

MAP for the Port Inland Plant

This plan is designed to meet the requirements for a Malfunction Abatement Plan (MAP) under Mich. Admin. Code R. 336.1911.

Port Inland Kiln 1	
Plan Element	Graymont Western Lime Plan
<p>R336.1911(2)(a) – “A complete preventative maintenance program, including identification of the supervisory personnel responsible for overseeing the inspection, maintenance, and repair of air-cleaning devices, a description of the items or conditions that shall be inspected, the frequency of the inspections or repairs, and an identification of the major replacement parts that shall be maintained in inventory for quick replacement.”</p>	<p>The overall responsibility for plant operation and the preventive maintenance program lies with the Plant Manager. The air-cleaning devices, associated inspections, and preventive maintenance are detailed in the plant’s Operations, Maintenance and Monitoring (OM&M) Plan.</p> <p>The following spare dust collector parts will be maintained at the plant which are generally viewed within the industry as reasonable replacement parts to be maintained in inventory:</p> <ul style="list-style-type: none"> • Sufficient bags and suspension supplies for routine replacement. • Thermocouple • Level indicator • Diaphragm valves and solenoids • Pressure transmitter • Gear box and clutch assembly • Bearings and cams <p>The following spare opacity monitor parts will be maintained at the plant which are generally viewed within the industry as reasonable replacement parts to be maintained in inventory:</p> <ul style="list-style-type: none"> • Desiccant filter • Purge switch • Relay • Power supply board • Control module • Optical amplifier • Motherboard • Display control

	<ul style="list-style-type: none"> • Purge pump • LED source • Umbilical hose
<p>R336.1911(2)(b) – “An identification of the source and air-cleaning device operating variables that shall be monitored to detect a malfunction or failure, the normal operating range of these variables, and a description of the method of monitoring or surveillance procedures.”</p>	<p>Monitored air cleaning device operating variables include:</p> <ul style="list-style-type: none"> • Kiln stack opacity • Kiln baghouse differential pressure • Kiln baghouse inlet gas temperature • Kiln baghouse air flow <p>The descriptions of the monitoring variable are detailed in the plant’s OM&M Plan. Deviating from the indicator ranges established for these cleaning device operating variables does not necessarily mean that there was a violation of an applicable requirement. Among other things, the duration of the deviation as compared to the averaging period associated with the applicable requirement associated with the monitored indicator will provide credible evidence as to whether the applicable requirement was exceeded/violated during the event.</p>
<p>R336.1911(2)(c) – “A description of the corrective procedures or operational changes that shall be taken in the event of a malfunction or failure to achieve compliance with the applicable emission limits.”</p>	<p>Descriptions of the corrective procedures or operational changes taken in the event of a malfunction or deviation are detailed in the plant’s OM&M Plan.</p>

Pursuant to R336.1911(3), this MAP has been submitted to the department for review and approval. If, in the opinion of the department, the plan does not adequately carry out the objectives of the R3361911(1) and (2), the department may disapprove the plan, state its reasons for disapproval, and order the preparation of an amended plan within the time period specified in the order. If, within the time period specified in the order, an amended plan is submitted which, in the opinion of the department, fails to meet the objective, then the department, on its own initiative, may amend the plan to cause it to meet the objective. Within 180 days after the department approves this plan, Graymont Western Lime shall implement the Plan. See, R336.1911(4).