

Job Hazard Analysis

JHA Number 0045-PPD-GRO	Facility University of Vermont	Date Prepared 7/30/2021	Revision Date
Approved by WALKER, CHRISTOPHER		Analysis by HOLMES, ADAM	
Description Irrigation Work			
Smart Tabs			
Related Job Titles	Related Departments * GROUNDS	Related Locations	Related MSDS
			Training Requirements * OSHA Avoiding Back Injuries Course

Additional Description
Irrigation Work
The following are required for all Grounds job tasks and JHAs:
High Visibility PPE – Required to be worn over the torso as the outermost layer.
Long Pants - This includes job tasks where we currently require chainsaw chaps. Potential risk which can be controlled by this PPE includes, but is not limited to; cuts, flying objects, falling objects, piercing objects.
Shirts that cover at least 50% of the bicep are required for all tasks
PPE shall not be modified in anyway
Like any Job Hazard Analysis, common sense should be applied when executing a job. We do our best to engineer out the hazard and avoid the hazard with administrative measures such as signs, notices, caution tape, etc. When the hazard is still present and PPE is required for one or more steps but not all steps, it may be prudent to don all required PPE from the start of the job to the finish

Step/ Area	Task Step Description	Hazards	Control Measure	PPE Required
1	Turn off power to the irrigation zone being worked on	Electrical	Follow proper disconnection procedures	High visibility torso-covering garment; UVM Issued Safety glasses; Leather or Mechanix style gloves; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH
2	Dig and remove soil from around irrigation head	Cuts, abrasions Struck by pedestrian or equipment Flying objects	High visibility clothing Barriers around work in high traffic areas PPE	High visibility torso-covering garment; UVM Issued Safety glasses; Closed-toe shoe or boot; Leather or Mechanix style gloves
3	Cutting Pipe	Cuts, abrasions Struck by pedestrian or equipment Flying objects	High visibility clothing Barriers around work in high traffic areas PPE	High visibility torso-covering garment; UVM Issued Safety glasses; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH; Leather or Mechanix style gloves

Job Hazard Analysis Continued

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Step/ Area	Task Step Description	Hazards	Control Measure	PPE Required
4	Mechanical or chemical pipe repair (PVC primer and cement)	Cuts, abrasions Struck by pedestrian or equipment Flying objects Chemical exposure	High visibility clothing Barriers around work in high traffic areas PPE	High visibility torso-covering garment; UVM Issued Safety glasses; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH; Gloves, chemical resistant, latex
5	Thrust block installation	Cuts, abrasions Struck by pedestrian or equipment Flying objects lifting	High visibility clothing Barriers around work in high traffic areas PPE Proper lifting	High visibility torso-covering garment; UVM Issued Safety glasses; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH; Leather or Mechanix style gloves
6	Replace Soil	Cuts, abrasions Struck by pedestrian or equipment Flying objects	High visibility clothing Barriers around work in high traffic areas PPE	High visibility torso-covering garment; UVM Issued Safety glasses; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH; Leather or Mechanix style gloves
7	Turn on Power to the irrigation zone Test irrigation head	Electrical Cuts, abrasions Struck by pedestrian or equipment Flying objects	High visibility clothing Barriers around work in high traffic areas PPE	High visibility torso-covering garment; UVM Issued Safety glasses; All Leather boot/shoe ASTM F2413-17 M or F/1/75/C/75/EH; Leather or Mechanix style gloves

Prepared By: _____

Date: _____