# Attachment 30.01-1 MOC Risk Level Checklist

**MOC Name**

**Degree of Hazard:**

**Level-One**

**1) Energy:** Does the change introduce or affect a source of potential chemical, mechanical, thermal, or electrical energy?

**2)** **Exposure:** Does the change increase the potential for personnel exposure to a hazardous material?

**3)** **Volume:** Does change result in a 25% or greater increase in inventory or storage capacity for a reactive, flammable, or toxic material?

**4)** **Stability:** Will the changed system introduce any materials known or suspected to be thermally, chemically or physically unstable?

**Degree of Hazard Level 1=      (enter total number of boxes checked)**

**Level-Two**

**5) Safety:** Does the change alter or conflict with an existing safety procedure?

**Degree of Hazard Level 2=      (enter total number of boxes checked)**

**Level-One**

3**)** Does the change impact the energy balance or material balance?

4) Does the change involve a tank change of service?

5) Does the change introduce materials that are chemically incompatible with materials handled in the same equipment during different sequences or campaigns?

6) Does the proposed change reduce the effectiveness of existing hazard mitigation?

**Degree of Significance Level 1=      (enter total number of boxes checked)**

**Level-Two**

7) Could Change take the process outside of well understood and documented operating conditions?

8) Does the change involve production of chemicals in equipment not designed for that purpose or create a potential for equipment limitations being exceeded?

9) Does the change alter and/or bypass critical equipment, critical control systems, or other safety devices?

10) Does the change introduce a different raw material, intermediate or the production of a new molecule?

11) Does the change reorder or alter the processing sequences?

**Degree of Significance Level 2=      (enter total number of boxes checked)**

**Risk Ranking Score**

**Degree of Hazard: Degree of Significance:**

Totals (enter total number of “checks” in each level)

Level 1 = Level 1 =

Level 2 = Level 2 =

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Degree of Significance** |  |  | **Degree of Hazard** | | | |
|  |  |  | **Level 1** | **Level 1** | **Level 2** |
|  | **Boxes Checked** | **None** | **1** | **2 or more** | **1** |
|  | **None** | L0 | L1 | L2 | L2 |
| **Level 0** | **1** | L0 | L1 | L2 | L2 |
|  | **2** | L0 | L1 | L2 | L2 |
|  | **1** | L1 | L1 | L2 | L2 |
| **Level 1** | **2** | L1 | L1 | L2 | L2 |
|  | **3** | L1 | L1 | L2 | L2 |
|  | **4** | L1 | L1 | L2 | L2 |
|  | **1** | L2 | L2 | L3 | L3 |
|  | **2** | L2 | L2 | L3 | L3 |
| **Level 2** | **3** | L2 | L2 | L3 | L3 |
|  | **4** | L2 | L2 | L3 | L3 |
|  | **5** | L2 | L2 | L3 | L3 |

**Total Risk Level for this Project:**

**L**