

Procedure summary

This procedure describes how to monitor algae storage tank.

Related Procedures

Decanter and Load Out

CB-02-006-002

Procedure impacts and concerns

Safety	Monitoring the algae storage tank is important so if tank level is high, arrangements can be made to have a tanker pick up a load and ship it to the PDU for further production process.
Quality	Improper monitoring of the storage tank could cause over spilling.
Delivery	If tanker is delayed harvested biomass will be sent to sump and slow down PDU production.
Environmental	All loss of containment will be cleaned up/contained and properly logged immediately, advising safety coordinator.
Compliance	Failure to monitor algae storage will cause biomass to be dropped into sumps. Therefore all new harvested biomass will go be discarded.

Responsibilities and owners

Document Owner	Manage content and distribution	Orlando Lozano
Process Owner	Responsible for content and process validation	Ziedney Valenzona
Site Manager	Responsible for implementation and conformance	Rebecca White

Process**Process description**

The algae storage tank is made to hold all biomass that has been decanted (dewatered) from the Decanter process building. It holds the decanted biomass until it can be shipped out to the PDU and refined.

Process diagram: Work Instruction



Figure 1. The algae storage tank is Located on the east side of the decanter room.

Process steps

1. First make sure the HMI is on.
2. If HMI is on click on tab that reads Algae Storage.

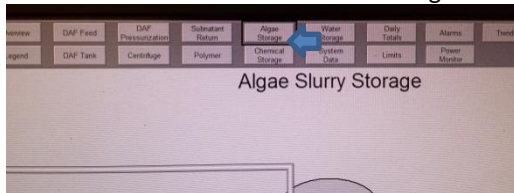


Figure 2. Algae storage tab on HMI

3. Once clicked a screen will pop up that will show a model of storage tank and load out pump.

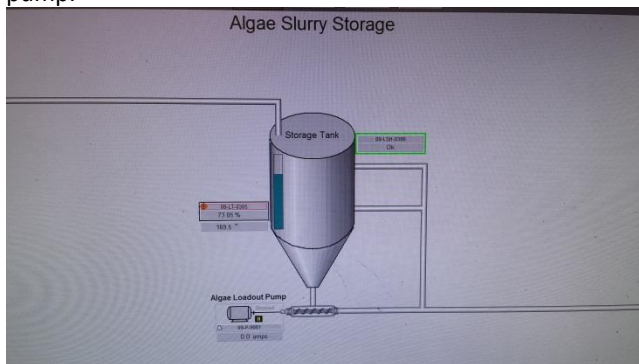


Figure 3. HMI storage screen

4. Once page is pulled up next to the tank picture will be a box showing the percentage in the tank and the volume in inches.



Figure 4. Algae Storage level percentage

and inches

Required documents

Input document

Harvest Record

<Input document
number>

Output documents

Harvest Record

<Output document
number>

Document control

Revision history

R0 – Initial Release – <Editor name>	<Date>
R1 – Orlando Lazano	<Date>
R3- Leo Willis	Date 20141203

Document approval

<Name>

<Approval date>

Document reviewers

<Name>

<Last reviewed
date>

<Name>

<Last reviewed
date>

Risk analysis

<Risk name>

<Mitigation plan>

<Owner>

<RPN
>