

AER Enhanced Production Audit Program on PETRINEX: Declaration Theme Information

Theme	Theme Description	Control Objective	Regulatory Reference	Facility Subtypes Applicable to this Theme	Subtype Exceptions
1. Measurement System Design and Installation	Measurement system design and installation of any facility reporting to PETRINEX	Ensure that measurement systems are designed and installed in accordance with AER requirements	<i>Directive 017: Measurement Requirements for Oil and Gas Operations (Directive 017):</i> 1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
2. Measurement Device Maintenance (Calibration, Inspection, and Proving)	Maintenance and verification of all measurement devices (e.g., meters, gauge boards)	Ensure all measurement devices used to determine volumetric data are verified, calibrated, or proven using appropriate equipment and procedures in accordance with AER requirements	<i>Directive 017:</i> 2, 14	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
3. Measurement Device Operation	Operation of all measurement devices (e.g., meters, gauge boards)	Ensure all measurement devices used to determine volumetric data are operated in accordance with AER requirements	<i>Directive 017:</i> 4, 6, 9, 11, 12, 13, 14, 15	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
4. Sampling and Analysis	Sampling and analysis of gas, hydrocarbon fluids, and water	Ensure that representative samples are collected and analyzed using appropriate equipment and procedures in accordance with AER requirements	<i>Directive 017:</i> 8, 9, 11, 14, and appendices 4, 5, 7	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 504, 505, 506, 508 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	501, 508 – If the EOR approval is a water flood (refer to table 8.3 in <i>Directive 017</i>) 406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
5. Proration Testing: Oil / Bitumen / In Situ / Sulphur Reporting at Oil Sands Wells	Testing wells within oil, bitumen, in situ, and/or sulphur reporting at oil sands multiwell proration batteries	Ensure testing procedures are performed in accordance with AER proration testing requirements	<i>Directive 017:</i> 3, 4, 6, 12, 14, appendix 4	322, 342, 344, 345	
6. Proration Testing: Gas Well	Testing wells within a gas multiwell proration battery	Ensure testing procedures are performed in accordance with AER proration testing requirements	<i>Directive 017:</i> 3, 5, 7	362, 363, 364, 366, 367	

7. EFM Systems	Electronic flow measurement (EFM) systems are configured, operated, and maintained to meet minimum regulatory and manufacturer specifications	Ensure that all electronic flow measurement systems used in the determination of volumetric data are designed, installed, calibrated, and utilized in accordance with AER requirements	<i>Directive 017</i> : 2, 4, 6, 14	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility All Subtypes – Unless EFM equipment is not present at facility
8. Field Records	Maintenance and verification of all data collected during normal operating procedures	Ensure that all field records accurately reflect flow data and provide an adequate audit trail in accordance with AER requirements	<i>Directive 007: Volumetric and Infrastructure Requirements (Directive 007)</i> : 3; <i>D017</i> : 2, 4, 5, 6, 7, 8, 10, 11, 14	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
9. Trucked Volumes	Procedures for trucking of liquids	Ensure that trucking procedures are conducted in accordance with AER delivery point measurement requirements	<i>Directive 017</i> : 10	311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 506, 507, 508, 509 611, 612, 621, 622, 671, 673, 675 701 901, 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility
10. Fuel/Flare/Vent	Measurements or estimations of fuel, flared, or vented gas	Ensure that fuel/flare/vent gas volumes and activities are accurately determined in accordance with AER requirements	<i>Directive 017</i> : 1, 4, 5, 9, 10 <i>(Directive 047: Waste Reporting Requirements for Oilfield Waste Management Facilities</i> : 5), 12; <i>Directive 060: Upstream Petroleum Industry Flaring, Incinerating, and Venting</i>	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	406, 407, 671, 673, 675 – Unless facility is not receiving from or delivering to an upstream facility All Subtypes – Unless fuel/flare/vent is not occurring at facility
11. Schematic	Creation and maintenance of measurement schematics and facility delineation diagrams, if required, for all facilities reporting to PETRINEX	Ensure that representative drawings are created and maintained in accordance with AER requirements	<i>Directive 017</i> : 1	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	
12. Facility Master Data Set Up	Set up and maintenance of accurate well and facility infrastructure data	Ensure that well and facility infrastructure data is accurately set up, maintained, and reported to PETRINEX in accordance with AER requirements	<i>Directive 007</i> ; <i>Directive 017</i> : 4, 5, 6, 7, 12	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	

13. Calculation Factors	Application of calculation factors associated with oil and gas activities	Ensure that calculation factors required in the accurate reporting of volumetrics are applied in accordance with AER requirements	<i>Directive 017</i> : 4, 5, 6, 7, 8, 12, 13, 14, 15, appendix 6	311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367 401, 402, 403, 404, 405, 406, 407 501, 502, 504, 505, 506, 508 611, 612, 621, 622, 631	501, 508 – If EOR approval is a water flood 406, 407 – Unless facility is not receiving from or delivering to an upstream facility All Subtypes – Unless periodic calculation factors are not used in the determination of volumetrics
14. Monthly Volumetric Activity Reporting	Accurate determination and reporting of data to PETRINEX	Ensure that all data is accurate and reported in accordance with AER requirements	<i>Directive 007</i>	207, 208 311, 321, 322, 331, 341, 342, 343, 344, 345, 351, 361, 362, 363, 364, 365, 366, 367, 381 401, 402, 403, 404, 405, 406, 407 501, 502, 503, 504, 505, 506, 507, 508, 509 611, 612, 621, 622, 631, 632, 671, 673, 675 701 902, 903	