# Environmental aspect identification

- Consider life cycle assessment – raw material, design, production, transportation, delivery, use, end-of-life treatment and final disposal.
- Environmental Aspect
  - Use of raw materials
  - Use of energy
  - Emissions to air
  - Releases to water
  - Releases to land
  - Energy emitted e.g. heat, radiation, and vibration
  - Waste & by products

# Examples: Environmental aspect and impacts

| Activity/Product/Service | Aspect | Impact |
|---|---|---|
| Handling of hazardous chemicals | Potential chemical spill | Soil/land contamination |
| Press operation using electricity driven equipment | Use of electricity | Resource depletion |
| Maintenance of process equipment | Disposal of rags tainted with oil/grease | Soil and land contamination |
| Effluent from Lead plating | Disposal of effluent water | Water Pollution |

| | ENVIRONMENTAL MANAGEMENT SYSTEM | Doc No: WGE-XR-EHS-04-F-01 |
|---|---|---|
| | ASPECT IMPACT LIST | Rev No & Date: 02 & 01.06.2016 |
| | | Page No |

**Department:**
**Area:**
**Date**

| Sl. No | Operation / Process | Activity | Aspect | N/A/E | Impact | RSP | LR | RATING | | | | | Sig / Non_Sig | Control stragy | Action |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SCL | SEV | POC | D | RATING | | | |
| | | | | | | | | | | | | | | | |
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**Condition : N - Normal, A - Abnormal, E - Emergency, LR - Legal requirement : RSP- Resource saving Potential**

**Rating: SCL - Scale, SEV - Severity / degree of Impact, POC - Probability of occurrence, Sig. rat - Significant rating, S - Significant, NS - Non-Significant, PI - Positive Impact**

# Examples: Environmental aspect and impacts

| Activity/Product/ Service | Aspect | Impact |
|---|---|---|
| Office Work | Office use of electronic equipment | Generation of recyclable waste (paper, batteries, toner cartridges), land contamination |
| Chemical Process | Use of solvents, oil, fluorescent lamps, and excess furniture | Land contamination (landfill) |
| DG Set operation | Air emissions from buildings | Air pollution, global warming |
| Transportation | Motor vehicle operations (Use of oil, rags, antifreeze, tires, and batteries) | Hazardous waste generation and air pollution |
| Gardening | Use of fertilizers | Depletion of natural resources (fertilizer, water use etc.,) |