

Overview of Changes in Air Monitoring Directive Reporting Chapter (Chapter 9)

Overview of changes from the 1989 AMD and 2006 AMD to the 2016 revision

1989 AMD	2006 AMD	2016 Revision	Changes to Requirements
III. REPORTING	2006 AMD "Purpose" section.	1.0 Introduction	Updated the purpose. Added interpretation section, guidance on the structure of the Reporting Chapter, and guidance on reporting during changes in ownership.
III. REPORTING 1989 AMD only covered industrial reporting		Part 1: Industrial Reporting	New requirements for airshed reporting and separates industry and airshed reporting requirements into two parts (Part 1 and Part 2).
III B. and C. In specific 1989 report types (excessive, monthly, annual)	Section 3.0 "Content of Environmental Monitoring Reports" and "Format of Reports".	2.0 Industrial General Reporting Requirements	Specifies common requirements across all reports. Requirements are partly based on current report formats and content requirements of the 1989 and 2006 AMD.
	Section 3.0 "Submissions of Environmental Monitoring Data and Reports" section includes requirement to electronically submit Continuous Emissions Monitoring System (CEMS) data.	3.0 Industrial Data Submission	Mostly new requirements. Updates to electronic CEMS data requirements from the 2006 AMD. Added requirement that industry must submit ambient monitoring data electronically.
III. A. Excessive Pollutant Reports		4.0 Industrial Exceedance and Performance Reporting	References the Release Reporting Regulation and Guide. Requires immediate reporting of Alberta Ambient Air Quality Objective exceedances and any issues with monitoring equipment performance. New requirement for providing monitoring data during an emergency event, if requested by Director.

1989 AMD	2006 AMD	2016 Revision	Changes to Requirements
III. B. Monthly Reports APPENDIX B-1-1 and B-4	3.1 Regular Reporting	5.0 Industrial Monthly and Quarterly Reports	Based in part on the 1989 and 2006 AMD requirements for monthly and quarterly reports. Updated to reflect modern monitoring technologies (e.g., passives, Relative Accuracy Test Audit (RATA), Cylinder Gas Audit (CGA), fugitives), specify required data summarization, and standardize monthly reporting requirements (rather than the use of sector specific reporting forms). Removes requirement to submit ambient data with the monthly report, as this data will be submitted electronically. Requires summarization of monthly monitoring via submission of Excel forms.
III. C. Annual Reports APPENDIX B-3 and B-4	3.1 Regular Reporting	6.0 Industrial Annual Reports	Based on 1989 and 2006 AMD requirements for annual reports with updates to reference modern monitoring technologies (e.g., passives, RATA, CGA, fugitives). Requires data summarization and standardizes annual reporting requirements. Requires summarization of annual monitoring via submission of Excel forms.
III. C. 4. Inventory of Sulphur Emissions III. C. 5. Inventory of Nitrogen Emissions		7.0 Industrial Emissions Inventory Reporting	New requirement to modernize emissions reporting requirements and reflect modern day emissions and related data requirements for AEP (and associated agencies). Annual emissions inventory report required if thresholds are met. Requires submission of emissions inventory data via an Excel form.
II. C. II. C. 1. II. E. II. E. 2.		8.0 Industrial Notifications	Expanded the monitoring notification requirements from the 1989 AMD to deal with all types of notifications from industry related to air monitoring and source releases and controls. Requires submission of standard notification templates.
Appendix B-2		9.0 Industrial Source Monitoring Reporting	Updated the Stack Survey Report requirements from 1989 AMD and added requirements for RATA and CGA Reports. Requires summarization of source reporting via submission of Excel forms.

1989 AMD	2006 AMD	2016 Revision	Changes to Requirements
		10.0 Industrial Supplemental Monitoring Results	New section providing requirements for submission any other air monitoring required by an approval but not covered by other requirements in the Reporting Chapter.
	Section 3.0 "Amendments to Environmental Monitoring Results"	11.0 Amendments to Industrial Reports and Data	Updates and expands on the 2006 AMD requirements to cover more types of amendments and requires the use of a standard notification template.
		Part 2: Alberta Airshed Reporting	New requirements for airshed reporting, set apart from industry reporting requirements.
	Section 3.0 "Content of Environmental Monitoring Reports" and "Format of Reports" sections	12.0 Alberta Airshed General Reporting Requirements (Note: Similar requirements as section 2.0)	Specifies common requirements across all reports, partly based on the report formats and content requirements of the 1989 and 2006 AMD.
		13.0 Alberta Airshed Data Submission (Note: Similar requirements as section 3.0)	New requirements for airshed data submission. Submission of continuous ambient data is required in real-time for any parameters submitted to Alberta's Ambient Air Quality Data Warehouse or in monthly/annual reports.
		14.0 Alberta Airshed Exceedance and Performance Reporting (Note: Similar requirements as section 4.0)	Requires immediate reporting of Alberta Ambient Air Quality Objective exceedances and any issues with monitoring equipment performance. New requirement for providing monitoring data during an emergency event, if requested by Director. References A Guide to Release Reporting for how to report.

1989 AMD	2006 AMD	2016 Revision	Changes to Requirements
	3.1 Regular Reporting	15.0 Alberta Airshed Monthly Reports (Note: Similar requirements as section 5.0)	Based in part on the 1989 and 2006 requirements for monthly reports, with updates to reference modern monitoring technologies (e.g., passives), specify required data summarization, and standardize monthly reporting requirements. Removes requirement to submit ambient data as part of the monthly report since this data will be submitted electronically. Requires summarization of monthly monitoring via submission of Excel forms.
	3.1 Regular Reporting	16.0 Alberta Airshed Annual Reports (Note: Similar requirements as section 6.0)	Based in part on the 1989 and 2006 requirements for annual reports with updates to reference modern monitoring technologies (e.g., passives), specify required data summarization, and standardize annual reporting requirements. Requires summarization of annual monitoring via submission of Excel forms.
		17.0 Alberta Airshed Notifications (Note: Similar requirements as section 8.0)	New section providing requirements for all types of notifications from airsheds related to air monitoring (e.g., new monitoring station). Requires submission of standard notification template.
	Section 3.0 "Amendments to Environmental Monitoring Results"	18.0 Amendments to Alberta Airshed Reports and Data (Note: Similar requirements as section 11.0)	Updates and expands on 2006 AMD requirements to cover more types of amendments and requires the use of a standard notification template.