**HAZARD ASSESSMENT**

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| **Toxics: Alternative Case Scenario (ACS)** |
| Process Name |  |
| Chemical |
|  Chemical Name |  |
|  Percent weight of chemical |  |
|  Physical State |  |
|  Model Used |  |
|  Scenario |  |
|  Quantity Released (lbs) |  |
|  Release Rate (lbs/min) |  |
|  Release Duration (mins) |  |
|  Wind Speed (meters/sec) |  |
|  Atmospheric Stability Class |  |
|  Topography |  |
|  Distance to Endpoint (miles) (Attach maps of the impact area of the ACS release. Draw the distance to the endpoint from the facility as a radius of a circle showing distance to endpoint in all directions from the facility.) |  |
|  Estimated residential population within distance to endpoint |  |
| Public Receptors | Yes or No |
|  Schools |  |
|  Residences |  |
|  Hospitals  |  |
|  Prisons/Correctional Facilities  |  |
|  Recreational Areas |  |
|  Major commercial, office or industrial areas |  |
|  Other |  |
| Environmental Receptors | Yes or No |
|  National or State Parks, Forests or Monuments |  |
|  Officially Designated Wildlife Sanctuaries, Preserves, or Refuges |  |
|  Federal Wilderness Areas |  |
|  Other |  |
| Passive Mitigation Considered | Yes or No |
|  Dikes |  |
|  Enclosures |  |
|  Berms |  |
|  Drains |  |
|  Sumps |  |
|  Other |  |
| Active Mitigation Considered | Yes or No |
|  Sprinkler Systems |  |
|  Deluge Systems |  |
|  Water Curtain |  |
|  Neutralization |  |
|  Excess Flow Valve |  |
|  Flares |  |
|  Scrubbers |  |
|  Emergency Shutdown Systems |  |