

Appendix D: Identifying Objectives and Targets for **MOST SIGNIFICANT** Aspects and Impacts at **MMHI Power Plant**

Activities, Products & Services	Impacts	Objectives	Targets
Waste inventory	-Extended periods of waste storage and necessity for increased waste storage space increases the risk of spills	-Develop waste inventory and train employees on its use	-Develop and train by <u>Aug 99</u> -Continue training program
Product storage	-Dangerous reaction of muratic acid with caustic soda	-Separate acid and base storage in same room and designate with signs -Daily procedure to inspect acid and base container integrity -Provide containment for caustic soda drum while it is dispensing	-Have procedure developed and physically separate acids and bases in storage by <u>6/18/99</u> -Containment for caustic: short-term
Sanitary sewer use	-Load on sanitary sewer from combined stormwater/sewage discharge	-Separate storm and sanitary sewer lines	-Separate sewer systems: long-term
Floor drain management	-Releases and spills of chemicals in drain areas could impact storm and sanitary sewers	-Purchase magnetic mats or equivalent drain protection strategically placed on wall in areas with spill potential -Oil/chemical storage areas should have covers on drains at all times	-Drain covers and/or drain plugs purchased and installed <u>Jul 99</u>
Painting	-Paint fugitive emissions in storage room	-Install flammables storage cabinet in paint storage room -Post signs in paint storage room with instructions to keep containers closed -Install ventilation -Use a covered paint brush holder to soak brushes during cleaning	-Install cabinet, post signs and use covered paint brush holder <u>Sept 99</u>

Identifying Objectives and Targets for **MOST SIGNIFICANT** Aspects and Impacts at **MMHI Power Plant** (continued)

Activities, Products & Services	Impacts	Objectives	Targets
Stack emissions	-Contribute to local and regional air quality problems	-Testing yearly for each boiler -Develop written procedure for identifying and addressing opacity problems	-Continue current procedures for testing -Develop written opacity procedures Dec 99

Identifying Objectives and Targets for **LESS SIGNIFICANT** Aspects and Impacts at **MMHI Power Plant**

Activities, Products & Services	Impacts	Objectives	Targets
Stack cleaning	<ul style="list-style-type: none"> -Fly ash disposal in landfill -Fugitive dust during loading and unloading 	<ul style="list-style-type: none"> -Build enclosure to contain ash dust during loading into trucks 	
Pumps	<ul style="list-style-type: none"> -Oil drip pans disposed of in landfill -Oil dry disposed of in landfill 	<ul style="list-style-type: none"> -Investigate the merits of recycling these two wastes 	
MSDS	<ul style="list-style-type: none"> -Availability of MSDS may influence reaction time for spills and/or leaks, thus impacting the environment and human health 	<ul style="list-style-type: none"> -Post MSDS next to the lime tank -Post MSDS higher on the wall to prevent chemical spills on them 	
Coal storage	<ul style="list-style-type: none"> -Leachate from coal pile -Runoff discharge to sanitary sewers 	<ul style="list-style-type: none"> -Minimize time spent in outside storage -Schedule deliveries before 3 p.m. -Schedule deliveries only when personnel will be available to move coal indoors quickly 	<ul style="list-style-type: none"> -Date Oct 99
Housekeeping	<ul style="list-style-type: none"> -Potential mercury contamination 	<ul style="list-style-type: none"> -Develop mercury inventory -Purchase mercury spill kit -Replace mercury switches with non-mercury alternatives 	
Floor cleaning	<ul style="list-style-type: none"> -Landfill disposal of used floor dry -Contaminants from floor may affect sanitary and storm sewers 	<ul style="list-style-type: none"> -Investigate options for recycling used oil dry 	
Insulation maintenance	<ul style="list-style-type: none"> -Air emissions from asbestos removal and disposal 	<ul style="list-style-type: none"> -Identify areas known to contain asbestos and post signs in these areas -Mark a facility blueprint with the asbestos locations 	