

CCS compressor – Start Up Process

Before starting processing each day perform the following;

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Turn on electrical isolator.	SD	SD	SD	SD	SD
2. Press start.	SD	SD	SD	SD	SD
3. Check that the oil level is between the max and min marks. If it is not, inform the Site Manager.	SD	SD	SD	SD	SD
4. Check that the pressure gauge is reading between 5 and 10 bar. If it is not, inform the Site Manager.	SD	SD	SD	SD	SD

CCS machine – Start Up Process

Before starting processing each day perform the following;

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Ensure all powder, non-ferrous and ferrous metal collection bins are in position.	SD	SD	SD	SD	SD
2. Ensure that the output glass collection bag is correctly attached.	SD	SD	SD	SD	SD
3. (Each Friday carry out Estop challenge as detailed below, otherwise) Turn on the electrical isolator.	SD	SD	SD	SD	SD
4. The CCS machine runs through a series of automatic checks.	SD	SD	SD	SD	SD
5. Once these checks are complete clear any faults. The amber light should flash to indicate that the machine is ready to start. If it does not, check the HMI for the fault displayed and report this to the Site Manager.	SD	SD	SD	SD	SD

In addition to the above daily checks, each Friday perform a weekly Estop challenge as follows;

1. Press the Estop.	SD	SD	SD	SD	SD	Initials Fri
2. Turn on the electrical isolator.	SD	SD	SD	SD	SD	Initials Fri

Equipment Pre and Post Processing Checks - CCS Week Commencing: _____

3. Attempt to start the machine. The HMI should show an Estop fault which will not clear and the machine will not start. If the HMI does not display a fault, or the fault can be cleared and/or the machine can be started, inform the Site Manager.	SD
4. Reset the Estop and clear the fault. The machine should now complete its automated checks.	SD
5. Once these checks are complete clear any faults. The amber light should flash to indicate that the machine is ready to start. If it does not, check the HMI for the fault displayed and report this to the Site Manager.	SD

Powder drum/Sieving/Cabinet extraction – Start up Process

Before starting processing each day perform the following:

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Ensure all airflow check valves are closed.	SD	SD	SD	SD	SD
2. Turn on electrical isolator.	SD	SD	SD	SD	SD
3. Press start.	SD	SD	SD	SD	SD
4. Open the airflow check valve for the function that is to be performed.	SD	SD	SD	SD	SD
5. Ensure that the magnehelic gauge indicator is in the green segment. If it is not, inform the Site Manager.	SD	SD	SD	SD	SD

CCS compressor – Shut Down Process

When processing is complete or at the end of each day perform the following:

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Open the purge tap to remove any water.	SD	SD	SD	SD	SD
2. Empty the collection container.	SD	SD	SD	SD	SD
3. Press stop.	SD	SD	SD	SD	SD

Equipment Pre and Post Processing Checks - CCS Week Commencing: _____

4. Turn off electrical Isolator.					
<u>CCS machine – Shut Down Process</u>					

When processing is complete or at the end of each day perform the following;

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Run the purge cycle.	SD	SD	SD	SD	SD
2. Press stop.	SD	SD	SD	SD	SD
3. Turn off electrical Isolator.	SD	SD	SD	SD	SD
4. Pull out all powder, non-ferrous and ferrous metal collection bins and empty into the appropriate storage area.	SD	SD	SD	SD	SD
5. Vacuum inside of machine and collection bins and replace collection bins. Ensure dust inside machine is wiped down and the Electrical box is free from dust.	SD	SD	SD	SD	SD
6. Remove and seal the output glass collection bag.	SD	SD	SD	SD	SD

Purge today
today SD

Powder drum/Sieving/Cabinet extraction – Shut Down Process

When processing is complete or at the end of each day perform the following;

	Initials				
	Mon	Tue	Wed	Thu	Fri
1. Ensure drums are closed, sieve bins are covered and cabinet is empty.	SD	SD	SD	SD	SD
2. Close all airflow check valves.	SD	SD	SD	SD	SD
3. Press stop.	SD	SD	SD	SD	SD
4. Turn off electrical isolator.	SD	SD	SD	SD	SD