

Manufacturing Operations to Evaluate (Sec. 4.0 in A138.1)

Manufacturer emissions

Combustion and fuel usage

Raw goods sourcing and inventory

Outsourced manufacturing and packaging services

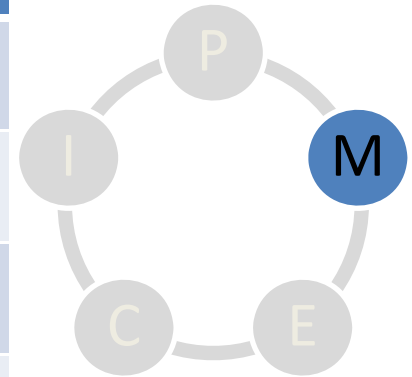
Environmental management plans and systems

Utility usage and conservation

Renewable energy usage

Manufacturing waste diversion/minimization

Shipping material waste minimization



Manufacturing Operations to Evaluate (Sec. 4.0 in A138.1)

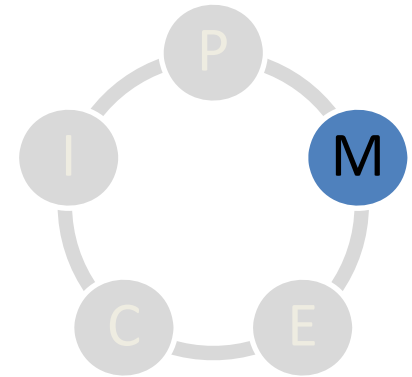
- Manufacturing Emissions

- **Mandatory:**

- No visible particulate emissions
 - Particulate emissions below listed level for all systems

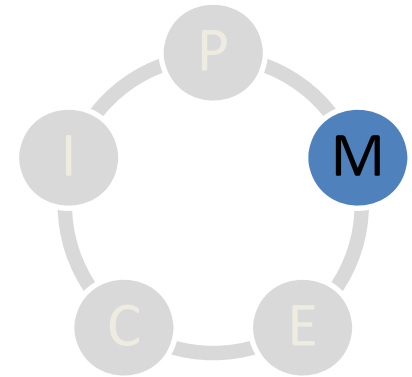
- **Electives:**

- 3 separate elective credits available for levels lower than that of the mandatory criterion



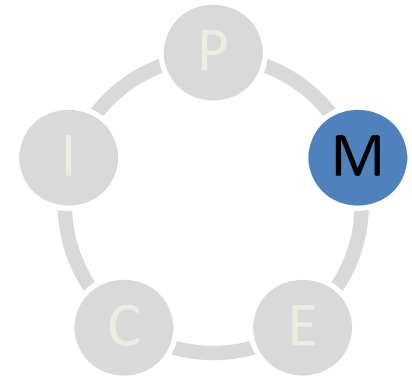
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- Combustion and Fuel Usage
 - **Mandatory:** Manufacturers only use approved fuels in combustion units: Natural gas, LP gas, or any of the Elective fuels
 - **Electives:**
 - Use of landfill gas
 - Use of bio-fuels
 - Use of low No_x burners
 - Use of acid gas controls



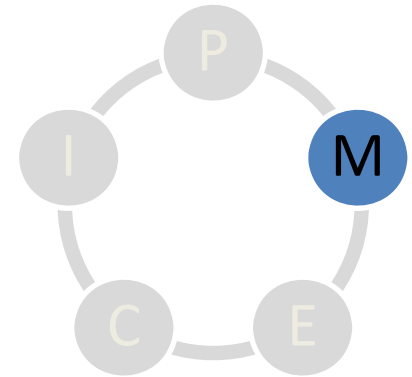
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- Raw Goods Sourcing and Inventory
 - **Mandatory:**
 - Written procurement policy for raw materials
 - List of all raw materials and ingredients
 - **Elective:** Vendor buying agreement with raw material suppliers addressing social and environmental issues
- Outsourced Manufacturing and Packaging Services
 - **Mandatory:** Written policy with suppliers of outsourced manufacturing or packaging services addressing social and environmental issues



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- Environmental Management Plans and Systems
 - **Mandatory:** Develop an Environmental Management Plan (EMP) and commit to continual improvement
 - **Elective:** Have a registered and certified Environmental Management System (EMS) policy, such as ISO 14001 certification



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- Utility Usage and Conservation

- **Mandatory:**

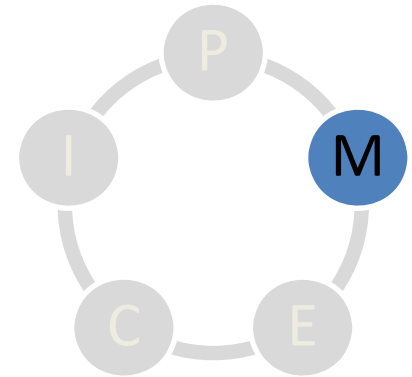
- Perform lighting audit of production facility
 - Perform heating fuel audit of production facility
 - Perform electrical audit of production facility
 - Have mechanisms in place for production water conservation

- **Electives:**

- Minimize production wastewater discharge to public works
 - Perform ASHRAE audit
 - Use of cogeneration systems for heat and power
 - Utilize heat recovery systems on production equipment

- Renewable Energy Usage

- **Elective:** Use of renewable electric or gas energy in the manufacturing process (created onsite or purchased offsite)



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- Manufacturing Waste Diversion and Minimization
 - **Mandatory:** Develop waste minimization plan in the required EMP
 - **Electives:**
 - Reuse of material otherwise destined for waste
 - Donation of functional products that would otherwise be disposed of
- Shipping Material Waste Minimization
 - **Elective:** Reuse or recycle incoming shipping materials

