



FIELD GUIDE

EHSS-Phos Program – Hot Work, Welding, & Cutting

NOTE: This Field Guide has been prepared for the exclusive use and benefit of Phosphate BU personnel of Mosaic Fertilizer, LLC. It is intended to provide a generic, non-exhaustive overview of the Phosphates BU “Hot Work, Welding, & Cutting Program”. It is not a substitute for any provision of the Program or the underlying regulations; the user should consult the Program and the current regulations to ensure compliance.

EHSS-Phos Program Hot Work, Welding, & Cutting describes the requirements and safeguards to protect employees, property, and equipment from damage or destruction caused by hot work hazards

Exemptions to Program:

- Work in maintenance and fabrication shops, other areas that have been evaluated and designated for Hot Work activities
- Phosphate Float Crews and Mine Maintenance & Reclamation areas performing Hot Work on noncombustible materials when there is no risk of igniting other appreciable sources of combustion such as grass, grease, combustible gases, etc.

Prior to commencing hot work, a task specific hazard assessment shall be completed by a competent person to determine that such work can be performed using alternative methods to hot work or moved to a designated hot work area.

If alternative methods are not feasible or introduce new hazards, a safe work permit shall be issued to identify controls necessary to address the hazards.

Once issued, the Safe Work Permit shall require three (3) authorizations. A fourth (4)* authorization signature is required when performing hot work in high risk hazardous areas or conditions:

- Permit Issuer – Supervisor or designee prior to starting hot work
- Fire Watch – Competent Worker prior to starting hot work
- Permit Close Out – Competent Worker, Supervisor, or designee upon completion of hot work and monitoring requirements.
- *General Manager or Designee – High Risk Hazardous work areas/conditions (refer to program)

Safe Work Permit is valid for one shift, up to 12 hrs in duration and must be readily accessible.

Hot work shall only be permitted in accordance with the hot work 35 ft. rule.

Elevated hot work area increases to a minimum of 50 ft. around horizontally and 35 ft. below.

A continuous fire watch shall be present when hot work is performed in locations where a potential fire and/or explosion hazard is present. Suitable fire extinguishers shall be maintained in a state of readiness, immediately available where hot work is being performed.

At a minimum, the following PPE must be worn:

- FR welding sleeves/welding jacket is required for all welding, burning, brazing, cutting, or grinding activities
- Safety glasses with side shields or goggles (grinding)
- Gloves of non-combustible materials
- Above ankle safety-toed shoes (laced or slip on)
- Aprons, leggings (as necessary to protect from shavings or slag when kneeling)
- Welding helmet/hard hat or safety shield suitable for protection from hot work with appropriate UV radiation protection.

This Field Guide provides only the most basic information about Hot Work, Welding, & Cutting, and information as referenced in the **EHS Safe Work Permit Training CBT Module**. Our **Phosphate BU Hot Work, Welding, & Cutting Program** provides much more detail on this topic. Here is the link to the BU Program: [“EHSS Phos Program - Hot Work”](#)

If you need help accessing the BU Program, please contact your supervisor or a member of the EHS Department.

NOTE: This Field Guide has been prepared for the exclusive use and benefit of Phosphate BU personnel of Mosaic Fertilizer, LLC. It is intended to provide a generic, non-exhaustive overview of the Phosphates BU “Hot Work, Welding, & Cutting” program. It is not a substitute for any provision of the Program or the underlying regulations; the user should consult the Program and the current regulations to ensure compliance.