













Assisting
Advocating
Facilitating...

Environmental Improvement

September 2007



Introduction

Thank you for your desire to protect and improve Kentucky's environment!

The Environmental Compliance Assistance Program has prepared this tool to help organizations routinely assess their environmental compliance needs. Being proactive and ensuring that the facility is meeting its environmental responsibilities will enhance the facility's reputation, instill a sense of pride among its employees, and can serve as a tool to maximize financial profits—a win for everyone in the Commonwealth.

The Facility Environmental Compliance Evaluation will help your organization determine if it is adequately meeting its environmental responsibilities. Does the facility possess the necessary permits? Is waste properly stored and managed? Are your discharges meeting their permit limits? These are a few of the important questions that should be routinely asked to ensure that your organization stays in compliance with Kentucky's environmental standards.

Keep in mind that this booklet is only a tool and is designed to help an organization begin to ask routine questions that will help improve performance. Because it is limited in its scope, this workbook will not verify compliance in all areas of Kentucky's environmental requirements and should not be construed as a comprehensive inventory.

Call the Environmental Compliance Assistance Program staff at 502-782-6189 if you need assistance or have questions about any of the information provided in this workbook or any other environmental requirements that may apply to your organization. Staff are available to help you understand and address your environmental responsibilities. There is no charge for this service. We look forward to working with you!

Using This Document

The remainder of this document serves as a checklist. Although many of the questions provided in these checklists lend to a yes or no answer, the user should also be prepared to ask questions such as "why?," "who?," or "when?" as each item is addressed. Being able to answer these questions will often lead an assessor to potential solutions when areas of deficiency are found.

When completing the checklists contained in this document, the user should apply the following key to record any observations. Items identified as "yes" will typically indicate that the organization has satisfactorily achieved the item and no further action is necessary. Questions answered with "partially," "no," or "unsure" may indicate that the organization needs to correct a problem or needs to conduct further evaluation.

Yes	The organization has fully addressed the item.
Partially	The organization has addressed or marginally addressed the item, but still has some discrepancies that could be corrected with minimal organizational, operational, or technical change and within a reasonable time line.
No	The organization has not addressed or adequately addressed the item.
Unsure	The organization is unable to determine if this item has been adequately addressed.
N/A	The question does not apply to the organization.

Perhaps the most important part of the assessment process is conducted after the evaluation is completed. Follow-up and corrective actions are critical if the organization wishes to improve its performance and minimize its environmental impact. The Environmental Compliance Assistance Program is available to assist organizations in completing their assessment and identifying the appropriate corrective actions that address areas of deficiency. Program staff can be reached by calling 502-782-6189.

Facility Environmental Compliance Evaluation

A Facility Environmental Compliance Evaluation is one type of evaluation that can help an organization appraise its environmental performance and compliance with its environmental responsibilities. Conducting routine facility evaluations is a critical part of identifying potential areas of noncompliance, along with verifying the implementation of corrective actions taken to correct past problems, reducing an organization's environmental liability, and maximizing the organization's success.

This section provides basic questions that are applicable to most facilities. The questions highlight many of the areas of concern that are frequently identified during Department for Environmental Protection inspections and allow the user to identify areas where improvement or additional evaluation is necessary. There may be other requirements that apply to a facility that are not contained in this document. If there is a question that does not apply to the organization, simply skip it and move on to the next question. This section is organized as follows:

- Air Quality Requirements
- Waste Management Requirements
- Water Quality Requirements
- Emergency Planning
- Other Operating Practices for Successful Compliance

Air Quality Requirements

1.	Has the facility obtained a permit from the Division of Air Quality and is the facility aware of the permit's terms and conditions?	YES	PARTIALLY	NO	UNSURE	N/A
2.	Has the facility completed an inventory of its actual and potential air emission points?	YES	PARTIALLY	NO	UNSURE	N/A
3.	Has the facility determined if one or more chemicals listed on the EPA's inventory of 187 hazardous air pollutants are used in any of its processes?	YES	PARTIALLY	NO	UNSURE	N/A
4.	Does the facility prepare and submit its Semi- Annual Monitoring reports to the Division for Air Quality?	YES	PARTIALLY	NO	UNSURE	N/A
5.	Does the facility prepare and submit an Annual Compliance Certification to the Division for Air Quality?	YES	PARTIALLY	NO	UNSURE	N/A
6.	Does the facility appropriately maintain records related to its air emissions and operations as required by its permit?	YES	PARTIALLY	NO	UNSURE	N/A

7.	Does the facility have established procedures to ensure proper notification for air-related events, including excursions, startups, shutdowns, and malfunctions?	YES	PARTIALLY	NO	UNSURE	N/A
8.	Does the facility notify the Division for Air Quality whenever new emission points are added or substantial changes to the facility's process occur?	YES	PARTIALLY	NO	UNSURE	N/A
9.	Does the facility take steps to minimize emissions, including its fugitive emissions?	YES	PARTIALLY	NO	UNSURE	N/A
10.	Does the facility implement practices to avoid odor problems off-site?	YES	PARTIALLY	NO	UNSURE	N/A
11.	Does the facility comply with Kentucky's open burning regulations?	YES	PARTIALLY	NO	UNSURE	N/A
12.	Does the facility comply with the 112(r) requirements for hazardous-chemical emergency prevention and preparedness?	YES	PARTIALLY	NO	UNSURE	N/A
	Waste Management Req	<u>uiremen</u>	<u>ts</u>			
<u>Ha</u>	zardous Waste					
13.	Is the facility registered as a hazardous waste generator and does the registration list the correct waste streams?	YES	PARTIALLY	NO	UNSURE	N/A
14.	Has the facility performed a hazardous waste determination on all waste streams and have records been maintained that document the determination?	YES	PARTIALLY	NO	UNSURE	N/A
15.	Are all personnel responsible for managing hazardous waste trained in hazardous waste handling and emergency response procedures?	YES	PARTIALLY	NO	UNSURE	N/A
16.	Are all hazardous waste containers properly labeled, dated, closed, maintained in good condition, and inspected weekly?	YES	PARTIALLY	NO	UNSURE	N/A
17.	Are all hazardous wastes stored on-site for no longer than the maximum accumulation time frames?	YES	PARTIALLY	NO	UNSURE	N/A
18.	Does the facility use a registered hazardous waste transporter to ship hazardous waste off-site?	YES	PARTIALLY	NO	UNSURE	N/A
19.	Are all hazardous waste shipments documented on a Uniform Hazardous Waste Manifest and Land Disposal Restrictions (LDR) form?	YES	PARTIALLY	NO	UNSURE	N/A

20. Are all hazardous wastes shipped off-site sent to a permitted hazardous waste facility?	YES	PARTIALLY	NO	UNSURE	N/A
21. Are all records pertaining to emergency preparedness, employee training, waste shipments, annual reports, and required facility inspections maintained at the facility?	YES	PARTIALLY	NO	UNSURE	N/A
22. Does the facility have a Resource Conservation Recovery Act (RCRA) permit or interim status for all on-site treatment, storage, or disposal units?	YES	PARTIALLY	NO	UNSURE	N/A
23. Is all universal waste (batteries, pesticides, spent lamps, and thermostats) at your facility recycled?	YES	PARTIALLY	NO	UNSURE	N/A
If not, is it treated as hazardous waste?	YES	PARTIALLY	NO	UNSURE	N/A
24. Does your facility properly dispose of used oil and oil filters?	YES	PARTIALLY	NO	UNSURE	N/A
25. Has the facility registered any used-oil handling activities taking place at the facility?	YES	PARTIALLY	NO	UNSURE	N/A
Solid Waste Management					
26. Are all solid wastes shipped off-site for disposal sent to a properly permitted solid waste facility?	YES	PARTIALLY	NO	UNSURE	N/A
27. Does the facility routinely evaluate its solid waste streams to seek ways to recycle and recover materials from the waste?	YES	PARTIALLY	NO	UNSURE	N/A
28. Does the facility properly collect, document, and dispose of waste streams that have unique requirements, such as used oil, universal wastes, waste tires, or special wastes?	YES	PARTIALLY	NO	UNSURE	N/A
29. Does the facility maintain its waste disposal records?	YES	PARTIALLY	NO	UNSURE	N/A
Underground Storage Tanks					
30. Are all regulated underground storage tanks at the facility registered with the Division of Waste Management and have all annual registration fees been paid?	YES	PARTIALLY	NO	UNSURE	N/A
31. Are all underground storage tanks and their associated piping constructed of noncorrodible material or have corrosion protection?	YES	PARTIALLY	NO	UNSURE	N/A
32. Does the facility perform an approved method of release detection on its tanks and piping?	YES	PARTIALLY	NO	UNSURE	N/A

33. Does the facility have adequate overfill prevention equipment installed on its underground storage tanks?	n YES □	PARTIALLY	NO	UNSURE	N/A
34. Does the facility have adequate containment to prevent spills when the product delivery hose is attached and detached from the tank during delivery?	YES	PARTIALLY	NO	UNSURE	N/A
35. Do underground storage tanks otherwise comply with 401 KAR Chapter 42?	YES	PARTIALLY	NO	UNSURE	N/A
Water Quality Requ	<u>uirements</u>				
Wastewater Discharges					
36. If the facility discharges wastewater to the waters the Commonwealth, does the facility have a Kentucky Pollutant Discharge Elimination System (KPDES) permit?		PARTIALLY	NO	UNSURE	N/A
37. Are the facility's production, maintenance and environmental staff familiar with the requirements of the facility's KPDES permit?	YES	PARTIALLY	NO	UNSURE	N/A
38. Has the facility established quality control measures to ensure an accurate and timely submittal of Discharge Monitoring Reports (DMRs to the Division of Water?	YES G	PARTIALLY	NO	UNSURE	N/A
39. Does the facility operate and conduct maintenance in accordance with those items outlined in the Be Management Plan (BMP)?		PARTIALLY	NO	UNSURE	N/A
40. Does the facility ensure the presence of a certifie wastewater operator?	d YES	PARTIALLY	NO	UNSURE	N/A
41. If the facility discharges process wastewater to a municipal wastewater system, does the facility have a permit or has it obtained permission from the wastewater system for the discharge?	YES	PARTIALLY	NO	UNSURE	N/A
Storm Water Discharges and Spill Prevention					
42. Has the facility obtained a permit from the Divisio of Water for regulated storm water discharges?	n YES	PARTIALLY	NO	UNSURE	N/A
43. Has the facility developed and implemented a be- management plan that reduces the risk of pollution in its storm water discharges?		PARTIALLY	NO	UNSURE	N/A

44. Does the facility routinely evaluate its storm water management controls to ensure that they are properly maintained?	YES	PARTIALLY	NO	UNSURE	N/A
45. Does the facility routinely train its staff on their role in implementing the facility's best management practices and permit requirements?	YES	PARTIALLY	NO	UNSURE	N/A
46. Is each area used for loading, unloading, storing, or processing materials properly protected so that if an accidental spill occurs, it will not result in a discharge to the environment?	YES	PARTIALLY	NO	UNSURE	N/A
Groundwater Protection Plans					
47. Has the facility prepared and implemented a groundwater protection plan?	YES	PARTIALLY	NO	UNSURE	N/A
Floodplain Management					
48. Is the facility located in a floodplain?	YES	PARTIALLY	NO	UNSURE	N/A
49. Has the facility been in contact with the local flood- plain coordinator regarding local and state permitting?	YES	PARTIALLY	NO	UNSURE	N/A
<u>Wetlands</u>					
50. Does the facility engage in any activities that impact wetlands or streams?	YES	PARTIALLY	NO	UNSURE	N/A
If yes, have the proper permits been obtained?	YES	PARTIALLY	NO	UNSURE	N/A
Water Withdrawal					
51. Does the facility have a permit for water withdrawals from surface or groundwater at 10,000 gallons per day or more?	YES	PARTIALLY	NO	UNSURE	N/A

Emergency Planning Requirements

Spill Prevention Control and Countermeasures (SPCC)

52. Does the facility have an SPCC plan for aboveground storage of oil products exceeding 1,320 gallons?	YES	PARTIALLY	NO	UNSURE	N/A
Emergency Planning and Community Right to Know (EPCRA)					
53. Has the facility conducted an assessment to determine what EPCRA requirements apply?	YES	PARTIALLY	NO	UNSURE	N/A
54. Does the facility have an emergency response plan in place for chemical emergencies?	YES	PARTIALLY	NO	UNSURE	N/A
55. Does the facility know under what conditions to contact emergency response groups for a chemical spill/release?	YES	PARTIALLY	NO	UNSURE	N/A
56. Does the facility file Tier Reports?	YES	PARTIALLY	NO	UNSURE	N/A
57. Does the facility file Toxic Release Inventory Reports (TRI)?	YES	PARTIALLY	NO	UNSURE	N/A

Other Operating Practices for Successful Compliance

Irrespective of the governing program, there are key practices that can be followed to maximize a facility's compliance. Becoming familiar with these practices will assist everyone in the organization with carrying out their role in achieving and maintaining environmental compliance.

- ✓ Make sure that the proper approvals/permits/plans have been obtained for the facility.
- ✓ Properly operate and maintain the facility.
- ✓ Good housekeeping should be directly and specifically linked to environmental protection and safety.
- ✓ Implement a change management system that allows the organization to evaluate how changes in its processes can impact the facility's compliance.
- ✓ Implement Best Management Practices and review/change them as conditions change.
- ✓ Cross-reference emergency plans (security, spill, fire, earthquake, severe weather, safety, business continuity, keeping them as simple as possible (even make them one plan). Read them, train on them, use them as an aid for compliance and revise them after use with lessons learned.
- ✓ Ensure that employees are properly trained and kept current in their environmental responsibilities.
- ✓ Report in accordance with regulatory requirements for air quality, water quality and waste management.
- ✓ Provide the proper operator certification for the type of facility being operated.
- ✓ Maintain records in one place for quick accessibility.
- ✓ Be proactive instead of reactive.
- ✓ When questions arise, ask; don't assume or wait.

Comments and Observations

Use this page to record observations, issues or successes identified during the assessment.

Corrective Actions

Use this page to document any areas of concern identified during the assessment process and the corrective actions being taken to address the problem. Areas of concern can include areas of noncompliance or issues that could result in future noncompliance. This table has been created to allow documentation of the area of concern, specify how the problem is going to be corrected, identify who will be responsible for correcting the problem, and recording the date when the problem is finally resolved.

Area of Concern	Corrective Action	Person Assigned	Completion Date



Free Compliance Assistance!

502-782-6189

Did you know that the Department for Environmental Protection offers free compliance assistance? This program has already helped hundreds of entities and the service is free and available to all individuals, communities and businesses.

We want to help you succeed in achieving compliance.

If you have questions concerning your environmental requirements or our services, please contact the Environmental Compliance Assistance Program at 502-782-6189.

Other Resources for Compliance and Technical Assistance

Kentucky Division for Air Quality (Air Issues)	502-564-3999
Kentucky Division of Waste Management (Waste Issues)	502-564-6716
Kentucky Division of Water (Water Issues)	502-564-3410
Kentucky Pollution Prevention Center (Pollution Prevention)	502-852-0965