

## Addis Ababa Environmental Protection Authority

### Industrial Pollution Inspection General Checklist

#### A. Details About the Industry

1.	Industry name and address	
2.	Industry type	
3.	Date of establishment	
4.	Number of employees	
5.	Working days per week/per year	
6.	Main products and by-products	
7.	Inspection date and time	
8.	Representative of the industry present during the inspection:  Phone No :  E-mail id :	

#### B. Overall Plant Inspection

Sr. No.	Issues	YES	NO	Comment
1.	Is there appropriate: <ul style="list-style-type: none"> <li>• Raw material storage condition and place?</li> <li>• Product storage and place?</li> </ul>			
2.	Is there sufficient open space among the production and other areas?			
3.	Is the product storage condition and storage place appropriate?			
4.	Is there any spillage observed at different stages of production, storage and transportation?			

#### C. Entry Conditions at the Main Gate

Sr. No.	Issues	YES	NO	Comment
1.	Is there any delay or denial of entry at the main gate?			
2.	Is there any awareness about EPA at the main gate?			
3.	Is there any unusual and offending behavior at the main gate? If yes, what?			

### D. Water Consumption

Sr. No.	Issues	YES	NO	Comment
1.	Is ground water the major water source? If not what?			
2.	Is the water consumption as per the license condition?			
3.	Is ground water consumption controlled?			
4.	Is there reasonable daily water <b>usage</b> and wastewater <b>generation</b> ?			
5.	Are there water efficiency and conservation practices?			

### E. Wastewater Treatment

Sr. No.	Issues	YES	NO	Comment
1.	Is the wastewater regularly characterized?			
2.	Where is the wastewater characterized: <ul style="list-style-type: none"> <li>• In the industry's laboratory?</li> <li>• In EPA's laboratory?</li> <li>• In other laboratories?</li> </ul>			
3.	Is there appropriate wastewater treatment plant?			
4.	The level of wastewater treatment practiced: <ul style="list-style-type: none"> <li>• Preliminary?</li> <li>• Primary?</li> <li>• Secondary?</li> <li>• Tertiary?</li> </ul>			
5.	Is there a regularly calibrated flow measurement device?			
6.	Does the final effluent quality meet the national effluent release standard? If yes, for what pollutant parameters?			
7.	Are discharge outlets appropriate?			
8.	Are the outlets convenient for sample collection?			
9.	Is final effluent discharged only through the designated and appropriate outlet?			
10.	Is there any reuse or recycling of treated wastewater?			

### F. Solid Waste Management

Sr. No.	Issues	YES	NO	Comment
1.	<p>Is there appropriate solid waste management?</p> <ul style="list-style-type: none"> <li>• Reuse?</li> <li>• Onsite recycling?</li> <li>• Composting?</li> <li>• Biogas generation?</li> <li>• Standard incineration?</li> <li>• Disposal to land fill?</li> <li>• Other</li> </ul>			

### G. Hazardous Waste Management

Sr. No.	Issues	YES	NO	Comment
1.	<p>Is there hazardous waste generation in the industry? If yes, what are the major ones?</p>			
2.	<p>Are there appropriate hazardous waste management practices in the industry?</p> <ul style="list-style-type: none"> <li>• Proper onsite storage (handling) till permanent disposal?</li> </ul> <p style="margin-left: 40px;">Are all hazardous waste containers:</p> <ul style="list-style-type: none"> <li>-Well closed with no leaks?</li> <li>-Well labeled?</li> <li>-Well protected from sun, rain etc.)?</li> </ul> <ul style="list-style-type: none"> <li>• Temporary landfilling in the industry in the proper procedures?</li> <li>• Disposal by landfill in the appropriate landfill site designed for that purpose?</li> <li>• Other?</li> </ul>			

### H. Hazardous Chemical Leaks and Related Accidents

Sr. No.	Issues	YES	NO	Comment
1.	Have the hazardous materials been on fire, exploded or released to the environment in the recent past?			
2.	If yes, was there significant loss by the accident?			
3.	Were appropriate corrective actions taken after the accident? What actions?			

### I. Air Pollution Control

Sr. No.	Issues	YES	NO	Comment
1.	Is there air pollution caused by the industry? If yes, from which sources?			
2.	Is the appropriate air pollution control device installed? <ul style="list-style-type: none"> <li>• Gravitational settling chambers?</li> <li>• Cyclones?</li> <li>• Fabric filters?</li> <li>• Electrostatic precipitators?</li> <li>• Scrubber technologies?</li> <li>• Others?</li> </ul>			
3.	Is appropriate chimney stack installed and well operated?			

### J. Noise Pollution Control

Sr. No.	Issues	YES	NO	Comment
1	Is noise pollution caused by the industry? If yes, from which sources?			
2	Are there appropriate noise pollution management practices in the industry? <ul style="list-style-type: none"> <li>• <b>Source reductions</b> (use of less noise machines, regular device maintenance, vibration reduction etc.)?</li> <li>• <b>Noise-path interventions</b> (e.g. using barriers at different places in the industry to prevent noise propagation)?</li> <li>• <b>Receiver protection</b> (e.g. use of ear protectors such as noise mufflers)?</li> </ul>			

**K. Environmental Awareness and Training**

Sr. No.	Issues	YES	NO	Comment
1.	Training to the industry staff on: <ul style="list-style-type: none"> <li>• Environmental pollution and legislation?</li> <li>• Operation of wastewater treatment plant?</li> <li>• Waste prevention (cleaner production)?</li> <li>• Occupational safety and health?</li> <li>• Emergency response?</li> <li>• Other environmental related training?</li> </ul>			

**L. Waste Prevention (Cleaner Production)**

Sr. No.	Issues	YES	NO	Comment
1.	Are there cleaner production practices in the industry? <ul style="list-style-type: none"> <li>• Water conservation and efficiency practices?</li> <li>• Energy conservation and efficiency practices?</li> <li>• Resource recovery (e.g. chrome recovery for tanneries)?</li> <li>• Raw material substitution?</li> <li>• Use of resource efficient and clean processes and technologies?</li> <li>• Good housekeeping?</li> <li>• Other cleaner production alternatives?</li> </ul>			