

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

PUBLIC SERVICE COMMISSION

GAS SAFETY

Filed with the Secretary of State on

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, 45a (6), or 48 of 1969 PA 306. Rules adopted under these sections become effective 7 days after filing with the Secretary of State.

(By authority conferred on the public service commission by section 2 of 1969 PA 165, MCL 483.152, and section 231 of 1965 PA 380, MCL 16.331, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, 2011-4, 2015-10, MCL 445.2001, MCL 445.2011, MCL 445.2025, MCL 445.2030, and MCL 460.21.)

R 460.20201, R 460.20304, R 460.20306, R 460.20308, R 460.20310, R 460.20312, R460.20313, R460.20314, R 460.20316, R 460.20319, R 460.20326, R 460.20331, R 460.20332, R 460.20407, R 460.20409, R 460.20501, R 460.20502, R 460.20503, R 460.20504, R460.20601, R 460.20602, R 460.20603, R 460.20604, R 460.20605, and R 460.20606 of the Michigan Administrative Code are amended, R 460.20317 is rescinded, and R 460.20335 and R 460.20338 are added as follows:

PART 2. SAFETY STANDARDS AND TESTING REQUIREMENTS

R 460.20201 Pipeline safety standards; adoption by reference.

Rule 201(1) Except for 49 C.F.R. §192.1, an operator shall ensure that a gas pipeline is in compliance with all of the minimum safety standards contained in 49 C.F.R. part 192 entitled “Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards,” which are adopted by reference in R 460.20606.

(2) An operator shall ensure that a pipeline ~~which~~ **that** is subject to the standards specified in subrule (1) of this rule is also in compliance with all of the additional safety standards contained in R 460.20301 to R 460.20334~~8~~.

(3) In addition to the requirements imposed by subrules (1) and (2) of this rule, an operator shall ensure that a pipeline which transports sour gas is also in compliance with the additional safety standards contained in R 460.20401 to R 460.20431.

PART 3. ADDITIONAL MINIMUM SAFETY STANDARDS

R 460.20304 Welding procedures.

Rule 304. In addition to the requirements contained in 49 C.F.R. §192.225, which is adopted by reference in R 460.20606, an operator shall ensure that a welding procedure meets all of the following requirements:

June 15, 2018

(a) Is qualified under either section IX of the ASME boiler and pressure vessel code, which is adopted by reference in R 460.20604, or section 5, **section 12 or appendix A** of API standard 1104, which is adopted by reference in R 460.20603, whichever is appropriate to the function of the weld.

(b) Is qualified under appendix B of API standard 1104, which is adopted by reference in R 460.20603, for pipelines operating at greater than 60 psig.

(c) ~~(b)~~ A copy of the welding procedure being followed is on the jobsite when welding is performed.

R 460.20306 Nondestructive testing.

Rule 306. (1) In addition to the ~~requirements in 49 C.F.R. §192.243, which is adopted by reference in R 460.20606, if~~ nondestructive testing is required under 49 C.F.R. §192.243(d), **which is adopted by reference in R 460.20606, then** an operator shall **also** ensure that 100% of each day's field butt welds are nondestructively tested over their entire circumferences in the following locations:

- (a) Regulating stations.
- (b) Measuring stations.
- (c) Compressor stations.

(2) If it is not practical to test 100% of each day's field butt welds as required by subrule (1) of this rule, then an operator shall nondestructively test ~~a random sample of not less than~~ **at least** 90% of each day's field butt welds **selected at random** ~~made~~ at the locations specified in subrule (1) of this rule.

R 460.20308 Customer meters and regulators; location.

Rule 308. The requirements contained in 49 C.F.R. §192.353, which is adopted by reference in R 460.20606, are superseded by all of the following provisions:

(a) An operator shall ~~ensure that~~ **install** a customer's meter and regulator ~~installation is located~~ outside the building, ~~or shall include an outside above grade riser, except for~~ **unless any of** the following **apply**:

(i) ~~A~~ **The** distribution system ~~that~~ operates at 10 psig or less ~~if and~~ an outside meter set assembly is not practical.

(ii) A commercial building, industrial building, or apartment building if an outside meter set assembly is not practical.

(iii) Row-type houses or houses where the proximity of adjoining buildings makes outside meter set assemblies impractical.

(b) A service line excluded under ~~subrule subdivision (1a)~~ **subdivision (1a)** of this rule ~~shall~~ **must** include an outside above grade riser, if practical.

(c) If an outside meter set assembly or an outside above grade riser is installed, then the above grade piping shall be designed to prevent an external force ~~that is~~ applied to the service line from being transferred to and damaging the inside piping.

(d) An operator shall install a meter and service regulator, whether inside or outside of a building, in a readily accessible location and shall protect the meter and regulator from corrosion and other damage. An operator shall not install a meter in a bedroom, closet, bathroom, under a combustible stairway, or in an unventilated or inaccessible place.

(e) An operator shall ensure that a service regulator installed ~~in~~ **inside** a building is located as near as practical to the point of service line entrance.

(f) An operator shall ensure that a meter installed ~~in~~ **inside** a building is located in a ventilated place not less than 3 feet from a source of ignition or heat that might damage the meter.

(g) An operator shall ensure that the upstream regulator in a series is located outside of ~~the~~ **a** building unless it is located in a separate metering or regulating building.

R 460.20310 Galvanized or aluminum pipe prohibited for direct burial or submerged use.

Rule 310. **(1)** In addition to the requirements contained in 49 C.F.R. §192.453 ~~461~~, which is adopted by reference in R 460.20606, an operator shall not utilize galvanized pipe ~~or aluminum pipe~~ for direct burial or submerged use.

(2) The requirements contained in 49 C.F.R. §192.455(e), which is adopted by reference in R 460.20606, are superseded by the requirement that an operator shall not utilize aluminum pipe for direct burial or submerged use.

R 460.20312 ~~Leak test~~ **Test** requirements; service lines **other than plastic**.

Rule 312. ~~In addition to the~~ **The** requirements contained in 49 C.F.R. §192.511 **(b) and (c)**, which is ~~are~~ adopted by reference in R 460.20606, **are superseded by the requirement that an operator shall test all service lines, other than plastic service lines, at the leak test pressures prescribed in 49 C.F.R. §192.511, which is adopted by reference in R 460.20606, to a minimum pressure of 90 psig, but not less than 150% of the maximum allowable operating pressure, for not less than 10 minutes. Each segment of a steel service line stressed to 20% or more of specified minimum yield strength must still be tested in accordance with 49 C.F.R. § 192.507, which is adopted by reference in R 460.20606.**

R 460.20313 ~~Strength test~~ **Minimum test duration** requirements; plastic pipelines.

Rule 313. In addition to the requirements contained in 49 C.F.R. §192.513, which is adopted by reference in R 460.20606, an operator shall ~~maintain the test pressure at or above the test pressure requirement for the pipeline being tested for not less than 1 hour. However, an operator shall test a relatively short segment for not less than 30 minutes, except as provided in R 460.20311.~~ **test plastic pipelines according to all the following:**

(a) Except for plastic service lines, the test must be maintained at or above the pressure requirement for not less than one hour. However, an operator may test a relatively short segment for not less than 30 minutes.

(b) All plastic service lines must be pressure tested for not less than 10 minutes.

R 460.20314 Test records.

Rule 314. In addition to the requirements contained in 49 C.F.R. §192.517 **(a)**, which is adopted by reference in R 460.20606, an operator shall retain the following test record information:

(a) The proposed maximum **allowable** operating pressure of the pipeline.

(b) Except for distribution facilities, The-the existing class location ~~existing at the time of the test~~ of the area in which the pipeline is **will be located installed**.

(c) The date the test was performed.

R 460.20316 Leakage survey **and repair requirement before uprating** ~~required in addition to requirements in 49 C.F.R. § 192.555(b)(2).~~

Rule 316. (1) In addition to the requirements contained in 49 C.F.R. § 192.555(b)(2) which is adopted by reference in R 460.20606, an operator shall ~~make~~ **conduct** a leakage survey and repair all leaks found before the operator ~~subjects~~ **begins uprating** any segment of a steel pipeline to an operating pressure that will produce a hoop stress of 30% or more of the specified minimum yield strength for the pipeline.

(2) The provisions contained in 49 C.F.R. § 192.557(b)(2), which is adopted by reference in R 460.20606, are superseded by the requirement that before an operator begins uprating any segment of a steel pipeline to an operating pressure that will produce a hoop stress of less than 30% of the specified minimum yield strength, a leakage survey must be conducted and all leaks found shall be repaired.

~~R 460.20317 Provisions of 49 C.F.R. § 192.557(b)(2) superseded by leakage survey and repair requirement. Rescinded.~~

~~Rule 317. The provisions contained in 49 C.F.R. § 192.557(b)(2), which is adopted by reference in R 460.20606, are superseded by the requirement in R 460.20316 that a leakage survey be conducted and that all leaks found be repaired.~~

R 460.20319 Filing of operation and maintenance manual with commission **staff** required.

Rule 319. In addition to the requirements contained in 49 C.F.R. § 192.605, which is adopted by reference in R 460.20606, an operator shall file the operation and maintenance manual required by 49 C.F.R. § 192.605 with the commission **staff** in paper or electronic form. The operation and maintenance manual ~~shall~~ **must** include procedures that address both the federal rules and the rules contained in the Michigan gas safety standards. An operator shall file a change in the operation and maintenance manual with the commission **staff** within 90 calendar days after the change is made. An operator shall identify the specific changes.

R 460.20326 Transmission lines; permanent field repair of leaks.

Rule 326. (1) ~~In accordance with the~~ **The** requirements contained in 49 C.F.R. § 192.717(b)(3), which is adopted by reference in R 460.20606, **are superseded by the requirement that** an operator shall **not** repair a leak that is due to a corrosion pit or that occurs in a transmission **pipeline that is joined by mechanical couplings and that operates at less than 40% of the specified minimum yield strength of the pipeline by through the use of a welded patch.** ~~through any of the following procedures:~~

- ~~—(a) The methodology set forth in 49 C.F.R. § 192.717(a).~~
- ~~—(b) The methodology set forth in 49 C.F.R. § 192.717(b)(1).~~
- ~~—(c) The methodology set forth in 49 C.F.R. § 192.717(b)(2).~~

(2) The requirements of 49 C.F.R. § 192.711(c) are superseded by the requirement that ~~An~~ **an** operator shall not repair a leak described in subrule (1) of this rule through **the** use of a ~~fillet~~ welded patch.

R 460.20331 Caulked bell and spigot joints.

Rule 331. ~~In addition to the~~ **The requirements contained in 49 C.F.R. §192.753(a), which is adopted by reference in R 460.20606, are superseded by the following:**

(a) ~~an~~ **An operator shall seal a cast-iron, caulked bell and spigot joint subject to pressures of more than 10 psig with either of the following:**

(ai) A mechanical leak clamp.

(bii) A material or device that has all of the following characteristics:

(iA) Does not reduce the flexibility of the joint.

(iiB) Permanently bonds, either chemically or mechanically, or both, with the bell and spigot metal surfaces or adjacent pipe metal surfaces.

(iiiC) Seals and bonds in a manner that meets the strength, environmental, and chemical compatibility requirements of 49 C.F.R. §192.53 and 49 C.F.R. §192.143, which are adopted by reference in R 460.20606.

R 460.20332 Discontinuation of inactive service lines.

Rule 332. (1) In addition to complying with the requirements contained in 49 C.F.R. § 192.727, which is adopted by reference in R 460.20606, an operator **shall**, within 9 months **after a service line becomes inactive**, ~~of October 15, 2014,~~ **shall** discontinue gas service for any inactive service line with components located inside a structure pursuant to the methods specified in either of the following regulations:

(i) In accordance with 49 C.F.R. § 192.727(d)(1) and (d)(2).

(ii) In accordance with 49 C.F.R. § 192.727(d)(3) by physically disconnecting the service line outside the building.

(2) As used in subrule (1) of this rule, “inactive service line” means a service line where there has been no customer of record for a continuous 24-month period and gas service to the premises has not been discontinued.

R 460.20335 Master meter systems.

Rule 335. (1) The definition of “master meter system” contained in 49 C.F.R. §191.3, which is adopted by reference in R 460.20606, is superseded by the following:

(a) As used in these rules, “master meter system” means a distribution pipeline system that receives metered gas from an outside source and that is used for distributing gas within a definable area, including but not limited to, a mobile home park, vacation rental housing complex, apartment complex, college campus, or prison. The master meter system supplies the ultimate consumer of the gas whether the gas is purchased or supplied at no cost.

(b) As used in this rule, “distribution pipeline system” means a system of main and service lines including all parts of those physical facilities through which gas moves in transportation, including but not limited to, pipe, valves, and other appurtenance attached to pipe, metering stations, regulator stations, delivery stations, holders, and fabricated assemblies. The distribution pipeline system ends at the outlet of the sub-meter, the outlet of the service regulator, or the building wall, whichever is furthest downstream.

(c) As used in this rule, “ultimate consumer” means a third-party end-user occupying an area containing distribution piping from the distribution pipeline system who routinely consumes gas from the system.

(d) As used in this rule, “sub-meter” means 1 of 2 or more meters for measuring different sections of gas supply that is located downstream from a master meter.

(2) An operator shall not supply gas to any new master meter system established on or after January 1, 2019 unless the commission has provided a waiver.

(3) The design, construction, inspection, and testing of additions to existing master meter systems are the responsibility of the operator with the direct costs paid by the owner, unless the commission has provided a waiver.

(4) Unless the commission has provided a waiver, for master meter systems that were established before January 1, 2019, an operator shall make efforts to negotiate an operations and maintenance agreement with the master meter system owner that ensures compliance with all applicable requirements of the gas safety standards for that system. The direct cost to the operator for services performed under this agreement, including an appropriate administrative overhead, may be charged to the owner of the master meter system. The monthly charge per service line must not exceed the residential meter charge or customer charge included in the operator’s tariffs on January 1, 2018. An operator shall apply for any necessary waivers under this subrule by January 1, 2020.

(5) Beginning March 15, 2019, all operators shall provide an annual report to the commission describing the location, type of facility served, number of services at each known master meter system in service at the end of the previous calendar year, and the names and contact information for all known master meter system owners with whom the operator is unable to execute an operations and maintenance contract.

R 460.20338 Farm taps.

Rule 338. (1) As used in this rule, “farm tap” means a distribution line directly connected to a production, gathering, or transmission pipeline not operated as part of a distribution system, or to a natural gas producing well, compressor station, or gas processing facility that delivers gas to a landowner or occupant.

(2) Effective January 1, 2019, an operator shall not construct any new farm taps unless all of the following apply:

- (a) The operator is a public utility as defined in section 1 of 1972 PA 299, MCL 460.111.
- (b) The farm tap complies with all of the requirements of the gas safety standards, and
- (c) The gas supplied meets the requirements for gas quality set forth in part 8 of the technical standards for gas service, R 460.2381 and R 460.2382.

(3) This rule does not apply to domestic wells. As used in this rule, “domestic well” means a well that produces gas and that is owned by the owner of the surface estate on which the well is located and that is used only to provide gas for the owner’s domestic use.

(4) Beginning March 15, 2019, all operators supplying gas to 1 or more farm taps shall provide an annual report on the status of farm taps connected to the operator’s facilities. The report must include the location of each farm tap connection, safety equipment installed on each connection, and the source of gas supply. This reporting requirement does not apply to farm taps connected to transmission pipelines operated by distribution utilities.

PART 4. SOUR GAS PIPELINES

R 460.20407 Sectionalizing block valves.

Rule 407. In addition to the requirements in 49 C.F.R. §192.179, which is adopted by reference in R 460.20606, an operator of pipeline facilities used in the transportation of sour gas shall comply with all of the following requirements for any portion of the pipeline that contains more than 10 pounds of H₂S per mile, with the weight calculated according to the formula: $W=0.0933 (P)(V)(MW)(H)/T$,

$$W=9.318 \times 10^{-8} \frac{P \times V \times M \times H}{T}, \text{ where:}$$

W=Weight of H₂S in pounds per mile of pipe,

P=Absolute pressure in pounds per square inch,

V=Volume of one mile of pipe in cubic feet,

~~mw~~M=Molecular weight of ~~natural~~the gas in grams per mole,

H=Percentage Quantity of H₂S in the gas in parts per million, and

T=Temperature in degrees Rankine;

(a) Sectionalizing block valves ~~shall~~ **must** be installed and located so that each point on the pipeline is within 3 miles of a sectionalizing block valve with a block valve located at each end of the pipeline.

(b) A pipeline ~~shall~~ **must** incorporate block valve automation so that block valves will automatically close upon the registering of low pressure readings. The system ~~shall~~ **must** be designed to operate even in the event of a power failure or malfunction of electronic devices and ~~shall~~ **must** be designed to fail in a closed position.

(c) A pipeline ~~shall~~ **must** incorporate a supervisory control and data acquisitions (SCADA) system that complies with all of the following provisions:

(i) Is monitored by the operator to ensure appropriate response to emergencies.

(ii) Is programmed to automatically close block valves based on operating data gathered at each metering site and at each automated block valve.

(iii) Automatically closes the upstream and downstream sectionalizing block valves surrounding any sectionalizing block valve that is in an alarm condition.

(iv) Allows the operator monitoring the SCADA system to close, but not open, any or all of the block valves and metering points.

(d) H₂S sensors ~~shall~~ **must** be located at all sectionalizing block valve sites. The sensors ~~shall~~ **must** provide a warning to the SCADA system at H₂S levels of 10 ppm and shall close the block valve at H₂S levels of 30 ppm.

(e) Control valves ~~shall~~ **must** be installed at appropriate locations at well sites or laterals to automatically shut off the flow of gas into the pipeline in the event of a line break or over pressure conditions.

R 460.20409 Inspection and testing of welds.

Rule 409. In addition to the requirements set forth in 49 C.F.R. §192.241(b), which is adopted by reference in R 460.20606, an operator of pipeline facilities used in the transportation of sour

gas shall engage in nondestructive testing of 100% of all girth butt welds. Nondestructive testing of welds shall be performed by any process that clearly indicates all defects in the welds.

PART 5. RECORDS AND REPORTS

R 460.20501 Records.

(1) An operator shall maintain the information generated by any recordkeeping requirement in these rules within the state at the operating headquarters office of each service area and shall make the information available to the commission and its staff for inspection and copying upon request.

(2) An operator shall maintain all of the following additional records:

(a) Maps and records showing the locations of pipelines and service lines, including lines that have been abandoned but not removed.

(b) An up-to-date schematic drawing of station piping, which shall be available at each aboveground pressure-regulating station containing buried station components.

(3) In addition to the requirements contained in 49 C.F.R. §192.603(b), which is adopted by reference in R 460.20606, an operator shall establish and maintain records, make reports, and record such information as may be reasonably required to demonstrate that the operator has acted or is acting in compliance with these rules and 49 C.F.R. Part 192. The operator shall maintain these records and reports for the time periods prescribed in 49 C.F.R. Part 192; for a minimum of 2 inspection cycles, if applicable; or for a minimum of 5 years, whichever is longer.

R 460.20502 ~~Reports~~ Construction filings and reports.

Rule 502. (1) **In addition to the requirements contained in 49 C.F.R. § 191.22, which is adopted by reference in R 460.20606, An** an operator or other person proposing to construct a gas transmission line pipeline or gas pipeline facility ~~wherein the maximum operating pressure will result in a hoop stress of 30% or more of specified minimum yield strength, or to construct any gas metering or regulating facility, gas treatment plant, gas production plant, or gas compressor station connected to, and forming part of, such transmission line shall;~~ **notify the commission staff** not less than 60 days before ~~any starting construction, file all of the following data with the commission~~ **begins:**

(a) Construction or any planned rehabilitation, replacement, modification, upgrade, uprate, or update of a facility, other than a section of line pipe, that costs \$1 million or more.

(b) Construction of any of the following gas facilities connected to a transmission pipeline system:

(i) Metering station.

(ii) Regulating station.

(iii) Treatment plant.

(iv) **Production plant.**

(v) **Compressor unit.**

(c) **Construction of a gas transmission pipeline wherein the maximum allowable operating pressure will result in a hoop stress of 30% or more of the specified minimum yield strength.**

(d) **Construction of 1 or more miles of contiguous new or replacement pipeline, excluding the length associated with service lines.**

(2) As part of the notification required under subrule (1)(a) to (c) of this rule, an operator or other person proposing to construct a gas pipeline or gas pipeline facility shall file all of the following before construction begins:

(a) A **facility schematic or map** showing the proposed route of the line on a scale not less than 3/8 of an inch to 1 mile.

(b) Engineering specifications covering design, construction, materials, and testing and operating pressures.

(c) Certification that the facilities will be in compliance with these rules.

(3) As part of the notification required under subrule (1)(d) of this rule, an operator or other person proposing to construct a gas pipeline shall comply with the requirements in subrule (2) upon request.

(24) An application ~~for a certificate of public convenience and necessity~~ filed under 1929 PA 9, MCL 483.101 ~~et seq.~~ to 483.120, 1929 PA 69, MCL 460.501 to 460.506, 1923 PA 238, MCL 486.251 to MCL 486.255, or pursuant to a commission order meets the requirements of subrules (1) and (2) of this rule.

~~(35) Except for distribution facilities, Within~~ **within** 60 days following the completion of construction and testing of facilities covered by subrules (1), ~~and (2), and (3)~~ of this rule, an operator shall file a report with the commission **containing the information required under 49 C.F.R. § 192.517, adopted by reference in R 460.20606 of these rules, and R 460.20314, giving details of the test pressures applied and the dates of the tests, the results of the tests, including leaks and failures, and a route map of the "as-built" facility pipeline.**

(6) If notification under subrule (1) of this rule is not possible due to an emergency, an operator shall notify the commission staff as soon as feasible.

R 460.20503 Reports of incidents; telephonic notice to the commission **staff**.

Rule 503. (1) At the earliest practicable moment following discovery, an operator shall give notice to the commission staff of any of the following situations:

(a) An incident that is reportable pursuant to 49 C.F.R. §191.5, which is adopted by reference in R 460.20606.

(b) An event resulting in estimated property damage of \$10,000.00 or more including loss to the operator and others, or both, but excluding the cost of gas lost. As used in this subdivision, an "event" means on or relating to an operator's facilities that may or may not involve a release of gas.

(c) An event resulting in the loss of service to more than 100 customers.

(d) An event involving a customer's gas facility that results in a fatality or an explosion causing structural damage.

~~(e) An event that receives or is likely to receive extensive news coverage or is significant in the~~

judgment of the operator, even though it did not meet the criteria of subdivisions (a), (b), (c), or (d) of this subrule. This subdivision is not subject to the penalty provisions of section 11 of 1969 PA 165, MCL 483.161.

(fe) An event resulting in an unintentional release of gas estimated by the operator to be gas loss of 1 million cubic feet or more or an unintentional activation of an emergency shutdown system of any portion of a compressor station involving the release of gas.

(f) An event that causes the pressure of any portion of a distribution system to rise above its maximum allowable operating pressure plus the build-up allowed for operation of pressure limiting or control devices.

(g) An event that receives or is likely to receive extensive news coverage or is significant in the judgment of the operator, even though it did not meet the criteria of subdivision (a), (b), (c), (d), (e) or (f) of this subrule. This subdivision is not subject to the penalty provisions of section 11 of 1969 PA 165, MCL 483.161.

(2) If additional information is received by the operator after the initial report that indicates a different cause, more serious injury, or more serious property damage than was initially reported, then the operator shall make a supplemental telephone report to the commission staff as soon as practicable.

(3) When requested by the commission staff, an operator shall supplement a report made in accordance with subrule (1) of this rule within a reasonable time, with a written report giving full details, such as the cause of the incident or occurrence, the extent of injuries or damage, and the steps taken, if any, to prevent a recurrence of the incident or occurrence.

R 460.20504 ~~Address for written~~ Reports.

Rule 504. (1) An operator shall concurrently submit a written report that is required to be filed with any federal agency by 49 C.F.R. §§191.9, 191.11, 191.13, 191.15, 191.17, 191.23, or 191.25, which are adopted by reference in R 460.20606, to the commission at P.O. Box 30221, Lansing, Michigan 48909-0221 or at MPSC-Operations@michigan.gov.

(2) An operator required to submit an annual report in accordance with 49 C.F.R. §191.11 and 49 C.F.R. §191.17, which are adopted by reference in R 460.20606 of these rules, shall also submit a supplemental report to the commission staff. In the supplemental report, the operator shall subdivide the information in the reports required under 49 C.F.R. §191.11 and 49 C.F.R. §191.17 into specific regions identified by the commission staff. The staff shall identify and communicate these regions to the operator by the end of the calendar year for which the reports are being submitted. For the purpose of this rule, “regions” are defined as geographical, operational, or functional areas of the operator’s system. These supplemental reports are to be submitted no later than the dates required in 49 C.F.R. §191.11 and 49 C.F.R. §191.17 and in a similar format.

PART 6. ADOPTION OF STANDARDS

R 460.20601 Adoption by reference.

Rule 601. (1) The publications listed in R 460.20603 to R 460.20606 are adopted by reference and are a part of these rules, except where they are inconsistent with these rules. Publications identified as published by a specific organization are available from the organization at the addresses specified in R 460.20602. The public service commission also has copies of the

publications available for inspection and distribution at cost at its offices located at ~~6545 Mercantile Way~~ **7109 W. Saginaw Hwy.**, Lansing, Michigan 48914**7-1120**. The mailing address is Michigan Public Service Commission, P.O. Box 30221, Lansing, Michigan 48909-**0221**.

(2) The numbers in parentheses following the publications adopted by reference indicate the applicable editions.

R 460.20602 Names, addresses, and phone numbers of organizations.

Rule 602. The names, addresses, and phone numbers of organizations that sponsor or publish documents that have been adopted by reference in these rules are as follows:

(a) American Petroleum Institute (API), 1220 L Street, NW, Washington, DC 20005, (~~(202)~~ - 682-8000).

(b) American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, New York, 10016-5990, (~~(212)~~-591-7000) or (~~(800)~~-843-2763), or contact its publishing division, 22 Law Drive, P.O. Box 2900, Fairfield, New Jersey, 07007, (~~(973)~~- 882-1167).

(c) National Association of Corrosion Engineers International (NACE), 1400 South Creek Drive, Houston, Texas 77084-4906, (~~(281)~~- 228-6200) or (~~(800)~~ 797-6223).

(d) U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA), East Building, 2nd Floor, 1200 New Jersey Ave., SE, Washington, D.C., 20590, (~~(202)~~- 366-4433). To order a standard published in the Code of Federal Regulations (C.F.R.), contact the Government Printing Office, Superintendent of Documents, Attention: New Orders, P.O.Box 371954, Pittsburgh, PA 15250-7954, (~~(202)~~-512-1803), or visit the website at bookstore.gpo.gov.

R 460.20603 American petroleum institute standard; adoption by reference.

Rule 603. The following American petroleum institute standard is adopted by reference in these rules and is available at the price listed:

API standard 1104 titled “Welding of Pipelines and Related Facilities,” (20th edition, **October 2007-2005**, including errata 1 (2007) and errata 2 (2008)), at a cost as of the time of adoption of these rules of ~~\$295.00~~ **345.00**. **Registered and authorized representatives of regulated pipeline operators may also view this edition of API standard 1104 without charge at the API website at www.api.org.**

R 460.20604 American society of mechanical engineers standard; adoption by reference.

Rule 604. The following American society of mechanical engineers standard is adopted by reference in these rules and is available at the price listed:

ASME boiler and pressure vessel code, section IX, titled “**Qualification Standard for Welding and Brazing Procedures, Welders, Brazers, and Welding and Brazing Operators**” (2007 edition, July 1, 2007), at a cost as of the time of adoption of these rules of ~~\$440.00~~**495.00**.

R 460.20605 National association of corrosion engineers international standard; adoption by reference.

Rule 605. The following national association of corrosion engineers international standard is adopted by reference in these rules and is available at the price listed:

NACE MR0175/ISO 15156, ~~2009~~ **2015**, titled “Petroleum and natural gas industries – ~~materials~~

Materials for use in H₂S-containing environments in oil and gas production” at a cost as of the time of adoption of these rules of ~~\$242.00~~ **255.00**.

R 460.20606 Pipeline and hazardous materials safety administration standards; adoption by reference.

Rule 606. (1) The following pipeline and hazardous materials safety administration standard is adopted by reference in these rules and may be ordered from the U.S. government printing office via the internet at <http://bookstore.gpo.gov> at a cost at the time of adoption of these rules at the price listed. The standard is also available for public inspection and distribution at the price listed from the Michigan Public Service Commission, 7109 W. Saginaw Highway, Lansing, MI 48917: 49 C.F.R. part 40 entitled “Procedures for Transportation Workplace Drug and Alcohol Testing Programs,” (~~2009~~ **October 1, 2017** edition), at a cost as of the time of adoption of these rules of ~~\$60.00~~ **66.00**.

(2) The following office of pipeline and hazardous materials safety administration standards are adopted by reference in these rules and may be ordered from the U.S. government printing office via the internet at <http://bookstore.gpo.gov> at a cost at the time of adoption of these rules of ~~\$23.00~~ **70.00** for a single volume that contains all of the standards. The standards are also available for public inspection and distribution at the price listed from the Michigan Public Service Commission, 7109 W. Saginaw Highway, Lansing, MI 48917:

(a) 49 C.F.R. part 191 entitled “Transportation of Natural and Other Gas by Pipeline: Annual Reports, Incident Reports, and Safety-related Condition Reports,” (~~2014~~ **October 1, 2017** ~~or 2013~~ edition ~~and all additional final rule changes through October 1, 2014~~).

(b) 49 C.F.R. part 192 entitled “Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards,” (~~2014~~ **October 1, 2017** edition ~~or 2013~~ edition ~~and all additional final rule changes through October 1, 2014~~).

(c) 49 C.F.R. part 199 entitled “Drug and Alcohol Testing,” (~~2014~~ **October 1, 2017** edition ~~or 2013~~ edition ~~and all additional final rule changes through October 1, 2014~~).