

Job Hazard Analysis

JHA Number 0030-PPD-EHS	Facility University of Vermont	Date Prepared 8/22/2019	Revision Date
Approved by		Analysis by WALKER, CHRISTOPHER	
Description Greenhouse Start-up for Season			
Smart Tabs			
Related Job Titles	Related Departments	Related Locations	Related MSDS
Training Requirements			

Additional Description
Greenhouse Start-up for Season Houses 1, 2, 3, 4, 5, 7, 8, 9, 10
Common sense should be applied when executing any job. We do our best to implement hazard control measures such as engineering controls, administrative controls and personal protective equipment. When the hazard is still present the use of certain PPE may be required for one or more steps but not all of the steps. However, it may be prudent to don all required PPE for the duration of the JHA.

Step/ Area	Task Step Description	Hazards	Control Measure	PPE Required
1	If chemicals are needed, contact your supervisor Towerbrom 90 (5 gal. bucket) Barclay Easicolt test for bacteria (order 24) (10 packages) Hatch free chlorine reagent (order 3 packages of 100) New 1/6 hp sump pumps for pits Evaporative pads, 12"x5"x48" with coating			
10	Fill pits with DCW and start pumps Check for leaks Check that sump pumps are in working order and there is a proper flow over pads through chlorinator (plumber)	Chemical	PPE	Safety glasses, without sideshields (100727); Gloves, chemical resistant, nitrile rubber (802746)
11	Preperation for adding the Towerbrom 90 tablets All items checked and running Shut pumps down Add three (whole) tablets			
2	Notify greenhouse staff about activities			
3	Greenhouse Inspection Clean out pits to insure all debris is gone (FRP)	Chemicals Possible cuts from debris in pit Ergonomic (lifting cover off of pit)	PPE Proper lifting technique	Safety glasses, without sideshields (100727); Gloves, chemical resistant, nitrile rubber (802746)
4	Inspect piping going to the sump pump (plumber)			Safety glasses, without sideshields (100727)

Job Hazard Analysis Continued

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Step/ Area	Task Step Description	Hazards	Control Measure	PPE Required
5	Inspect the PVC from the chlorinator for defects and cracks Check tubing from header to insure all are intact and attached (FRP)	Cuts/Scrapes	PPE	Safety glasses, without sideshields (100727)
6	Inspect evaporative pads for sign of deterioration and/or excess chlorine staining. Replace (if needed) Replacement pads stored in Jeffords penthouse (RFP)	Chemical	PPE	Safety glasses, without sideshields (100727); Gloves, chemical resistant, nitrile rubber (802746)
7	Inspect dampers and actuators for proper operation through Argus (HVAC)			
8	Inspect plastic filter housing and cartridges for cleanliness and/or cracking (FRP)	Cuts Chemical Slips	PPE Care when walkig on wet surfaces	Safety glasses, without sideshields (100727); Shoe/boot, slip-resistant sole; Gloves, chemical resistant, nitrile rubber (802746)
9	Inspect chlorinator to ensure there are no cracks and the O rings are in good shape (Plumber)	Chemical	PPE	Safety glasses, without sideshields (100727); Gloves, chemical resistant, nitrile rubber (802746)

Prepared By: _____ **Date:** _____