distances to drains also provide secondary containment. Secondary containment is not required for transformers without containment as equivalent environmental protection is provided as discussed below:

- These transformers are in good operating condition and not expected to release or leak during normal operation. (All transformers were updated in 1997, therefore no transformers contain PCBs)
- As stated above, secondary containment is provided by topographical features, such as the slope of the area that would contain, or at least slow the migration of a spill to allow appropriate response to prevent the release from reaching a surface water.
- Transformers located in higher risk areas with no topographical controls (high vehicular traffic, near catch basin that discharges to storm water) have spill containment and control materials staged in the immediate area to contain potential

releases. Walls and other types of protection have been placed around transformers near vehicular traffic.

- Should a slow leak develop, it would show up on the pad on which the transformer is mounted and be discovered and mitigated during the monthly inspections of transformers that occur as part of the preventative maintenance program.
- Should a sudden failure occur, the transformer will immediately cease working and power will be lost, therefore the leak will be discovered quickly and appropriately cleaned up.
- There is no evidence to date of any past releases to surface waters from the transformers

#### 2.4 Elevators

Allegheny College utilizes a total of 11 elevators, which are located throughout the campus. Nine of the elevators contain hydraulic oil, which range in capacity from 50 to 135 gallons (See Table 1). A designated certified contractor performs elevator maintenance. Whenever hydraulic lines are drained or oil is added to the elevator oil reservoirs, Physical Plant personnel shall supervise these operations. Hydraulic oil for elevators is stored in separate room contiguous to the shaft. Diversionary barriers, dikes, absorbent materials, or similar are in place between elevator hydraulic oil tanks and any nearby floor drains, all of which are located indoors, and none of which connect to the storm sewer system.

Allegheny College Physical Plant personnel oversee all filling operations at transformers, elevators, and ASTs. Employees must monitor operations to prevent overfilling and minimize any releases.

### 3.0) RESPONSIBILITIES, ACTIONS, NOTIFICATIONS, AND REPORTING

#### 3.1) Responsibilities

The Allegheny College Physical Plant staff shall be responsible to carry out the procedures outlined herein.

#### 3.2) Actions (Spill Notification Procedure Sign Appendix 6)

1.) Any college employee or student noticing a release of oil, will immediately notify the Safety & Security Dispatcher by dialing 332-3357. The Safety & Security Dispatcher will collect the following information:

- 1.) What material was spilled?
- 2.) Is a fire involved?
- 3.) Extent of injuries, if any?
- 4.) Where was material spilled?
- 5.) Is the spill contained or on what surface ( grass, concrete, asphalt, etc.) did spill occur?
- 6.) What is the approximate surface area (sq ft) of the spill?
- 7.) Is the spilled material flowing off-site?
- 8.) How much material was spilled?
- 9.) What time was spill discovered?

A Spill Notification Sign is placed at all potential high hazard areas. These signs were created to help provide as much information as possible as to the severity of the spill and the proper response.

- 2.) The Safety & Security Dispatcher will then contact the Director of Safety & Security, who will contact all necessary emergency coordinators from that point.
  - 3.) All emergency coordinators will take appropriate actions based upon their responsibilities listed in the PPC section of this plan.
  - 4.) While awaiting actions decided by emergency coordinators, physical plant personnel shall immediately begin the containment process.
  - 5.) All contained material shall be removed immediately and placed into proper containers.
  - 6.) In the event that the spill is beyond the means of available manpower or materials available, an outside emergency response contractor shall be utilized.
- 3.3) Notification of a Reportable Spill  
See Appendix 4.

#### **4.0) Emergency Procedures**

All emergency spills shall be reported in the same manner, with emergency coordinators taking appropriate actions as to the severity of the spill. Evacuation procedures can be found in Appendix 2.

#### **5.0) Past Spill Experience**

According to the Environmental Compliance Coordinator, Richard Sandieson, Allegheny College has not experienced any known reportable spills over the last 20 years. There are no records of a reportable spill in the Department of Environmental Protection's system

#### **6.0) Potential Spill Prediction and Control**

Table 2 describes the potential type of failure(s), estimated amount of material which may be released, the probable flow directions of a spill, should one occur, and the existing secondary containment facility for each area of concern.

#### **7.0) Preventative Measures**

Allegheny College maintains Preventative Maintenance Program managed by a software database located in the Physical Plant Offices, which identifies the following:

- 1.) Identification of equipment and systems to which the program applies
- 2.) Periodic inspections of equipment
- 3.) Periodic testing of equipment
- 4.) Appropriate adjustment, repair, or replacement of parts, and
- 5.) Complete recordkeeping of all preventative maintenance activities, test, repairs, adjustments, etc.

The Physical Plant personnel are responsible for the Preventative Maintenance Program. Specific activities to perform for each inspection is part of inspection procedures, which can be found in Preventative Maintenance Program.

#### **8.0) Spill Abatement Equipment and Materials**

Due to the variety of practices throughout the campus, there are a variety of hazards that may occur. Allegheny College is aware of these hazards, and has provided all appropriate emergency equipment. Some of the equipment is located throughout the campus, such as fire extinguishers,

first aid supplies, and emergency lighting. The absorbent pads and spill kits are placed strategically across campus, for example, they are located by all waste oil drum storage, aboveground storage tank, and any other high concern areas. The following is a list of available equipment located at Allegheny College:

- Absorbent pads and rolls
- Portable spill kit
- Brooms, shovels, mops
- Fans
- Emergency lighting
- First aid supplies
- Personal Protective Equipment
- Tools
- Fire extinguishers
- Pumps

Additional equipment will become available upon any changes in hazard identification.

### **9.0) Security**

Prevention of unknown entry and access to Allegheny College is accomplished by several methods such as:

- All buildings are locked after normal operating hours
- All transformers and aboveground tanks are locked and accessible only to designated personnel
- Elevator mechanical rooms are locked at all times. Only authorized personnel have access to the keys.
- Waste motor oil drums are kept in doors, and will be locked after normal operating hours.
- Waste food oils are contained on spill pallets located inside of big blue bins, which protect the container from the weather. There are no locks for these bins due to the need for constant access.
- The campus has sufficient lighting to promote adequate security
- Allegheny Campus Security patrols the campus 24 hours a day, 7 days a week

### **10.0) Training**

Allegheny College is responsible for properly training, at a minimum, oil-handling personnel on the following subjects:

- The operation and maintenance of equipment to prevent oil discharge
- Oil discharge procedure protocols
- Applicable pollution control laws, rules, and regulations
- The contents of this plan

This training should be done initially upon job assignment. In addition Allegheny College will schedule and conduct spill prevention briefing on at least an annual basis to assure on-site personnel have an adequate understanding of the PPC/SPCC Plan for the college (See Appendix 8). Such briefings will highlight and describe known spill events and failures, malfunctioning components, and recently developed precautionary measures. The Health & Safety Committee, under the supervision of the Environmental Compliance Coordinator, will be responsible for coordinating these responsibilities.

**TABLE 1**  
**OIL STORAGE AREAS**  
**ALLEGHENY COLLEGE**  
**MEADVILLE, PA**

| <b>Area<br/>(See App 2)</b> | <b>Identification<br/>/Storage Unit</b> | <b>Product</b> | <b>Quantity<br/>(Gallons)</b> | <b>Storage<br/>Container Type</b> |
|-----------------------------|---|----------------|-------------------------------|-----------------------------------|
| <b>Transformers</b>         |   |                |                               |                                   |
| Carnegie                    | E11-3810<br>Transformer                 | Mineral Oil    | 123 gal                       | Pad Mounted                       |
| Red House                   | E11-3811<br>Transformer                 | Mineral Oil    | 68 gal                        | Pad Mounted                       |
| Science Bldg<br>(Main)      | E11-3812<br>Transformer                 | Mineral Oil    | 680 gal                       | Pad Mounted                       |
| Science Bldg                | E11-3813<br>Transformer                 | Mineral Oil    | 394 gal                       | Pad Mounted                       |
| Quigley                     | E11-3814<br>Transformer                 | Mineral Oil    | 269 gal                       | Pad Mounted                       |
| Baldwin                     | E11-3815<br>Transformer                 | Mineral Oil    | 331 gal                       | Pad Mounted                       |
| Arter                       | E11-3816<br>Transformer                 | Mineral Oil    | 269 gal                       | Pad Mounted                       |
| Reis                        | E11-3817<br>Transformer                 | Mineral Oil    | 133 gal                       | Pad Mounted                       |
| Chapel                      | E11-3818<br>Transformer                 | Mineral Oil    | 68 gal                        | Pad Mounted                       |
| College Court               | E11-3819<br>Transformer                 | Mineral Oil    | 162 gal                       | Pad Mounted                       |
| Pelletier                   | E11-3820<br>Transformer                 | Mineral Oil    | 343 gal                       | Pad Mounted                       |
| Murray                      | E11-3821<br>Transformer                 | Mineral Oil    | 132 gal                       | Pad Mounted                       |
| Tippie                      | E11-3822<br>Transformer                 | Mineral Oil    | 215 gal                       | Pad Mounted                       |
| Cafflish                    | E11-3823<br>Transformer                 | Mineral Oil    | 123 gal                       | Pad Mounted                       |
| Campus Center               | E11-3824<br>Transformer                 | Mineral Oil    | 346 gal                       | Pad Mounted                       |
| Wise Center                 | E11-3825<br>Transformer                 | Mineral Oil    | 349 gal                       | Pad Mounted                       |
| Edwards                     | E11-3826<br>Transformer                 | Mineral Oil    | 133 gal                       | Pad Mounted                       |
| Robertson                   | E11-3827<br>Transformer                 | Mineral Oil    | 200 gal                       | Pad Mounted                       |
| Robertson                   | E11-3828<br>Transformer                 | Mineral Oil    | 45 gal                        | Pad Mounted                       |
| Robertson                   | E11-3829<br>Transformer                 | Mineral Oil    | 25 gal                        | Pad Mounted                       |
| Robertson                   | E11-3830<br>Transformer                 | Mineral Oil    | 25 gal                        | Pad Mounted                       |

**TABLE 1**  
**OIL STORAGE AREAS**  
**ALLEGHENY COLLEGE**  
**MEADVILLE, PA**

| <b>Area<br/>(See App 2)</b>          | <b>Identification<br/>/Storage Unit</b> | <b>Product</b>       | <b>Quantity<br/>(Gallons)</b> | <b>Storage<br/>Container Type</b>    |
|--------------------------------------|---|----------------------|-------------------------------|--------------------------------------|
| <b>Elevators</b>                     |   |                      |                               |                                      |
| Campus Center                        | ID# 016<br>Elevator                     | Hydraulic Oil        | 85 Gal                        | Steel container<br>adjacent to shaft |
| Campus Center                        | ID# 017<br>Elevator                     | Hydraulic Oil        | 85 Gal                        | Steel container<br>adjacent to shaft |
| Carnegie                             | ID# 011<br>Elevator                     | Hydraulic Oil        | 80 gal                        | Steel container<br>adjacent to shaft |
| Carr                                 | ID# 014<br>Elevator                     | Hydraulic Oil        | 50 gal                        | Steel container<br>adjacent to shaft |
| Library                              | ID# 009<br>Elevator                     | Hydraulic Oil        | 110 gal                       | Steel container<br>adjacent to shaft |
| Schultz                              | ID# 004<br>Elevator                     | Hydraulic Oil        | 50 gal                        | Steel container<br>adjacent to shaft |
| Science Hall                         | ID# 010<br>Elevator                     | Hydraulic Oil        | 135 gal                       | Steel container<br>adjacent to shaft |
| Wise                                 | ID# 015<br>Elevator                     | Hydraulic Oil        | 85 gal                        | Steel container<br>adjacent to shaft |
| Cochran                              | ID# 001                                 | Hydraulic Oil        | 151 gal                       | Steel container<br>adjacent to shaft |
| <b>Aboveground<br/>Storage Tanks</b> |   |                      |                               |                                      |
| Robertson<br>(Outside)               | T1.1                                    | Diesel Fuel          | 500 gal                       | Contained within<br>Primary tank     |
|                                      | T1.2                                    | Gasoline             | 500 gal                       | Contained within<br>Primary tank     |
| <b>Drums-55<br/>Gallons</b>          |   |                      |                               |                                      |
| Brooks                               | D1                                      | Waste Food Oil       | 55 gal                        | Steel Drum<br>Outside Storage        |
| Brooks                               | D2                                      | Waste Food Oil       | 55 gal                        | Steel Drum<br>Outside Storage        |
| Campus Center                        | D3                                      | Waste Food Oil       | 55 gal                        | Steel Drum<br>Outside Storage        |
| Campus Center                        | D4                                      | Waste Food Oil       | 55 gal                        | Steel Drum<br>Outside Storage        |
| Schultz                              | D5                                      | Waste Food Oil       | 55 gal                        | Steel Drum                           |
| Physical Plant                       | D6                                      | Waste Used Motor Oil | 30 gal                        | Polyethylene Drum                    |
| Robertson Field                      | D7                                      | Waste Used Motor Oil | 30 gal                        | Polyethylene Drum                    |

**TABLE 2  
POTENTIAL SPILL PREDICTION AND CONTROL**

**ALLEGHENY COLLEGE  
MEADVILLE, PA**

| Source                         | Total Volume/Mat.      | Major Type of Failure   | Volume Spilled  | Direction of Flow   | Secondary Containment |
|--------------------------------|------------------------|---|-----------------|---|-----------------------|
| E11-3810<br>Carnegie           | 123 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>123 | Into gravel basin   | None                  |
| E11-3811<br>Red House          | 68 gal<br>Mineral oil  | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>68  | Into soil, no drains within reachable distance of stored amount of oil            | None                  |
| E11-3812<br>Science (Main)     | 680 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>680 | Surrounded on three sides by walls. Flow out in front of the unit to gravel basin | None                  |
| E11-3813<br>Science (Building) | 394 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>394 | Surrounded by diking to keep any spillage directly underneath unit                | None                  |
| E11-3814<br>Quigley            | 269 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>269 | Into soil, no drains within reachable distance of stored amount of oil (100')     | None                  |
| E11-3815<br>Baldwin            | 331 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>331 | Flow directly to gravel basin, filter into soil                                   | None                  |
| E11-3816<br>Arter              | 269 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>269 | Into soil, no drains within reachable distance of stored amount of oil (75')      | None                  |
| E11-3817<br>Reis               | 133 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>133 | Flow towards gravel basin, filter into soil                                       | None                  |
| E11-3818<br>Chapel             | 68 gal<br>Mineral oil  | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>68  | Will flow into somewhat of catch basin underneath transformer                     | None                  |
| E11-3819<br>College Court      | 162 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>162 | Flow into gravel basin, filter into soil  | None                  |
| E11-3820<br>Pelletier          | 343 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>343 | Into soil, no drains within reachable distance of stored amount of oil            | None                  |
| E11-3821<br>Murray             | 132 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>132 | Flow directly to gravel basin, filter into soil                                   | None                  |
| E11-3822<br>Tippie             | 215 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>215 | Flow directly towards gravel basin, filter into soil                              | None                  |
| E11-3823<br>Cafflish           | 123 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>123 | Into soil, no drains within reachable distance of stored amount of oil            | None                  |
| E11-3824<br>Campus Center      | 346 gal<br>Mineral oil | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>346 | Into soil, no drains within reachable distance of stored amount of oil            | None                  |

ALLEGHENY COLLEGE – PPC / SPCC PLAN  
TABLE 2

**POTENTIAL SPILL PREDICTION AND CONTROL**

**ALLEGHENY COLLEGE  
MEADVILLE, PA**

| Source                               | Total Volume/Mat.        | Major Type of Failure   | Volume Spilled  | Direction of Flow   | Secondary Containment                   |
|--------------------------------------|--------------------------|---|-----------------|---|---|
| E11-3825<br>Wise                     | 349 gal<br>Mineral oil   | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>349 | Flow directly to gravel<br>basin, filter into soil                              | None                                    |
| E11-3826<br>Edwards                  | 133 gal<br>Mineral oil   | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>133 | Flow towards gravel<br>basin, filter into soil                                  | None                                    |
| E11-3827<br>Robertson                | 200 gal<br>Mineral oil   | Spill during transfer<br>Leak during operation<br>Container failure | 50<br>10<br>200 | Unit near gate – flow<br>towards fields, no drains<br>within reachable distance | None                                    |
| E11-3828<br>Robertson                | 45 gal<br>Mineral oil    | Spill during transfer<br>Leak during operation<br>Container failure | 45<br>10<br>45  | Unit near baseball field,<br>no drains within reachable<br>distance             | None                                    |
| E11-3829<br>Robertson                | 25 gal<br>Mineral oil    | Spill during transfer<br>Leak during operation<br>Container failure | 25<br>10<br>25  | Unit near compost barn,<br>no drains within reachable<br>distance               | None                                    |
| E11-3830<br>Robertson                | 25 gal<br>Mineral oil    | Spill during transfer<br>Leak during operation<br>Container failure | 25<br>10<br>25  | Unit near tennis courts, no<br>drains within reachable<br>distance              | None                                    |
| ID# 016<br>Campus<br>Center          | 85 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 85<br>8         |   | None                                    |
| ID# 017<br>Campus<br>Center          | 85 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 85<br>8         |   | None                                    |
| ID# 011<br>Carnegie                  | 80 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 80<br>8         |   | None                                    |
| ID# 014<br>Carr                      | 50 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 50<br>5         |   | None                                    |
| ID# 009<br>Library                   | 110 gal<br>hydraulic oil | Pump failure<br>Spill during oil transfer                           | 110<br>11       |   | None                                    |
| ID# 004<br>Shultz                    | 50 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 50<br>5         |   | None                                    |
| ID# 010<br>Science Hall              | 135 gal<br>hydraulic oil | Pump failure<br>Spill during oil transfer                           | 135<br>13       |   | None                                    |
| ID# 015<br>Wise                      | 85 gal<br>hydraulic oil  | Pump failure<br>Spill during oil transfer                           | 85<br>8         |   | None                                    |
| ID# 001<br>Cochran                   | 151 gal<br>hydraulic oil | Pump failure<br>Spill during oil transfer                           | 151<br>15       |   | None                                    |
| <b>Aboveground<br/>Storage Tanks</b> |                          |   |                 |   |   |
| T1.1<br>Robertson                    | 500 gal<br>diesel fuel   |   |                 | Flow into rocks   | Outer shell of<br>double walled<br>tank |
| T1.2<br>Robertson                    | 500 gal<br>gasoline      |   |                 | Flow into rocks   | Outer shell of<br>double walled<br>tank |

**TABLE 2**  
**POTENTIAL SPILL PREDICTION AND CONTROL**  
**ALLEGHENY COLLEGE**  
**MEADVILLE, PA**

| <b>Drums-55 Gallons</b> |    |                      |        |    |                          |
|-------------------------|----|----------------------|--------|----|--------------------------|
| Brooks                  | D1 | Waste Food Oil       | 55 gal | NA | Spill containment pallet |
| Brooks                  | D2 | Waste Food Oil       | 55 gal | NA | Spill containment pallet |
| Campus Center           | D3 | Waste Food Oil       | 55 gal | NA | Spill containment pallet |
| Campus Center           | D4 | Waste Food Oil       | 55 gal | NA | Spill containment pallet |
| Schultz                 | D5 | Waste Food Oil       | 55 gal | NA | Spill containment pallet |
| Physical Plant          | D6 | Waste Used Motor Oil | 30 gal | NA | Spill containment pallet |
| Robertson Field         | D7 | Waste Used Motor Oil | 30 gal | NA | Spill containment pallet |

