

## 6 CLOSURE PLAN

### Introduction

Final closure of the proposed PCC HCM Facility will consist of the following activities:

1. Removing any remaining HCM from the facility;
2. Cleaning the HCM operations building interior and covered outdoor storage area and equipment;
3. Removal of all equipment for salvaging, reuse or disposal, and any wash water for proper disposal; and
4. Preparation and submittal of closure documentation to the IEPA.

It is the intent of the planned closure activities to achieve the following closure performance standards:

1. Minimize the need for further maintenance, and
2. Eliminate post-closure release of waste, waste constituents, leachate, contaminated rainfall, or waste decomposition products by removing all wastes and waste residues.

PCCLI will notify the IEPA, and will initiate closure activities within 30 days after receiving the final volume of waste. The building will be secured and signs will be posted which indicate that the proposed HCM Facility is closed and is no longer accepting HCM. The total time for closure will be no more than 180 days.

### HCM Removal

All HCM will have been removed from the site before routine closure activities are begun unless changes in shipping schedules delay the removal. During routine operation, HCM will be removed from the facility on an as-needed basis. However, in the case of premature closure, a maximum storage of 12,060 gallons of liquids in containers and tanks (e.g. 192 drums, one 1000 gallon aboveground tank and one 500 gallon above ground tank) plus 25 tons of solid wastes (e.g. electronics, batteries, fluorescents, gas cylinders, etc.) could theoretically remain within the HCM Facility. HCM remaining in storage after commencement of closure will be handled and stored according to all procedures outlined in this Application until they are removed.

Waste materials (i.e. wash water) resulting from facility cleaning will be contained, characterized and properly disposed.

### Equipment Cleaning

All equipment and tools that were used to handle HCM, above-ground tanks used to store HCM, the interior of the underground holding tank, containment pallets, reusable containers that were used to store HCM, and the concrete slab within the HCM handling and storage areas will be pressure washed with hot water and detergent, and rinsed with clean water. The wash water will be containerized, properly characterized, and appropriately disposed.



## **Equipment Removal**

After the PCC HCM Facility has been cleaned, all on-site equipment, tanks (above and underground), containers, etc. will be removed for beneficial reuse, resale, or disposal.

## **Closure Certification**

All closure activities will be conducted under the review of an independent licensed Professional Engineer (P.E.). The P.E. will inspect the facility following completion of the cleaning and equipment removal activities to confirm that the closure performance standards have been met.

PCCLI will submit a closure certification request or, in the event of temporary closure, a supplemental permit application to request temporary closure status upon completion of the closure activities. The certification request or supplemental permit application will document that all closure standards have been met and will be signed by representatives of the facility owner, facility operator, and independent P.E.

## **Post-Closure Care**

All waste materials and residues will be removed from the facility upon closure. Subsequent to closure, the Facility would be suitable for conversion into another beneficial commercial or industrial use. As such, no post-closure care activities will be necessary.

## **Cost Estimate**

The closure cost is estimated at \$50,600, as shown in Table 6-1. This estimate includes removal and disposal of the maximum inventory of HCM; building and equipment cleaning; removal and disposal of wash water; removal of equipment, tanks and containers; and P.E. review and closure certification. As previously stated, under routine closure conditions, no HCM would be required to be removed from the Facility.



**TABLE 6-1. PREMATURE CLOSURE COST ESTIMATE**

<b>Activity</b>	<b>Quantity</b>	<b>Unit Cost</b>	<b>Actual Cost</b>
HCM Removal (assuming max. inventory) Liquids Solid Waste	12,060 gallons 25 tons	\$2.50/gallon \$ 40/ton	\$ 30,150 \$ 1,000
Equipment Cleaning	16 hours	\$ 100/hour	\$ 1,600
Building Cleaning	16 hours	\$ 100/hour	\$ 1,600
Wash Water Removal	5,000 gallons	\$ 0.35/gallon	\$ 1,750
Equipment, Tanks and Container Removals	1 lump sum	\$ 8,000	\$ 8,000
P.E. Review and Certification of Closure	1 lump sum	\$6,500	\$ 6,500
<b>TOTAL</b>			<b>\$ 50,600</b>

