

PACKED-BED SCRUBBERS OPERATION AND MAINTENANCE RECORD

This information is required by Article II, Part 55 (Air Pollution Control) of P.A. 451 of 1994, as amended, and the Federal Clean Air Act of 1990. Failure to provide this information may result in penalties and/or imprisonment.

Applicable Rule: 40 CFR Part 63, Subpart N--National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

NOTE: Affected facilities using a packed-bed scrubber to comply with the chromium emission limit must complete this form. Records must be maintained on file for five years and made available upon request for inspection by the Michigan Department of Environment, Great Lakes, and Energy.

Please print or type all information.

Owner/Operator Name and Title	Plant Name		
Street Address	City	State	Zip Code
Plant Contact Name and Title	Plant Telephone Area Code & Number		
Plant Street Address (If Different Than Owner/Operator's)	City	State	Zip Code
State Registration Number (SRN) (If Known)			

Control Device ID #	Installation Date	Date of Last Performance
Tanks Ducted to Control System		
Tank ID #	Type of Tank (i.e., hard chrome, decorative chrome or chrome anodizing)	

Inspection/Maintenance Checklist (insert inspector's initials in boxes):
 Inspections and maintenance of process tank(s), control devices and monitoring equipment should be conducted on a quarterly basis or per manufacturer's recommendations where noted. Visually inspect the packed-bed scrubber to ensure there is proper drainage, no chromic acid build up on the pads and no evidence of chemical attack on the structural integrity of the device. To ensure no breakthrough of chromic acid mist, visually inspect the back portion of the chevron blade mist eliminator. Inspect the ductwork from the tank(s) to the control device to check for leaks.

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Insert Inspector's Initials in Boxes Below Inspection Date

Control Device Inspection	Month/Day/Year	Month/Day/Year	Month/Day/Year
Inlet and Outlet Transition Zones			
Spray Nozzles			
Packed-Bed Section			
Overhead Weir			
Drain Lines			
Fan Motor			
Fan Vibration			

This is a Master Copy. Please make copies from this Master Copy.

Monitoring Equipment Inspection	Month/Day/Year	Month/Day/Year	Month/Day/Year
Pressure Lines Connected			
Pressure Drop Monitors Calibrated			
Pitot Tube ¹			

¹ Backflush with water or remove from the duct and rinse with fresh water. Replace in the duct and rotate 180° to ensure that the same zero reading is obtained. Check pitot tube ends for damage. Replace pitot tube if cracked or fatigued.

Control Device Maintenance	Month/Day/Year	Month/Day/Year	Month/Day/Year
Add Fresh Makeup Water ²			

² Add fresh makeup water to the top of the packed-bed scrubber whenever needed.

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Corrective Actions		
Maintenance performed on control equipment, process tank(s) and monitoring equipment must be documented. Record items such as type of maintenance performed and the time out of service. Be sure to include the date and initials of the person performing the maintenance.		
Date	Initials	Supervisor Informed: <input type="checkbox"/> Yes <input type="checkbox"/> No

Date	Initials	Supervisor Informed: <input type="checkbox"/> Yes <input type="checkbox"/> No

Date	Initials	Supervisor Informed: <input type="checkbox"/> Yes <input type="checkbox"/> No

Date	Initials	Supervisor Informed: <input type="checkbox"/> Yes <input type="checkbox"/> No

NOTE: This checklist contains only the minimum requirements and does not include all of the system checks that need to be performed to ensure proper operation of the control system. Facilities should incorporate information recommended by the control system vendor.

For information or assistance on this publication, please contact the Air Quality Division, through EGLE Environmental Assistance Center at 800-662-9278. This publication is available in alternative formats upon request.

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This form and its contents are subject to the Freedom of Information Act and may be released to the public.