

Appendix A: EMS Audit

Mendota Mental Health Institute Power Plant

Auditor instructions:

When reviewing activities, products and services at the facilities, record potential aspects/impacts on the attached sheets.

- **Environmental aspect:** the aspect of the activities, products and services that affects the environment.
- **Environmental impact:** how the activities, products and services interact with the environment.

Environmental issues that are observed during the audit or are possible/probable in the future should be recorded in the column marked "Observations."

Use the examples below as a guide to filling out the attached sheets. For this project, activities, products and services will not include building maintenance because other divisions or departments perform these functions.

Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Floor cleaning	-Dirtied water -Used mops/brooms -Used rags -Cleaning chemicals -Water use -Floor sweepings	-Harmful chemicals, oils, and cleaners discharged to sewer could get into surface water -Landfill disposal of floor sweepings, rags, mops, used floor dry can effect groundwater -Offsite laundering of rags and mops; discharge from commercial laundry can effect surface water	-Floor below used oil tank had oil stains and old floor dry
Battery replacement	-Old batteries -Batteries changed too early	-Lead recycling via smelting can effect air and soil near smelter -Leaking acid could injure workers or damage floors	-Leaking battery acid noted beneath battery storage palettes

Identification of Environmental Aspects/Impacts

Mendota Mental Health Institute- Power Plant

Audit Date: _____

Auditor: _____

	Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Fuel Storage	Fuel delivery			
	30,000 gal. fuel tank			
	<u>Notes:</u>			
Coal Management	Storage			
	Receiving			
	Preparation for burning			
	Transfer to boilers			
	<u>Notes:</u>			

Identification of Environmental Aspects/Impacts (Continued)

Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Pumps • Oil • Gaskets			
Painting			
Welding			
Cleaning			
Insulation maintenance			
Palettes			
Sewage			
Wastes removed to storage areas			
Product storage • Location • Inventory control • Practices			
Housekeeping			

Facility Maintenance (Continued on next page)

Identification of Environmental Aspects/Impacts (Continued)

Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Floor cleaning			
Building physical condition			
Energy consumption			
<u>Notes:</u>			
Liquid collection <ul style="list-style-type: none"> • Oil • Water treatment chemicals 			
Water collection			
Maintenance			
<u>Notes:</u>			

Identification of Environmental Aspects/Impacts (Continued)

	Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Equipment Maintenance	Boiler scale cleanup • Chemical use • Scale disposal			
	Stack cleaning			
	Laboratory equipment			
	Shop rags			
	Coolant			
	Small parts cleaning			
	<u>Notes:</u>			
Drinking Water Treatment	Laboratory water testing			
	Chemical storage & dispensing			
	Water supply • Wells			
	<u>Notes:</u>			

Identification of Environmental Aspects/Impacts (Continued)

Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
Power Generation	Water use		
	Production of heat in the summer		
	Changing pressure <ul style="list-style-type: none"> • Smoke escapes 		
	Ash <ul style="list-style-type: none"> • Fly ash • Bottom ash 		
	Stack Emissions		
	Back-up generators		
	Noise		
	Solid waste		
<u>Notes:</u>			

Identification of Environmental Aspects/Impacts (Continued)

Activities, Products & Services	Aspects that Affect the Environment	Impacts on the Environment	Observations
MSDS			
Waste inventory			
Product inventory <ul style="list-style-type: none"> • Lubricants • Cleaners • Rags 			
Training			
Maintenance record			
Disposal & recycling			
Waste manifest/receipt			
<u>Notes:</u> 			

Written Procedures & Records