Installation of Free Issued Equipment – Sustainable Generation Supplied to City

The Contractor shall be responsible for the installation of equipment to be free issued by the City for the bunker aeration and control systems as per **Attachment 8** – Composting Equipment Responsibility Matrix.

In general the scope consists of:

Receiving free issued equipment and handover sign-off.

Take care and control of the free issued equipment and be responsible for the safe storage of the equipment until installation.

Install the equipment as per the manufacture's instructions. The Contractor is to provide all labour and equipment required to perform the installations.

Test the equipment for each bunker as per SG Mobile Functional Test Checklist. A representative from Sustainable Generation must be present for all functional testing.

Power Winding Machine (Cover Winder). Power Winder Container is not to be unloaded without Sustainable Generation of Representative on site. Manufacturer will send team to assemble, startup, and commission the machine. Contractor responsibilities are in the attached Preparation of Winder Commissioning document supplied by SG. Contractor shall be responsible to provide the crane and operator and all equipment listed. Contractor shall also be responsible to provide the required fluids for the Cover Winder

The final commissioning and testing criteria are as follows:

COMPONENT	DESCRIPTION OF FUNCTION
Blower	Blower spins in direction of arrow
Compost Control System Network	Blower functions based on software command
E-Stop	Engage E-stop to interrupt blower function
LED	When PCU is powered, LED will emit green. LED will emit red when E-stop is engaged
Temperature Probe	When PCU is powered, Temperature Probe will report 5 separate readings to software interface
Oxygen Probe	When PCU is powered, Oxygen Probe will report O2 readings to software interface. A reading of near 20.7 is normal for atmosphere once sensor calibrates on ambient air
Water Trap	Water trap full of water to create back pressure. Internal trap piping in place

Trenching	When blower is on, air pressure is present at the toe of the trench system
Side Wall	Smooth surface on outer quarter circle of wall cap
Cover Fastening	Verify hardware: Bungee Cords, Carabiners, Ratchet Straps, Toe-end fastening system
Gore Cover	Verify no damage to shipping boxes
AC Electrical	Verify 600v AC at input
DC Electrical	Verify 24v at power supply

There will be a presentation by Sustainable Generation during the Mandatory Site Visit and Technical Briefing to be held at 1:00 p.m., Wednesday, December 14, 2022 at 1260 Bensfort Road, Peterborough, ON.