**{Company Name}**

**JOB HAZARD ANALYSIS – MOWING ACTIVITIES**

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| **Title of Job/Operation:** |
| **Subcontractor:** |
| **Job Number:** |
| **Date:** |
| **Author:** |
| **Project Description:** |

**General Requirements for the use of a Job Hazard Analysis (JHA):**

Prior to starting any job, a toolbox meeting will be held to discuss the work phases and review the entire job. It will include the identification of any hazards and discussing the safest way to complete the job. All personnel involved in this work shall be familiar with this JHA and are required to acknowledge and sign the document.

All employees shall be aware of BNL safety rules as documented in this JHA and the applicable Health and Safety Plan (HASP), which must be available onsite. A brief summary follows:

1. Effective safety supervision shall be present on the project whenever work is to be performed.
2. All employees shall be effectively trained for the tasks which they are required to perform.
3. All PPE (Personal Protective Equipment) shall comply and be used per applicable ANSI standards. All workers must wear high visibility clothing, safety shoes, and safety glasses with side shields.
4. Maintain proper housekeeping throughout the project.
5. Any injury is to be reported to the supervisor immediately.
6. All electrical equipment shall be NRTL-listed (UL, CSA, ETL, TUV, etc.) or otherwise accepted by the BNL EAHJ through the EEI program.
7. Test GFCI before each use. No daisy chaining of extension cords.
8. All employees shall be aware and trained in the chemical hazard communication program (SDS, Right-to-Know). All SDSs for chemicals used shall be on file and approved by the BNL supervisor prior to the start of work as per OSHA requirements. Provide training as required by specific SDS.
9. Eyewash/Shower stations will comply with current ANSI standards located within 10 seconds but no further than 100 feet from hazardous chemical use areas.
10. If refueling equipment, use approved fuel dispenser cans only and post a no-smoking sign.
11. Operator manuals for power equipment will be available and reviewed for safe use.
12. Equipment such as ladders, power tools, hand tools, extension cords, etc. will be inspected daily for defects.

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| **Job Steps or Task** | **Hazards** | **Control Measures/Mitigation** |
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| Fueling/refueling lawn mower | Fire/burn if fuel spills and mower is hot.  Strain/sprain due to lifting heavy fuel container and static bending when filling tank. | PPE identified:  Eye/Face Protection – Wear safety glasses with side shields  Storage and Labeling:  Use approved fuel storage containers.  Use lighter containers (i.e., <=2 gallons) for fueling lawn mowers.  Pre-Job Inspection:  Ensure mower is cold before refueling.  Tool Use/Selection:  Use a funnel to direct fuel into gas tank.  Lifting/Lowering:  Use proper lifting technique when lifting fuel container.  Keep back as upright as possible when filling gas tank.  Eyes on Task:  Keep eyes on task to ensure gas is not spilled and/or tank is not overfilled. |
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| Pre-inspection of lawn | Prevent projectile objects being discharged from running mower  Prevent clogged mower discharge | Pre-Job inspection:  Inspect lawn for any objects that could become a harmful projectile.  Clear the lawn of children, pets, and others in the vicinity.  Ensure lawn is dry. |
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| Starting lawn mower | Strain/sprain due to pulling force, awkward posture, and repetitive motion when starting a pull-start mower.  Laceration/amputation if rotating blade on running mower rolls over body due to starting on an uneven, unstable, or wet surface.  Struck by projectile objects discharged from running mower  Health effects form CO vapor concentration | PPE identified Eye/Face Protection:  Wear safety glasses with side shields  Foot Protection – Wear leather, hard-toed shoes.  Hearing Protection - Wear hearing protection.  Pre-Job Inspection:  Start lawn mower in an open area to allow for CO vapor ventilation.  Ensure no objects are underneath it that could be discharged.  When starting a pull-start mower, ensure area behind arm is clear so elbow doesn’t hit anything.  Walking/Working Surfaces:  Place feet on a flat surface with secure footing.  Equipment Use/Selection:  Keep hands and feet clear of the lawn mower chassis and blade.  Pushing/Pulling:  When starting a pull-start mower, pull with a line of force directly to the side of the body and keep torso aligned (i.e., don’t twist). |
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| Area Preparation | Laceration/amputation if rotating blade on running mower rolls over body due to slip/trip/fall over hazards in lawn.  Laceration/amputation if rotating blade on running mower rolls over body due loss of control when mowing on uneven surfaces.  Struck by projectile objects discharged from running mower.  Hearing loss due to noise exposure. | PPE identified:  Eye/Face Protection – Wear safety glasses with side shields  Foot Protection – Wear leather, hard-toed shoes.  Hearing Protection - Wear hearing protection.  Other:  Ensure mower is being operated by a physically capable and trained person.  Avoid wearing loose clothing.  Eyes on Path:  Watch for potential projectile objects on the ground.  Watch for children, pets, and others.  Prior to mowing/walking/maneuvering mower on or near roadway, look for oncoming vehicles,  bikes, pedestrians, etc.  Watch footing and avoid any slip/trip hazards.  Line of Fire:  Always push the mower in front of you avoid pulling it toward you.  Equipment Use/Selection:  When mowing along edge of lawn at roadway, walk facing oncoming traffic (rather than having back to oncoming traffic).  When mowing on inclined surfaces with a push mower, mow across the slope.  When mowing on inclined surfaces with a rider mower, mow up and down the slope.  Turn mower off before leaving the vicinity where it is running. |
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| Unjamming and clearing mower | Potential stored mechanical energy in blades due to clog.  Laceration/amputation if blade rotates while body in pathway.  Burn due to contact with hot surfaces.  Struck by projectile objects discharged while clearing jam  (i.e., grass or dust in eye). | Identify PPE needed:  Eye/Face Protection - Wear safety glasses.  Hand Protection - Wear gloves as appropriate to protect from cuts or contact with sharp or hot surfaces.  Control of Hazardous Energy:  Prior to clearing, disengage blades and turn off the mower.  Disconnect spark plug wire from spark plug.  Tool Use/Selection:  Use a tool, stick, water from the hose, etc. to clear jams – avoid placing hand anywhere near blades.  Eyes on Task:  Avoid contacting hot surfaces on the mower. |
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I have attended the safety orientation toolbox meeting where we discussed the phases of the job and any potential hazards, housekeeping, and keeping the BNL population out of harm’s way. We also reviewed the JHA & BNL Work Permit.

I have read and understand the aforementioned JHA recommended job safe procedures and the BNL Work Permit and will follow them throughout this job:

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| **Name** | **Life Number** | **Signature** | **Date** |
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A signed copy of the JHA must be posted while the applicable subcontractor is working on-site and be available to any BNL employee upon request.