

TR 22-22 – Type C and R Gathering Lines

TR Number	2022-22
Primary Reference	192.9(f)(1)
Secondary Reference	192.8(c)
Purpose	To review and revise GM to address identification of Type C gathering lines by Method 1 or Method 2.
Origin/Rationale	As the AHTG examined the purpose of TR 22-07, the Type C gathering line method of regulatory determination need to be addressed quickly to assist operators in identification of the endpoints. By splitting off the determination of Type requirements, GM can be provided more quickly. The creation of this TR will require a change in the scope of TR 22-07.
Assigned to	O&M/OQ TG

Note: Revisions are shown in **yellow highlight** and **red font**.

Section 192.8

1 DEFINITION...

2 TYPE OF GATHERING LINE

After identifying a gathering line, the operator of an onshore gathering line is required to determine whether the gathering line is Type A, Type B, Type C, or Type R ~~or not regulated~~-(see §192.8(a)).

~~(a)~~ All offshore gathering lines are regulated (see §192.9(b)); ~~they are not classified by Type.~~

~~(b)~~ ~~All segments of an onshore gathering lines that operates in a Class 1 location, regardless of pressure, is not regulated unless it is part of a safety buffer for a Type B gathering line (see §192.8(b)).~~

2.1 Type A gathering line. ...

2.2 Type B gathering line.

(a) A Type B gathering line is one that meets both of the following conditions.

(1) Condition 1 - Material and MAOP.

(i) A steel pipeline where the MAOP is less than 20% SMYS, or

(ii) A non-metallic pipeline (e.g., plastic, ~~or~~ fiberglass) where the MAOP is equal to or less than 125 psig.

(2) Condition 2 - Class location.

(i) A pipeline that lies within a Class 3 or Class 4 location (if so, it is considered an "Area 1" under §192.8(b)), or

(ii) A pipeline that lies within a Class 2 location that the operator determines by choosing any one of the following three methods (if so, it is considered an "Area 2(a)," "Area 2(b)," or "Area 2(c)" under §192.8(b)).

(A) A Class 2 location (Area 2(a)).

(B) An area extending 150 feet on each side of the centerline of any continuous 1 mile of pipeline that includes more than 10 but fewer than 46 dwellings, plus a safety buffer (Area 2(b)).

(C) An area extending 150 feet on each side of the centerline of any continuous 1,000 feet of pipeline and including 5 or more dwellings, plus a safety buffer (Area 2(c)).

(b) **Regulated** Type B, Area 2 gathering line safetybuffer.

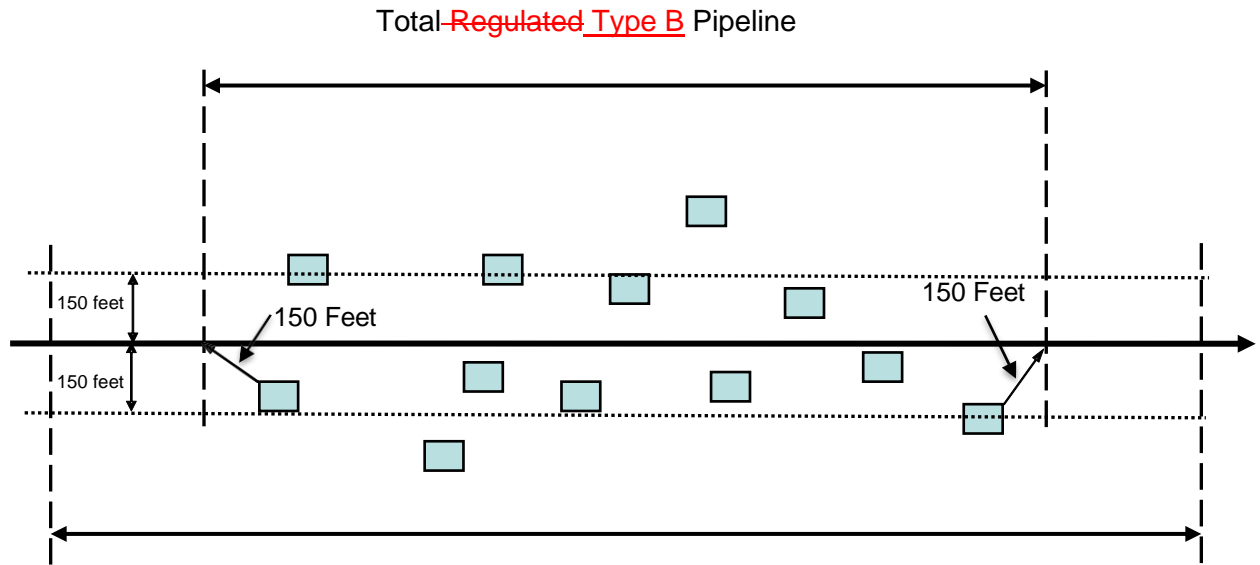
After determining that the gathering line is a Type B, Area 2(b) or (c), the safety buffer is a length of pipeline that extends upstream and downstream from the area

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to a point where the line is at least 150 feet from the nearest dwelling in the area. However, if a cluster of dwellings in the area qualifies a line as a Type B gathering line, the Type B classification ends 150 feet from the outermost dwellings in the cluster.

Note: The safety buffer could possibly extend into a Class 1 location.

- (c) Examples of Area 2(b) and (c) length determinations.
- (1) Area 2(b) example. In Figure 192.8A, the length of the **regulated Type B** segment is determined using the sliding mile method. This is similar to a typical class location survey, with the exception that 150 feet is used instead of 660 feet on either side of the centerline of the pipe. The length of **regulated Type B** pipe can be adjusted shorter or longer depending on the locations of the dwellings within the mile.



1 Mile
FIGURE 192.8A

- (2) Area 2(c) example. In Figure 192.8B, Segment A contains 5 houses within the 1000-foot segment. After sliding the 1000-foot corridor to the next dwelling unit, it is determined that Segment B also contains 5 houses within the required 1000 feet. Sliding the 1000-foot corridor to the next dwelling unit, two houses drop out of the corridor and there are not enough houses in Segment C to cause this segment to be **regulated Type B**. Therefore, the **regulated Type B** segment begins 150 feet from the upstream side of the first house in Segment A and ends 150 feet from the (downstream side of the sixth house).

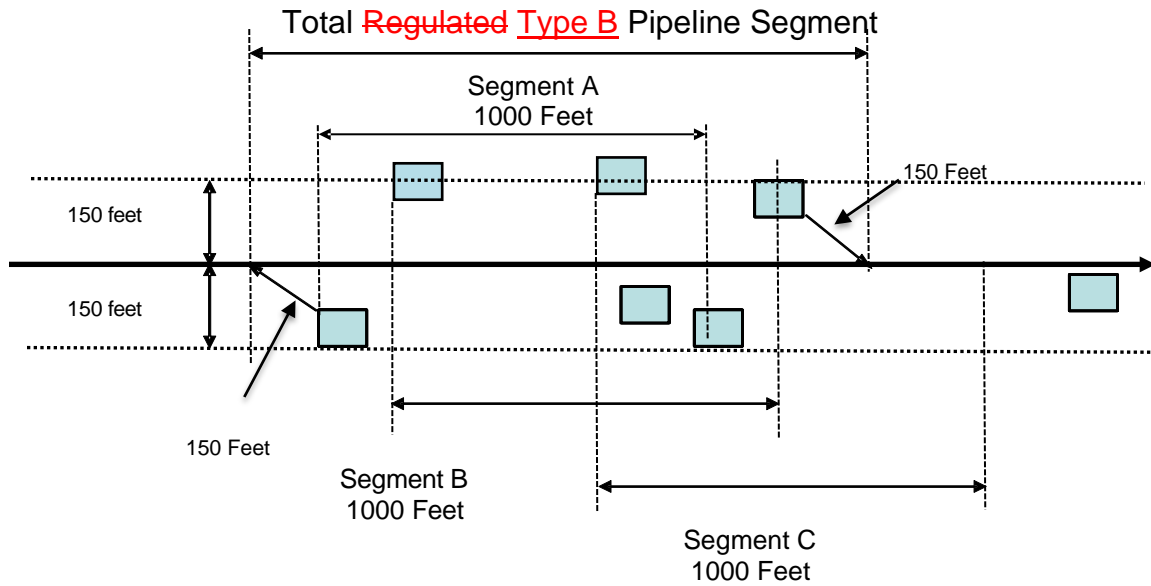


FIGURE 192.8B

2.3 Type C gathering line.

- (a) A Type C gathering line has an outer diameter equal to or greater than 8.625 inches and is located in a Class 1 location to which either of the following conditions apply.
- (1) A non-metallic line (e.g., plastic, fiberglass composite pipe) where the MAOP is greater than 125 psig.
 - (2) A steel line where the MAOP is equal to or greater than 20% SMYS.
 - (3) A steel line with an unknown stress level and the MAOP is greater than 125 psig.
- (b) Type C gathering lines are subject to the requirements of §192.9(e).
- ~~(c) For determining end points of Type C segments, see guide material under §192.9(f).~~

2.4 Type R gathering line.

- (a) Gathering pipeline segments not determined to be Type A, B, or C are Type R.
- (b) Type R gathering lines are defined in §192.8, but are not subject to other Part 192 requirements.
- (c) Gathering lines that operate at less than 0 psig are Type R lines.
- (d) See guide material under Part 191 for Type R requirements.

2.35 Gathering lines in inlets of Gulf of Mexico that are not regulated.

- ~~(a) A gathering line is not regulated if any one of the following applies.~~
- ~~(1) Operates at less than 0 psig (§192.1(b)(4)(i)).~~
 - ~~(2) Lies in a Class 1 location (§192.8), unless included in a safety buffer.~~
 - ~~(3) Is a Type B gathering line within a Class 2 location where the operator uses the optional methodology for either Area 2(b) or Area 2(c) and the number of dwellings is below the minimum criteria.~~
 - ~~(i) The operator may choose to use method 2(a), 2(b), or 2(c). If the operator determines, by using any of the three methods, that an onshore gathering line or a segment of an onshore gathering line is not regulated, no further action is required.~~
 - ~~(ii) The operator may use one method for an onshore gathering line or a segment of an onshore gathering line and then use a different method for another onshore gathering line or segment of an onshore gathering line.~~
- ~~Note: Operators should retain records of the determination process used and the conclusions reached.~~
- ~~(b) An onshore gathering line within the inlets of the Gulf of Mexico is not required to meet any requirements, except for those addressed in §192.612 (see §192.1(b)(4)(iii)).~~

2.6 Recordkeeping.

To document the gathering line beginning and endpoints, use the class location and the following items:

- (a) Materials.
- (1) For steel lines.
 - (i) Grade (specified minimum yield strength). If grade is unknown, use the default of 24,000 psi per §192.107(b)(2).
 - (ii) Wall thickness.
 - (iii) Nominal diameter.
 - (2) For non-metallic lines.
 - (i) Material (e.g., PE, PA, composite).
 - (ii) Diameter.
 - (iii) Standard Dimension Ratio (SDR) or other known pipe characteristics.
- (b) Maximum Allowable Operating Pressure (MAOP).
- (1) MAOP is not required to be determined for Type C lines with an outer diameter less than or equal to 12.75 inches.
 - (2) MAOP is required to be determined by §192.619(a) or (c) for Type C lines with an outer diameter greater than 12.75 inches (§192.9(cc)(2)(ii)).

- (c) Examples of documentation could be the following.
 - (1) Electronic mapping.
 - (2) Paper mapping.
 - (3) GPS locations.
 - (4) Stationing.
 - (5) Other means that define the beginning and endpoints of the various types of segments.
- (d) Operators are required to retain records for the life of each onshore gathering line segment (§192.8(b)).

3 FLOW CHART...

{See guide material and Flow Chart in Addendum 2 – not copied here}

[Letter Ballot note: Flow Chart is not shown here since no change in this TR 22-22 to Flow Chart as revised in Addendum 2. Flow Chart is being updated for Type C and Type R in TR 22-45.]

Section 192.9

~~*This guide material is under review following Amendment 192-124 and 192-125.*~~

[Editorial note: Updated GM below to reflect revisions in Addendum 1.]

- (a) See §192.1 and §192.8(c)(3) for regulated gathering line definitions gathering lines excluded from the provisions of Part 192.
- (b) Also, see See the "Glossary of Commonly Used Terms" under §192.3 for definition of "otherwise changed."
- (c) See §192.8 for regulated gathering line definitions.
- (~~b~~ d) See Guide Material Appendix G-192-22. _