SOLID WASTE MINOR REVISION NARRATIVE
PERMIT #S-021993-WH-A-N

Pine Tree Waste Waterville Transfer Facility
3 Lafluer Road, Waterville, Maine

February 2010

Facility Overview

The Pine Tree Waste, Inc. (PTW) Waterville Facility is used for the transfer of municipal solid waste (MSW), construction and demolition debris (CDD) and single stream recyclables from local residential and commercial sources to offsite disposal and processing facilities. There is also a vehicle maintenance building at the site and an asphalt pad where limited vehicle washing is undertaken. The facility is permitted by the Maine Department of Environmental Protection (MEDEP) under Solid Waste License #S-021993-WH-A-N.

The CDD tipping pad is located to the north of the scale, at the center of the site. Materials are unloaded onto the pad, sorted, and loaded into a trailer parked on the lower side of the wall for disposal off-site. The CDD tipping pad area drains to a catch basin at the eastern edge of the concrete pad. The catch basin is connected to a piped gravity and force main sewer system that discharges to the Waterville sanitary sewer system.

Immediately to the west of the CDD tipping pad is the MSW Transfer Building. Incoming MSW enters at the upper level and is sorted on the indoor tipping floor before being loaded into the transfer trailer for off-site disposal. The lower level loading bay is equipped with a floor drain that collects excess liquids from the MSW. The floor drain is tributary to the municipal sanitary sewer system. A truck parking and container storage area is located to the west of the MSW Transfer Building.

This application reflects Pine Tree Waste, Inc. as the owner/operator of the Waterville facility. Based on prior discussions with MEDEP, a merger between two corporations (Sawyer Environmental Services, Inc. and Pine Tree Waste, Inc.) under the same parent company (Casella Waste Management, Inc.) would only require a name change on the next permit modification/revision in lieu of preparing a formal *License Transfer Application for Solid Waste Facility.* Documentation of Pine Tree Waste, Inc. ownership of the facility (Articles of Merger) is attached to this Minor Revision (Exhibit F). A Certificate of Good Standing is also attached (Exhibit G).

Proposed Minor Revision

On September 1, 2009, representatives from Summit Environmental Consultants, Inc./Walsh Engineering Associates (Summit/WEA) and Pine Tree Inc., attended a pre-application meeting with Aaron Dumont and James Glasgow of MEDEP. At this meeting, it was decided that the proposed changes to the facility constitute a Minor Revision to the existing Solid Waste Permit for the facility. Four specific issues were identified at the pre-application meeting that required supporting information to the Minor Revision application: Traffic

Movement, Scenic Character, Erosion Control/Stormwater Quality and Odor Control. Each of these items is addressed in this submittal.

A new single stream recycling transfer area is proposed on the westerly side of the existing transfer station. The tipping area will be located at the upper elevation of the transfer facility. Transport trailers will be staged on a trailer pad located below the tipping area. Recycling trucks will pull to the edge of the tipping area and transfer the single stream recycling materials directly into the transport trailers. The area will be graded to shed water to a new catch basin that discharges the surface water through a stormwater pretreatment tank and into an Underdrain Soil Filter (USF).

Additionally, three new gravel pads will be constructed to store empty solid waste and empty CDD containers. Stormwater from the pads will be directed to a USF (one USF for each container storage pad) to be filtered through soil media before discharging into the downstream receiving waters.

Traffic Control

A Traffic Assessment was completed by William Bray, P.E. (attached as Exhibit B). This assessment concluded that the proposed site enhancements are not anticipated to increase on or off-site generated traffic. The Traffic Assessment further concludes that trips generated by the Pine Tree facility comprise a very insignificant percentage (less than 0.5 percent) of the total entering volume at the Route 11/Airport Road intersection. Additionally, according to Maine Department of Transportation (MDOT) records, only two accidents were been reported at this intersection between 2006 and 2008. The resulting a Critical Rate Factor of 0.24 as determined by MDOT is significantly less than the "high crash location" factor of 1.0.

Scenic Character

The site is located in the General Industrial zone and is abutted by the municipal airport toward the east and the "Airport Industrial" zone to the north and west. The solid waste license describes the existing Pine Tree facility as "fitting harmoniously into the natural environment". The transfer building and other facility features are located at least 250 feet from the project's property lines. The closest structure to the facility is the Telford Aviation terminal building located 400 feet southeast of the facility. There are no residences within 500 feet of the facility. There is an existing buffer of dense mixed woods on three sides of the facility, with the fourth side landscaped with softwoods. There is no record of any rare features on the property according to the Maine Natural Areas Program, and there are no essential or significant wildlife habitat associated with the property.

This site and the abutting properties are not identified as scenic and natural areas. The proposed site improvements will not alter the existing scenic character of the facility, and will allow the facility to continue to fit harmoniously into the natural environment. The existing vegetated buffers will be maintained along the easterly boundary to lessen visual impacts. The required buffer is 250 feet, and the proposed site improvements meet this required setback.

Soil Erosion and Sedimentation Control

The Erosion and Sediment Control Plan Report for the proposed improvements to the Pine Tree Waste Facility are included as Exhibit D. This report outlines the products, installation and maintenance of erosion control measures. Soil erosion controls will be consistent with the Best Management Practices (BMPs) as stipulated by the MEDEP.

Stormwater Management

The Stormwater Management Plan Report for the proposed improvements to the Pine Tree Waste Facility is included as Exhibit C. The impact on stormwater flow from the proposed site improvements has been calculated and stormwater BMPs have been designed to meet state requirements for stormwater management. Stormwater management will be consistent appropriate BMPs as stipulated by the MEDEP. A revised Storm Water Pollution Prevention Plan (SWPPP) draft incorporating the proposed facility improvements and new BMPs has been prepared and will be implemented upon completion of construction.

Periodic vehicle and container washing at the facility occurs on the paved washdown pad located north of the Transfer Building. Presently, the runoff from the wash down area is discharged into the existing sanitary sewer system; however, the limited use of the area as a washpad results in a significant amount of clean stormwater runoff entering the sanitary sewer system. The proposed site improvements will re-grade the concrete pad and create a small swale to permit clean runoff from this pad to be discharged as surface drainage. As a Best Management Practice (BMP), a solid cover will normally be in place on the catch basin structure located near the southwest corner of the pad, allowing clean runoff to surface drain. However, during wash events a grated top will be installed on the structure and the runoff directed to the structure (and the sanitary sewer) by the use of a temporary diversion boom across the swale outlet. By employing these operations, a significant amount of runoff water can be diverted around the catch basin, thus reducing overall Site discharges to the sanitary sewer system. This BMP will be incorporated into the revised SWPPP for the facility.

Vector, Litter and Odor Control

The Vector, Litter and Odor Control Plan for the facility has been revised to address the proposed site improvements. A copy of this plan, including area specific activities/actions is included as Exhibit E.