**Hazard Potential Form**

The purpose of this form is to establish the expected hazard potential to determine the PSSR/PHA MOC Requirements.

**TYPE OF CHANGE**

​ New/Modified Process Chemical

Equipment Addition or Removal

Equipment/Material Modification

Piping

Procedure

Alarm

Process Control

Instrument

Storage Tank Service Change

Other

Specify “Other”:

**DEGREE OF HAZARD**

|  |  |
| --- | --- |
| 1. The change introduces or affects a significant source of potential chemical, mechanical, thermal, or electrical energy. | Yes  No |

|  |  |
| --- | --- |
| 1. The change results in a 25% or more inventory increase of a specific toxic (by inhalation or adsorption), flammable, or reactive material. | Yes  No |
| 1. The change significantly increases the potential for personnel exposure to a hazardous material. | Yes  No |
| 1. The change alters or conflicts with an existing Standard Operating Procedure, Manufacturing Procedure, or Safe Work Practice. | Yes  No |
| 1. The change is a new facility (building, stationary major equipment, stationary vessel). | Yes  No |
| 1. The changed process system contains a new material known or suspected to be thermally, chemically, or physically unstable. | Yes  No |

|  |  |
| --- | --- |
| 1. This change results in a new significant potential for injury, off-site impact, or property damage. | Yes  No |

|  |  |
| --- | --- |
| 1. The change introduces a new PSM or RMP chemical to an existing facility (see note below). | Yes  No |

*If you have selected YES, for two or more answers, then the Degree of Hazard is HIGH.*

*OR*

*If you have selected YES for any of the choices highlighted in Red, then the Degree of Hazard is HIGH.*

|  |  |
| --- | --- |
| **DEGREE OF HAZARD IS:** | ☐**HIGH**   ☐**LOW** |

|  |  |
| --- | --- |
| **SIGNIFICANCE OF CHANGE** |  |
| 1. The change reorders or alters the processing sequence. | Yes  No |
| 1. The change significantly impacts the energy balance or material balance. | Yes  No |
| 1. The change necessitates significant or unique training for operators or technical personnel. | Yes  No |
| 1. The change significantly impacts the workload of the operator during emergency situations. | Yes  No |
| 1. The change involves production of chemicals in equipment not designed for that purpose or create a potential for equipment limitations being exceeded. | Yes  No |
| 1. The proposed change reduces the effectiveness of existing hazard mitigation. | Yes  No |
| 1. The change could take the process or system outside established safe operating limits during steady state or transient conditions. | Yes  No |
| 1. The change introduces a substantially different raw material, intermediate or product to the site. | Yes  No |
| 1. The change alters, affects, and/or bypasses critical equipment, critical control systems/components, or other safety devices. | Yes  No |
| 1. The change introduces materials which are chemically incompatible with materials handled in the same equipment during different sequences or campaigns. | Yes  No |
| 1. The change is a new facility (i.e., building, stationary major equipment, or stationary vessel). | Yes  No |
| 1. The change introduces a new PSM or RMP chemical to the plant or adds an existing PSM or RMP chemical to an existing facility (see note below). | Yes  No |

*If you have selected YES, for two or more answers, then the Significance of Change is HIGH.*

*OR*

*If you have selected YES for any of the choices highlighted in Red, then the Significance of Change is HIGH.*

|  |  |
| --- | --- |
| **SIGNIFICANCE OF CHANGE IS:** | ☐**HIGH**   ☐**LOW** |



**USE GUIDE BELOW TO SELECT MOC REQUIREMENTS**

If **Degree of Hazard** is LOW and **Significance of Change** is LOW, neither PSSR or PHA documentation must be completed for this MOC.

If **Degree of Hazard** is LOW and **Significance of Change** is HIGH, PSSR documentation must be completed for this MOC.

If **Degree of Hazard** is HIGH, both PSSR and PHA documentation must be completed for this MOC.