CITY OF AUSTIN
HORNSBY BEND BIOSOLIDS COMPOSTING

MAINTENANCE & OPERATIONS PLAN

A. General Project Description

Synagro of Texas-CDR, Inc. (Synagro), a subsidiary of Synagro South, LLC, intends to operate the biosolids composting facility at the City of Austin's Hornsby Bend Biosolids Management Plant. The facility utilizes the standard aerated windrow method of biosolids composting and utilizes bulking agents (carbon sources) to mix with the biosolids such as yard debris and ground, clean wood wastes. These products are blended together and windrow composted to produce a soil conditioner or low grade fertilizer for agricultural, horticulture, silviculture and domestic uses. The finished compost is sold in bulk and may be sold in bags for beneficial use. Each bulking agent source is monitored for inorganic (non-compostable) materials. Additionally, all biosolids beneficially used at the composting facility are tested for both metal and agronomic constituents as described herein.

The finished compost products are tested to ensure quality and stability of the materials. During the composting process, monitoring of windrow temperature is conducted to ensure pathogen and vector attraction reduction in accordance with 40 CFR 503 regulations, TCEQ regulations and the applicable Hornsby Bend facility permits.

Process elements for the composting operation consist of initial mixing and formation of the windrows, turning of the compost piles during the active composting cycle, monitoring and logging temperature data for each windrow, and the monitoring and distribution of finished product.

Each bulking agent load is transported to the composting facility from the producer (e.g. green waste receiving and processing facility or grinding operation) using tractor/trailer rigs. The bulking agents are placed on the bulking agent storage area and blended with biosolids as needed, forming windrows. Recycled compost is also used as bulking agents. After the mixture is bulked to approximately 30 to 40 percent solids, the material is formed into windrows for composting. The composting process is a windrow process with mechanical mixing equipment for turning. The complete composting process is performed in approximately 3 to 4 weeks the finished compost is stored in a designated area on-site until sale or distribution. Quality control testing is performed to ensure the compost meets the pathogen reduction, vector attraction reduction, and metals requirements associated with the final use of the product in accordance with 40 CFR 503 regulations. Water is available at the site and is used for dust control and moisture conditioning of the compost as needed.

The composted product is marketed by Synagro's Product Sales staff and is transported from the site to customers using tractor/trailer rigs.

B. Ownership and Responsible Parties

Personnel associated with the composting site have extensive experience in bulking agent and biosolids handling, dewatering and composting operations, as well as regulatory requirements, marketing and distribution of composted products.