Air Curtain Destructor
Daily Start-Up Procedure

STEP 1 – Ignition Procedures (Cold Pit)

1. Load the pit 1/2 full with waste.

NOTE: If pit has enough coals from burning the day before, steps 2 & 3 can be omitted.

2. Douse the waste with 1 pint of fuel oil or diesel fuel, putting the majority of the oil on the waste at the front center side of the trench.

Caution: Do NOT use highly volatile solvents such as mineral spirits, gasoline, etc. for ignition.

Note: Some states do not allow the use of accelerates, call your local EPA office for clarification.

3. Light the waste inside the pit.
4. Allow sufficient time for the fire to take hold before introducing any air from the air supply. As the fire grows in intensity, turn the fan on at approximately 1100 rpm until ignition is uniform across pit (usually 10 to 15 minutes).

NOTE: If lighting coals left from burning the previous day, it will be necessary to introduce air from the fan before burning can start.

5. Making sure that no material protrudes above the air curtain, begin loading the pit.
6. Turn on the air supply fan after fire has ignited across pit. Air supply can be increased up to 2000 rpm.

NOTE: Only when the weather is clear can the machine be operated properly. Rain or low clouds are not suitable conditions for burning. Wind gusts may also necessitate shutdown. If this occurs, stop loading the pit and allow the machine to operate until the fire has burned down.

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STEP 2 - Shut-Down Procedures

1. Approximately 2 hours before shut down is desired, stop loading the pit with material and be sure air supply fan is running.

2. When fire inside pit has burned out, turn off air supply.

3. Allow ashes to cool before unloading them from the pit.

STEP 3 – Maintenance and Safety Requirements

Ash removal is required in order to maintain efficient and proper combustion. Ashes should not be allowed to build up in the pit to higher than 1/3 the pit depth or to the point where they begin to impede combustion and are blown out of the pit, whichever occurs first.

Before ashes are removed they should be saturated with water for cooling and dust control. Once removed they should be spread out approximately 6-12 inches deep to allow total cooling to take place. After ashes are completely cooled they can be disposed of properly.

Machine should be greased at the following locations:

Daily
Main Fan Bearings – 2

Weekly
Idler arm bushing -1

Hinges should be greased before the doors open.

(See arrows in following photo for examples of grease points)

These points should be greased daily.
DANGER
CAUTION
WARNING

These points should be greased weekly.
(DAILY)