

US EPA ARCHIVE DOCUMENT

ACTIVITY/ASPECT/IMPACT LIST

EXAMPLES

Activity: Receiving of chemical drums (chemicals include those used in assembly and treatment):

Aspect: Leaks in the chemical drums in receiving area

Impact: Possible impact: water pollution

Control: drums are stored under the covered shed in the area and also inspected for leaks while receiving but large leaks due to accident can cause run off

Final impact: Reduction of potential for water pollution

Activity: Supply of chemicals from suppliers

Aspect: spills or leaks during transportation

Impact: water pollution

Impact: Air pollution

Impact: Ground water pollution

Impact: Soil contamination

Control: No control

Final impact: Impacts could occur as mentioned above

Activity: Transfer of purchased chemicals to storage tanks

Aspect: Leak of contents during transfer

Impact: Water pollution

Impact: Soil contamination

Impact: Air pollution (Nitric vapors)

Control: Termination of the off-loading process, correction of leak, containment

Final Impact: Impacts could exist as listed above

Aspect: Overflow from tanks

Impact: Water pollution

Impact: Soil contamination

Impact: Ground water contamination

Impact: Air pollution

Control: Termination of the off-loading process, shut off valves and notification to appropriate personnel, Containment, ponds

Final Impact: Impacts could exist as listed above

Activity: Packaging of final product (Capacitors)

Aspect: Wastage of cardboard boxes
Impact: resource depletion
Control: Recycling carried out for waste cardboard boxes
Final Impact: Resource conservation (positive)

Activity: Use of baler to recycle cardboard boxes

Aspect: Release of tiny cardboard shredded particles (particulate matter)
Impact: Air pollution causing respiratory hazard
Control: No control
Final Impact: Impact exists as mentioned above

Activity: Return of receiving cardboard boxes to suppliers where required

Aspect: Recycling of cardboard boxes
Final Impact: Resource Conservation (positive)

Activity: Disposal of receiving wooden foil crates

Aspect: Solid waste generation
Impact: Land contamination
Control: Efforts undertaken to find suitable recycling method
Final Impact: Impact exists as mentioned above

Activity: Using wooden pallets to receive/dispatch materials as well as to store

Aspect: Recycling pallets
Final Impact: Resource conservation (positive)

Activity: Storage of wooden pallets

Aspect: Deterioration and storm water damage
Impact: Water pollution and solid waste generation
Control: Storage in designated areas
Final Impact: Potential waste generation if improperly stored

Activity 6: Storage of materials such as hoses, pipes, empty bags, empty containers

Aspect: Accumulated in the storage including lubricants, oils, etc. may get into sewer and block sewer pipes
Impact: Water pollution
Control: No control
Final impact: Impact exists as mentioned above

Activity: Storage of Chemicals

Aspect: leaks from containment walls
Impact: water pollution
Impact: Soil Contamination
Impact: Potential health hazard
Control: Not adequate
Final impact: Impact exists as mentioned above

Aspect: Rupture of pipe for acids and caustics
Impact: Water pollution
Impact: Ground water contamination
Impact: Soil contamination
Control: Leaks are contained on floor or within the containment area
Final impact: Water pollution may exist

Activity: Storm water management

Aspect: Drainage of contamination to storm drains
Impact: Water pollution
Control: Spill containment/ clean up
Final Impact: Impact may occur if the spill is not detected

Activity: asphalt smoke

Aspect: asphalt emissions
Impact: Air pollution
Control: Effective through air filter
Final impact: Reduction of air pollution due to asphalt filter (positive impact)

Activity: Use of scrubber to reduce air pollution

Aspect: Failure/damage of scrubber
Impact: Air pollution
Impact: Permit Violation
Control: Regular monitoring
Final Impact: Reduction of air pollution (positive impact)

Activity: PVC insulation on capacitors

Aspect: Disposal of PVC plastic
Impact: Land contamination
Control: no control
Final impact: Impact exists as mentioned above

