

HAZARD CONTROL PLAN AND WORK AUTHORIZATION

1. Describe the work to be performed (use continuation page if needed) or give procedure number, revision number, and title.

HCP-MAQ-SnowBlower, R0

Title: Use of the snow blower at TA-54-1001

This HCP describes the safe operation of the snow blower around the "Cave" at TA-54-1001 to clear snow from paths and parking areas.

2. Describe potential hazards associated with the work (use continuation page if needed).

Injury to hands and fingers from reaching inside moving machinery.

Injury to eyes and face from flying debris.

Injury to others in area from flying debris.

Damage to property from flying debris. Flying debris can break windows and otherwise damage nearby vehicles and other equipment.

Inhalation of exhaust gases can cause respiratory harm.

Fuel spills, fires. Fuel can be spilled on the hot engine and start a fire. Storage and transportation of fuel creates risks of spillage.

3. For each hazard, list the likelihood and severity, and the resulting initial risk level (before any work controls are applied, as determined according to LIR300-00-01, section 7.2)

Injury to hands and fingers from reaching inside moving machinery: improbable / catastrophic = medium

Injury to eyes and face from flying debris: occasional / moderate = low

Injury to others in area from flying debris: probable / moderate = medium

Damage to property from flying debris: probable / moderate = medium

Inhalation of exhaust gases can cause respiratory harm: Improbable / critical = low

Fuel spills, fires: occasional / critical = medium

Overall *initial* risk: Minimal Low Medium High

4. Applicable Laboratory, facility, or activity operational requirements directly related to the work:

None List:

Work Permits required? No List:

5. Describe how the hazards listed above will be mitigated (e.g., safety equipment, administrative controls, etc.):

Read, understand, and follow complete instructions in operator's manual for the snow thrower.

Wear safety glasses or eye shield.

Wear gloves.

Do not wear scarves, jewelry, and loose clothing that could become entangled.

For starting, use only three-wire extension cord with GFCI protection.

Be aware of surroundings and other people passing nearby -- aim the discharge chute away from people and vehicles at all times.

NEVER use hands to clean snow from discharge chute or auger housing -- use the supplied tool. Shut off engine before cleaning.

See continuation page.

HAZARD CONTROL PLAN AND WORK AUTHORIZATION

This form is from MAQ-035

6. Knowledge, skills, abilities, and training necessary to safely perform this work (check one or both):

Group-level orientation (per MAQ-032) and training to applicable procedure.

Other → Describe:

Read, understand, and follow operator's manual.

7. Any wastes and/or residual materials? (check one) None List:8. Considering the administrative and engineering controls to be used, the *residual* risk level (as determined according to LIR300-00-01, section 7.3.3) is (check one):

Minimal

Low

Medium (requires approval by Division Director)

9. Emergency actions to take in event of control failures or abnormal operation (check one):

None

List:

In case of fuel spills, stop work in the area until the fuel evaporates or (for larger spills) is cleaned up by emergency response personnel. In case of fire, call the fire department.

In the event of serious injury, call 911. For other injuries, call supervisor and take person to hospital (if immediate medical treatment is needed) and report to HSR-2.

After this form is approved, perform the work safely. Identify opportunities for improvements in safety and report these to the safety officer or group leader.

Preparer(s) signature(s)_____
Name(s) (print)_____
/Position_____
Date[NOTE: Training to a procedure constitutes authorization.] **If this work is NOT described by a procedure:** I have reviewed the safety of this proposed work with the group safety officer and I commit to follow safe practices when performing this work._____
Employee signature_____
Name (print)_____
Date_____
Additional employee signature (optional)_____
Name (print)_____
Date_____
Additional employee signature (optional)_____
Name (print)_____
Date**Group leader or safety officer review.**

I have reviewed the proposed work with 1) the preparer(s) and 2) employees who will perform the work (if not described in a procedure) and I believe the hazards and safety concerns have been adequately addressed. The work as described above is hereby authorized. This authorization expires one year after the date below.

Group leader or safety officer signature_____
Name (print)_____
Date

This plan will be revised according to MAQ-035. Group leader or safety officer: After completion, submit to group Records Coord.

HAZARD CONTROL PLAN AND WORK AUTHORIZATION

Hazard Control Plan continuation page. Give item number being continued.

5. Mitigation, continued

When using the snow thrower over gravel, raise the height adjustment (skid shoe) so the thrower is at least two inches above the surface and does not pick up gravel. Use extreme caution when operating over gravel and aim the chute away from vehicles, people, and equipment. Gravel can also damage the machine if ingested.

When refueling: Only do refueling OUTDOORS and AFTER the engine has cooled for at least 5 minutes. Carry gas in approved safety gas cans only -- MAXIMUM 8 gallons. Wear safety glasses when refueling. Check engine oil at each refueling. Leave MAX of 17 oz in engine fuel tank.

When filling gas cans: Always put the can ON THE GROUND when adding gas. Cans in the bed of a truck, especially one with a bed liner, are often not grounded and a spark can occur between the gas nozzle and the can. Many fires have occurred this way.