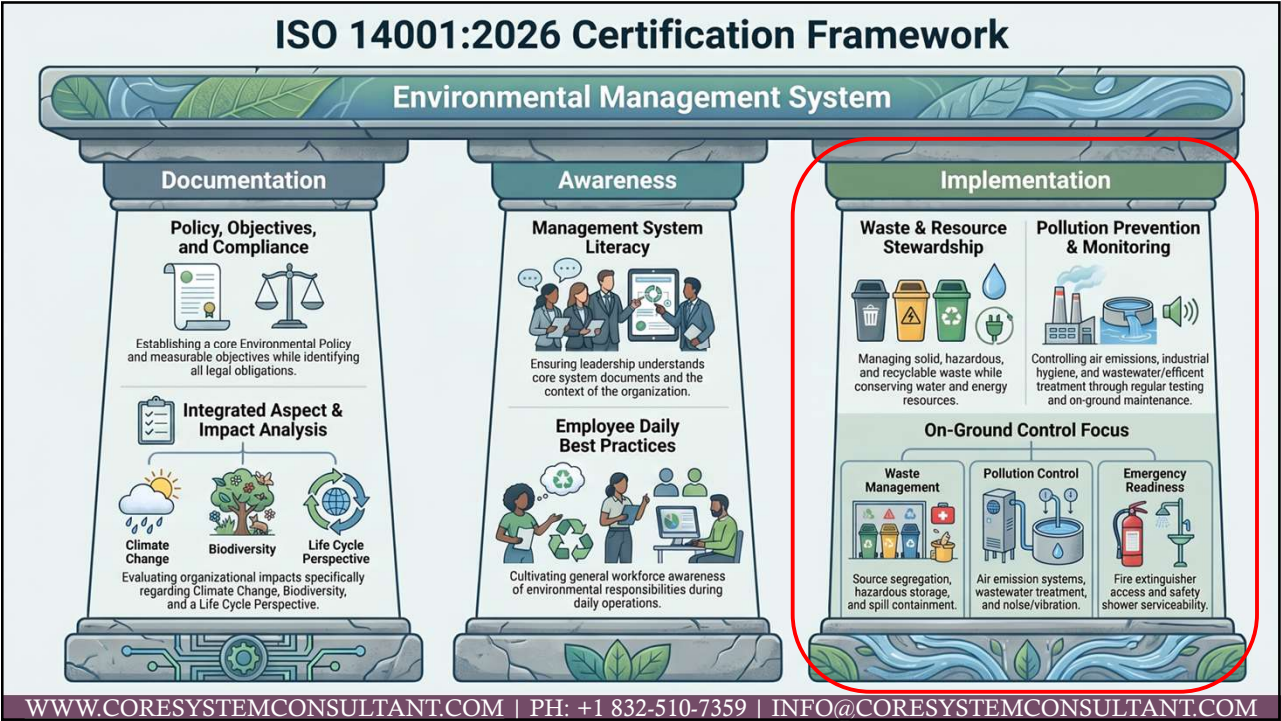




Any industry...

Waste Management



Emissions and Discharges



Emergency Preparedness



Consumption of Resources



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ISO 14001:2026 EMS – On Ground Environmental Controls

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

1. WASTE MANAGEMENT

2. PROCESS EMISSIONS & DISCHARGES

3. RESOURCE CONSERVATION

4. EMERGENCY PREPAREDNESS & SAFETY

DAILY ON-GROUND COMPLIANCE

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ISO 14001:2026 EMS – 1. Waste Management

Mastering Workplace Waste Management: Daily Controls & Industry Standards

DAILY EMPLOYEE CONTROL PROTOCOLS



Segregate Waste at the Source
Use designated, color-coded containers to sort materials immediately upon disposal.

Maintain Storage & Safety
Keep waste areas clean, prevent bin overflow, and report spills or leaks instantly.

Accurate Record Keeping
Maintain waste manifests and disposal records to ensure compliance with EPA RCRA regulations.

INDUSTRY-SPECIFIC SEGREGATION EXAMPLES

Manufacturing
Scrap metal separated from general waste and cardboard.



Food Industry
Organic waste isolated from plastics and packaging materials.



Construction
Concrete, wood, steel, and debris sorted into separate streams.



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ISO 14001:2026 EMS – 2. Process Emissions & Discharges

INDUSTRIAL AIR EMISSION: CONTROL & COMPLIANCE FRAMEWORK

Operational protocols, industry controls, and EPA regulations for effective industrial air quality management.

This framework integrates daily operational oversight with industry-specific control technologies to ensure full alignment with EPA Clean Air Act (CAA) compliance protocols.

DAILY OPERATIONAL PROTOCOLS



RIGOROUS EQUIPMENT OVERSIGHT
Maintain continuous operation of pollution control equipment and perform daily operator inspections.



IMMEDIATE ANOMALY REPORTING
Identify and report visible smoke or abnormal emissions while avoiding unauthorized venting.



INTEGRITY OF MONITORING RECORDS
Maintain comprehensive emission monitoring records to satisfy compliance assurance requirements.

INDUSTRY CONTROLS & EPA STANDARDS



CLEAN AIR ACT (CAA) ALIGNMENT
Follow Compliance Assurance Monitoring (CAM) requirements and mandated stack testing protocols.



TARGETED CONTROL TECHNOLOGIES
Implementation of VOC systems, dust collectors, and stack monitoring based on industry.

INDUSTRY-SPECIFIC CONTROL & MONITORING MAPPING

INDUSTRY SOURCE	PRIMARY EMISSION CONCERN	CONTROL/MONITORING PROTOCOL
 BOILERS	Stack Emissions	 Continuous Emission Monitoring
 PAINT SHOPS	Volatile Organic Compounds	 VOC Emission Control Systems
 CEMENT PLANTS	Particulate Matter / Dust	 Regular Dust Collector Inspections

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ISO 14001:2026 EMS – 2. Process Emissions & Discharges

Mastering Hazardous Waste: Daily Controls & Identification



Secure Containment and Labeling:
Store waste in labeled, compatible containers and keep lids closed when not in use.



Segregation and Secondary Containment:
Keep incompatible wastes separate and always utilize secondary containment systems to prevent leaks.



Regular Monitoring and Tracking:
Inspect storage areas frequently and track all waste generation and disposal activities.



Common Hazardous Materials:
Typical wastes include used oil, solvents, paint, batteries, chemical sludge, and fluorescent lamps.



Metal Finishing produces chromium-containing wastewater sludge.



Automotive generates used oil and solvent wastes.

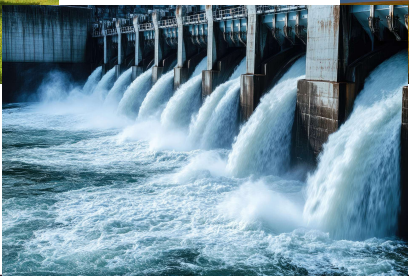


Chemical Manufacturing generates off-specification chemicals and reaction residues.

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ISO 14001:2026 EMS – 3. Resource Conservation

Energy and Natural Gas Conservation: Reducing reliance on Fossil fuel and natural gas based energy sources, switching to Green Energy sources (solar / wind). Energy efficient equipments, Timely maintenance of equipment and other Energy Management Program



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ISO 14001:2026 EMS – 3. Resource Conservation

Water Conservation Controls:

Daily Employee Controls



Immediate Detection and Reporting
Report water leaks immediately and shut off all unnecessary water use.



Vigilance in Daily Operations
Prevent water wastage during cleaning and reuse water wherever permitted.



Consumption Monitoring
Consistently track water consumption trends to identify unusual usage patterns.

Industry Solutions & Environmental Impact

Sector-Specific Conservation Examples



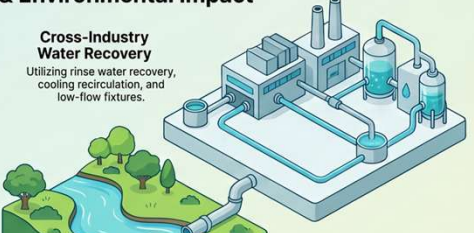
Beverage Industry
Primary Control Method: Bottle rinse water recovery



Manufacturing
Primary Control Method: Cooling water recirculation



Commercial Buildings
Primary Control Method: Low-flow fixture installation



Cross-Industry Water Recovery
Utilizing rinse water recovery, cooling recirculation, and low-flow fixtures.



Reduced Freshwater Demand
Strategic conservation efforts directly decrease the pressure on local freshwater sources.



Lower Wastewater Generation
Improved efficiency results in significantly less wastewater for processing and disposal.

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ISO 14001:2026 EMS – 4. Emergency Preparedness

- **Spill Prevention Controls:** Focuses on physical integrity inspections of hoses and pipelines, and keeping chemical spill response kits fully stocked.
- **Stormwater Protection Controls:** Defends outdoor drains by keeping outdoor waste covered and preventing rainwater exposure to chemicals.
- **Industrial Hygiene Controls:** support environmental protection by maintaining clean work areas, preventing accumulation of wastes, controlling dust and debris, and ensuring timely collection, segregation, and disposal of waste materials.
- **Fire Extinguisher Monitoring Controls:** Requires monthly inspections, current service tags, and clear emergency access paths.

SAFETY & PREVENTIVE HOUSEKEEPING



Emergency Equipment Readiness
Ensuring immediate accessibility to fire extinguishers, eyewash stations, and emergency showers.



Site Integrity & Housekeeping
General housekeeping and pollution prevention controls are verified to ensure ground-level implementation.

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ISO 14001:2026 EMS – On Ground Environmental Controls

70%

ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)

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DAILY ON-GROUND COMPLIANCE

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ISO 14001:2026 EMS UPCOMING TRAININGS...

1. ISO 14001:2026 EMS Awareness Training - 2 days (online) ;

Dates	Mode of Training
Sep 24 - 25, 2026	online

2. ISO 14001:2026 EMS Internal Auditor Training - 2 days (online) ;

Dates	Mode of Training
Oct 26 - 27, 2026	online

3. ISO 14001:2026 EMS Lead Auditor (Exemplar Global certified) Training – 5 days (online) ;

Dates	Mode of Training
Nov 16 - 20, 2026	online

Click the links in the description for online registration

Discount is available for registering 30 days before the training

All trainings are from 9am – 5pm CST (Houston time)

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Our Training Programs

- ISO 9001 QMS Awareness

ISO 9001 QMS Lead Implementer

ISO 9001 QMS Internal Auditor

ISO 9001 QMS Lead Auditor (IRCA/Exemplar Global)

ISO 14001 EMS Awareness

ISO 14001 EMS Lead Implementer

ISO 14001 EMS Internal Auditor

ISO 14001 EMS Lead Auditor (IRCA/Exemplar Global)

ISO 45001 OHSMS Awareness

ISO 45001 OHSMS Lead Implementer

ISO 45001 OHSMS Internal Auditor

ISO 45001 OHSMS Lead Auditor (IRCA/Exemplar Global)

ISO 27001 ISMS Awareness

ISO 27001 ISMS Lead Implementer

ISO 27001 ISMS Internal Auditor

ISO 27001 ISMS Lead Auditor (IRCA/Exemplar Global)
- ISO 50001 EnMS Awareness

ISO 50001 EnMS Lead Implementer

ISO 50001 EnMS Internal Auditor

ISO 5001 EnMS Lead Auditor (IRCA/Exemplar Global)

ISO 22301 BCMS Awareness

ISO 22301 BCMS Lead Implementer

ISO 22301 BCMS Internal Auditor

ISO 20000 ITSMS Awareness

ISO 20000 ITSMS Lead Implementer

ISO 31000 Risk Management & ERM Awareness

ISO 31000 Risk Management & ERM Lead Implementer

ISO 37001 ABMS Awareness

ISO 37001 ABMS Internal Auditor

ISO 9001, 14001, 45001 Integrated Internal Auditor

ISO 14001, 45001 Integrated Internal Auditor

ISO 55001 AMS Awareness

ISO 55001 AMS Lead Implementer

For full details, visit: <https://coresystemconsultant.com/training/#Trainings>

Or email us at: info@coresystemconsultant.com