



Pipeline Safety, Permitting and Mapping Updates

January 2024











Railroad Commission of Texas | January 2024

CFR 192 Rule Changes (1 of 3)



- https://www.phmsa.dot.gov/technical-resources/pipeline/gasgathering/gas-gathering-regulatory-overview
- https://www.phmsa.dot.gov/pipeline/gas-gathering/gasgathering-fact-sheet
- https://www.phmsa.dot.gov/technical-resources/pipeline/gasgathering/gas-gathering-resources

https://www.ecfr.gov/current/title-49/subtitle-B/chapterl/subchapter-D/part-192

CFR 192 Rule Changes (2 of 3)



Pipeline Type	TX_REG
А	Υ
В	Y
С	Υ
R	Ν

49 CFR § 192.8 How are onshore gathering pipelines and regulated onshore gathering pipelines determined?

https://www.ecfr.gov/current/title-49/subtitle-B/chapterl/subchapter-D/part-192/subpart-A/section-192.8

CFR 192 Rule Changes (3 of 3)



Pipeline Type	TX_REG	Group	Mileage Fee
A	Y	А	\$20/mile
В	Y	А	\$20/mile
С	Y	А	\$20/mile
R	Ν	В	\$10/mile

16 TAC § 3.70 Pipeline Permits Required

https://texreg.sos.state.tx.us/public/readtac\$ext.TacPage?sl=R&a pp=9&p_dir=&p_rloc=&p_tloc=&p_ploc=&pg=1&p_tac=&ti=16&pt =1&ch=3&rl=70



The updated Guide to Shapefile Submissions is available for download from the RRC website at:

<u>https://www.rrc.texas.gov/pipeline-safety/permitting-and-mapping/</u>

NGG Shapefile Updates (2 of 21)



Existing shapefile attributes

≻P5 NUM ➤ T4PERMIT ≻SYS NM ➤ SUBSYS NM ➢ PLINE ID > INTERSTATE > DIAMETER > COMMODITY1 STATUS_CD
TX_REG
SYS_ID
PLS_SYSNM
QUALITY_CD
LOC_DES
T4_AMD





New shapefile attributes

> SMYS ➢ PL MAT MTL ➤ MAOP_PSIG ≻ AREA_2A ≻AREA 2B ≻AREA 2C ➢ PL TYPE



SMYS

- "Specified minimum yield strength"
- ➤ (Data Type: Float, Precision 5, Scale 2)
- The percentage of the specified minimum yield strength (SMYS). This percentage is represented as a whole number with up to two decimal places.



SMYS, continued...

Use the following equation to calculate percent SMYS: Percent SMYS = PMAOP/P * 100

- > PMAOP = MAOP of the pipeline
- > S = Yield Strength, may be written 52000 or X-52
- ➤ t = Wall thickness, may be written .375" or 3/8"
- > D = Outside diameter (OD), may be written like 8.625" or 8 5/8"
- P = Pressure = (2 * S * t)/D



PL_MAT_MTL

- ➤ "Pipeline Material"
- > (Data Type: Text, Character Limit: 1)
- Based on type of material used to manufacture pipe. Categorized as metallic and non-metallic pipes.

Code	Code Description
Υ	Metallic
Ν	Non-Metallic

NGG Shapefile Updates (7 of 21)

MAOP PSIG

- "Maximum allowable operating pressure"
- (Data Type: Double, Precision 8, Scale 2)
- \succ Defined as the maximum pressure at which a pipeline or segment of a pipeline may be operated. For TX & PHMSA regulated pipelines, MAOP / MOP must be determined based on the requirements of 49 CFR 192.619 / 49 CFR 195.406.
- \succ Enter data as a number in psig (pounds per square inch gauge) unit. Must be a value of 1 to 999,999.99.





AREA_2A, AREA_2B, AREA_2C

It is important to note that one of the three AREA_2 fields must have a value of Y if any given line is Type B gas gathering pipeline in Area 2, determined by method (a), (b), or (c), as described under 49 CFR 192.8(c).



AREA_2A

- "Type B gas gathering line in Area 2(a)"
- > (Data Type: Text, Character Limit: 1)
- Defined as Type B gas gathering pipeline in Area 2, determined by method (a), i.e., in a Class 2 location, as described under 49 CFR 192.8 (c). If a pipeline segment is Y for AREA_2A, then AREA_2B and AREA_2C must be N.



AREA_2A, continued...

Code	Code Description
Y	Pipeline is Type B gathering in Area 2, as determined by method (a)
Ν	Pipeline is Type B gathering in Area 2, as determined by method (b) or (c), OR Pipeline is Type B gathering in Area 1, OR Pipeline is not a Type B gathering



AREA_2B

- "Type B gas gathering line in Area 2(b)"
- > (Data Type: Text, Character Limit: 1)
- Defined as Type B regulated gas gathering pipeline in Area 2, determined by method (b), i.e., an area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1 mile (1.6 km) of pipeline and including more than 10 but fewer than 46 dwellings, as described under 49CFR 192.8 (c). If a pipeline segment is Y for AREA_2B, then AREA_2A and AREA_2C must be N.



AREA_2B continued...

Code	Code Description
Y	Pipeline is Type B gathering in Area 2, as determined by method (b)
Ν	Pipeline is Type B gathering in Area 2, as determined by method (a) or (c), OR Pipeline is Type B gathering in Area 1, OR Pipeline is not a Type B gathering

NGG Shapefile Updates (13 of 21)

AREA_2C

- "Type B gas gathering line in Area 2(c)"
- > (Data Type: Text, Character Limit: 1)
- Defined as Type B regulated gas gathering pipeline in Area 2, determined by method (c), i.e., in an area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1000 feet (305 m) of pipeline and including 5 or more dwellings, as described under 49CFR 192.8 (c). If a pipeline segment is Y for AREA_2C, then AREA_2A and AREA_2B must be N.





AREA_2C continued...

Code	Code Description
Y	Pipeline is Type B gathering in Area 2, as determined by method (c)
Ν	Pipeline is Type B gathering in Area 2, as determined by method (b) or (a), OR Pipeline is Type B gathering in Area 1, OR Pipeline is not a Type B gathering



PL_TYPE

- ➢ "Pipeline Type"
- > (Data Type: Text, Character Limit: 1)
- Applicable to regulated onshore gas gathering lines as defined under 49 CFR Part 192.8 (c).

NGG Shapefile Updates (16 of 21)



Туре	Feature	Area	Additional Safety Buffer
A	 Metallic and the MAOP produces a hoop stress of 20 percent or more of SMYS. If the stress level is unknown, an operator must determine the stress level according to the applicable provisions in subpart C of this part. Non-metallic and the MAOP is more than 125 psig (862 kPa). 	Class 2, 3, or 4 location (see § 192.5).	None
В	 Metallic and the MAOP produces a hoop stress of less than 20 percent of SMYS. If the stress level is unknown, an operator must determine the stress level according to the applicable provisions in subpart C of this part Non-metallic and the MAOP is 125 psig (862 kPa) or less 	 Area 1. Class 3, or 4 location Area 2. An area within a Class 2 location the operator determines by using any of the following three methods: (a) A Class 2 location; (b) An area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1 mile (1.6 km) of pipeline and including more than 10 but fewer than 46 dwellings; or (c) An area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1000 feet (305 m) of pipeline and including 5 or more dwellings. 	If the gathering pipeline is in Area 2(b) or 2(c), the additional lengths of line extend upstream and downstream from the area to a point where the line is at least 150 feet (45.7 m) from the nearest dwelling in the area. However, if a cluster of dwellings in Area 2(b) or 2(c) qualifies a pipeline as Type B, the Type B classification ends 150 feet (45.7 m) from the nearest dwelling in the cluster.
С	Outside diameter greater than or equal to 8.625 inches and any of the following: —Metallic and the MAOP produces a hoop stress of 20 percent or more of SMYS; —If the stress level is unknown, segment is metallic and the MAOP is more than 125 psig (862 kPa); or —Non-metallic and the MAOP is more than 125 psig (862 kPa).	Class 1 location	None
R	-All other onshore gathering lines	Class 1 and Class 2 locations	None

NGG Shapefile Updates (17 of 21)



Туре	Feature	Area	Additional Safety Buffer
A	 Metallic and the MAOP produces a hoop stress of 20 percent or more of SMYS. —If the stress level is unknown, an operator must determine the stress level according to the applicable provisions in subpart C of this part. —Non-metallic and the MAOP is more than 125 psig (862 kPa). 	Class 2, 3, or 4 location (see § 192.5).	None

NGG Shapefile Updates (18 of 21)



Туре	Feature	Area	Additional Safety Buffer
B	 Metallic and the MAOP produces a hoop stress of less than 20 percent of SMYS. If the stress level is unknown, an operator must determine the stress level according to the applicable provisions in subpart C of this part Non-metallic and the MAOP is 125 psig (862 kPa) or less 	 Area 1. Class 3, or 4 location Area 2. An area within a Class 2 location the operator determines by using any of the following three methods: (a) A Class 2 location; (b) An area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1 mile (1.6 km) of pipeline and including more than 10 but fewer than 46 dwellings; or (c) An area extending 150 feet (45.7 m) on each side of the centerline of any continuous 1000 feet (305 m) of pipeline and including 5 or more dwellings. 	If the gathering pipeline is in Area 2(b) or 2(c), the additional lengths of line extend upstream and downstream from the area to a point where the line is at least 150 feet (45.7 m) from the nearest dwelling in the area. However, if a cluster of dwellings in Area 2(b) or 2(c) qualifies a pipeline as Type B, the Type B classification ends 150 feet (45.7 m) from the nearest dwelling in the cluster.

NGG Shapefile Updates (19 of 21)



Туре	Feature	Area	Additional Safety Buffer
C	Outside diameter greater than or equal to 8.625 inches and any of the following: —Metallic and the MAOP produces a hoop stress of 20 percent or more of SMYS; —If the stress level is unknown, segment is metallic and the MAOP is more than 125 psig (862 kPa); or —Non-metallic and the MAOP is more than 125 psig (862 kPa).	Class 1 location	None

NGG Shapefile Updates (20 of 21)



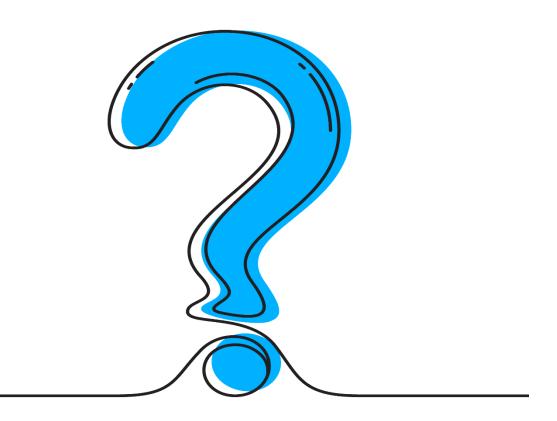
Туре	Feature	Area	Additional Safety Buffer
R	—All other onshore gathering lines	Class 1 and Class 2 locations	None.



After thoroughly reviewing CFR 192, if you are not sure how to determine the value of any of these new attributes, please email <u>Safety@rrc.texas.gov</u> to request a meeting with an RRC inspector.

Questions?







The following documents have been updated:

C-LTR Form
 C-LTR Submittal Guidelines
 Pipeline Permit Guidance Sheet



To view the Pipeline Permit Guidance Sheet, follow this link:

https://www.rrc.texas.gov/pipeline-safety/permitting-andmapping/

Required Documents (2 of 2)



Scenario	Action/Filing Type	Cover Letter	<u>Form T-4B</u> <u>Transfer</u> Certification	* <u>Non-Utility</u> <u>Certificate</u>	Overview Map	<u>Shapefile</u>	Other Side of Transfer	Sworn Statement
New pipeline (when operator has no existing permits)	New Permit	Required		May be required for Gas permits	Required	Required		
Pipeline acquired (when operator has no existing permits)	New Permit	Required	Required	May be required for Gas permits	Required	Required	Required, within 30 days of initial transfer	
Entire permit divestiture (operator change)	Divesting Transfer (Full)	Required	Required	May be required for Gas permits			Required, within 30 days of initial transfer	
Entire permit acquisition (operator change)	Acquiring Full Transfer	Required	Required	May be required for Gas permits				
Entire permit acquisition (into acquiring operator's existing permit)	Acquire Transfer Merge	Required	Required	May be required for Gas permits	Required	Required		
Partial permit divestiture	Divesting Transfer (Partial)	Required	Required	May be required for Gas permits	Required	Required	Required, within 30 days of initial transfer	
Partial permit acquisition	Amendment	Required	Required	May be required for Gas permits	Required	Required	Required, within 30 days of initial transfer	
Adding, removing, or modifying pipeline	Amendment	Required		May be required for Gas permits	Required	Required		
Reclassifying permit from Common Carrier to Private	Amendment	Required			Required			Required
Updating Operator addresses (this can only be done after the update has been officially approved and issued by the P-5 Department)	Amendment	Required						
Merging permits (must inactivate permit being merged before amending keeper permit)	Amendment	Required		May be required for Gas permits	Required	Required		
Cancel permit (no Active pipelines remaining)	Inactivate	Required		May be required for Gas permits				
Renewal	Renewal	Required		May be required for Gas permits	Required			
Reactivate permit	Reactivate	Required		May be required for Gas permits	Required			

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To view the updated C-LTR form and instructions sheet, follow this link:

<u>https://www.rrc.texas.gov/pipeline-safety/pipeline-safety-forms/#PipelinePermitting</u>

Updated C-LTR Form (2 of 5)



No. of Concession, Name	RAILROAD COMMISSION OF TEXAS
7	OVERSIGHT AND SAFETY DIVISION
<u> </u>	PIPELINE SAFETY DEPARTMENT

FO	R	Ν	C-	L1	F
-		•••	•		

January 2024

POPS COVER LETTER

INSTRUCTIONS: The Form C-LTR POPS Cover Letter is used to provide updates or context on a permit application. It is used to notify the Commission of an application for Renewal, New Permit, Inactivate, Amendment, or Transfer. Only fill out the corresponding section of the form based on the APPLICATION TYPE. The form will show and hide fields based on the APPLICATION TYPE to facilitate ease of use. For more detailed instructions, refer to Form C-LTR Submittal Guidelines.

OPERATOR INFORMATION			
Operator Name		Operator A	gent Name
P-5 Number	T-4 Permit Number	Date	
APPLICATION TYPE		_	
Was eminent domain ever declared for t	his permit? Yes	No	
Renewal	New Permit	Inactivate	Amendment / Transfe

RENEWAL

Only fill out this section of the form if the application being filed is for a Renewal. Renewal applications are used to complete an annual pipeline permit renewal. They cannot be used to report changes.

Total Active Mileage Being Renewed

NEW PERMIT

Only fill out this section of the form if the application being filed is for a New Permit. New Permit applications are used to create a new gas or liquid permit.

		Total Active New Permi	Milea	ge
Is this New Permit application associated with a transfer?	Yes (fill out Form T-4B and a	attach in POPS)		No

INACTIVATE

Only fill out this section of the form if the application being filed is for an Inactivate. Inactivate applications are used to cancel permits for pipelines that have been abandoned in place according to TAC §8 and 49 CFR §192-195, merged into another permit, or any other circumstance.

Total Active Mileage Being Inactivated

Are the pipelines being abandoned in place, merged into another permit, or something else?



AMENDMENT / TRANSFER

Only fill out this section of the form if the application being filed is for an Amendment or Transfer. Amendment and Transfer applications are used to report changes to an existing permit. Indicate all changes that are being made along with the mileage being changed for this permit application. If you are reporting a Transfer (Divesting or Acquiring), make sure to also fill out <u>Form T-B</u>. The two-letter codes correspond with the T4_AMD field in the shapefile; more information on the T4_AMD codes can be found in <u>A Guide to Shapefile Submissions</u>.

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Make selections on the next page...

Updated C-LTR Form (3 of 5)



	RAILROAD COMMISSION OF TEXAS OVERSIGHT AND SAFETY DIVISION PIPELINE SAFETY DEPARTMENT
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PIPELINE SAFETY DEPARTMENT		January 2024
PA: Pipeline Addition (assigned to pipeline segments that need to be added to the permit)	Mileage being ad	ded
BP: Abandoned in Place (assigned to pipeline segments that have been completely abandoned)		
	Mileage being ab	andoned
FC: Fluid Change (assigned to pipeline segments that have had a change in product)		
	Mileage being ch	anged
OM: Other Modification (assigned to pipeline segments that have attribute and/or geometry updates) *Must specify what modifications are being made and why in the Additional Information section on page 3. Please note which PLINE_ID's are being updated to TX_REG = N and why. *Mileage box to the right is to indicate the +/- change in total active mileage. If no change, enter 0.	Change in total a	ctive mileage (+/-)
DP: Delete Pipeline (assigned to pipeline segments to be deleted from permitting and mapping) Must specify which PLINE_IDs are being deleted and why in the Additional Information section below	Mileage being de	eted
FT: Full Transfer (assigned to pipeline segments being fully transferred to/from a different P-5)		
Divesting Acquiring Acquiring	Mileage being tra	nsferred
PT: Partial Transfer (assigned to pipeline segments being partially transferred to/from a different P-5) Divesting Acquiring	Mileage being tra	nsferred
List all permits being partially divested or acquired		
PM: Partial Merge (assigned to pipeline segments being partially merged within the same P-5) Divesting Acquiring	Mileage being me	rged
List all permits being partially divested or acquired		
MP: Merge Permits (assigned to pipeline segments being consolidated within the same P-5)		
List all permits being merged in	Mileage being me	erged
TM: Transfer Merge (assigned to pipeline segments being acquired and merged from a full transfer)		
List all permits being merged in	Mileage being me	erged

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Total Active Mileage Before Amendment Changes

FORM C-LTR

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Updated C-LTR Form (4 OF 5)

OM: Other Modification (assigned to pipeline segments that have attribute and/or geometry updates) *Must specify what modifications are being made and why in the Additional Information section on page 3. Please note which PLINE_ID's are being updated to TX_REG = N and why. *Mileage box to the right is to indicate the +/- change in total active mileage. If no change, enter 0.

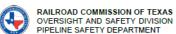
Change in total active mileage (+/-)

DP: Delete Pipeline (assigned to pipeline segments to be deleted from permitting and mapping) *Must specify which PLINE_IDs are being deleted and why in the Additional Information section below

Mileage being deleted



Updated C-LTR Form (5 OF 5)



FORM C-LTR January 2024

ADDITIONAL INFORMATION

Provide any other information that relates to the permit application ...





When filing an Amendment, the C-LTR cover letter form should always indicate the total active mileage before the amendment changes as well as after the amendment changes.



Page 2



Divesting Transfer applications for Partial Transfers cannot include any other Amendment codes other than PT (and NC).

Acquiring Transfer Merge applications cannot include any other Amendment codes other than TM (and NC).



When submitting New Permit or Amendment applications to complete acquiring partial transfers, please be sure that the last section of the Permit tab of the application is complete.

	Acquired Pipeline Transfer - Partial Transfers	Only					
	this submission related to a pipeline transferred fr tached)?	om another operator (T-4B	No 💌				
E	Enter divesting permit number (from Form T-4B):						
E	nter Effective Date of Transfer (from Form T-4B):			Add Transfer Permit			
	Divesting Permit Number	Divesting Permit F	-5	Divesting Operator Nam	e	Effective Date of Transfer by Purch	nase Party
	No Transferred Permits found.						
→ Ne	a						

Common Permitting Mistakes (4 of 4)



RAILROAD COMMISSION OF TEXAS OVERSIGHT AND SAFETY DIVISION PIPELINE SAFETY DEPARTMENT FORM T-4B

May 2021

PIPELINE TRANSFER CERTIFICATION

INSTRUCTIONS: The Form T-4B Pipeline Transfer Certification is used to confirm a pipeline transfer from one operator to another. It can be used to confirm either the total or partial transfer of a pipeline system. Both the Divesting Operator and the Acquiring Operator must fill out and sign the form, and the Permit Number and Effective Date of Transfer on each section must match. A Form T-4B must be attached in the Pipeline Online Permitting System (POPS) with every pipeline transfer submission.

ACQUIRING OPERATOR INFORMATION Acquiring Operator Name P-5 Number Mailing Address City Zip Code Is this a total transfer of the Permit Number listed below in ACQUIRING OPERATOR CERTIFICATION? Yes Are you adding the pipelines to an existing permit, keeping them on the original Permit Number, or applying for a new permit? Adding to Existing Permit Number ##### Keeping the Original Permit Number Applying for a New Permit ACQUIRING OPERATOR CERTIFICATION: As the Acquiring Operator, I certify that 1234 I am now responsible for the regulatory compliance of the below-listed pipeline(s) currently operating under the here-stated Permit Number. Permit Number Effective Date of Transfer Name of Reporting Official Signature of Reporting Official Date Signed Title of Reporting Official Phone Number Extension Email Address DIVESTING OPERATOR INFORMATION **Divesting Operator Name** P-5 Number Mailing Address City Zip Code Is this a total transfer of the Permit Number listed below in DIVESTING OPERATOR CERTIFICATION? Yes If No, list the names (or other identification) of the pipeline(s) being transferred along with each pipeline's mileage: Names and Mileage of Transferred Pipelines (if you need more space than is provided here, attach another page when submitting Form T-4B) DIVESTING OPERATOR CERTIFICATION: As the Divesting Operator, I certify that 01234 operating responsibility for the above-listed pipeline(s) currently operating under the here-stated Permit Number is transferred to the Acquiring Operator. Permit Number Effective Date of Transfe Signature of Reporting Official Name of Reporting Official Date Signed Title of Reporting Official Phone Numbe Email Address Extension

When signing T-4Bs, please be sure to list the Divesting T-4 permit number on both the Divesting and Acquiring sides of the form.



Starting January 24th, these things will be required for all T-4 permitting and mapping applications submitted in our Pipeline Online Permitting System (POPS):

- New NGG attributes are mandatory for all Active, Intrastate NGG lines
- Unique PLINE_IDs are mandatory for all pipelines
- > New C-LTR cover letter form is mandatory for all T-4 applications
- Overview maps must list the P-5 and T-4 numbers, and include a legend for different Amendment codes



Microsoft Teams meetings are a great way to discuss T-4 permitting and mapping requirements and procedures. If you would like to set up a Teams meeting with us, please email <u>POPS@rrc.texas.gov</u> and we will arrange a time to meet as quickly as possible.

Contact (1 of 2)



- Pipeline Permitting General Contact

- 512-463-6802
- POPS@rrc.texas.gov

- Pipeline Mapping General Contact

- 512-463-6802
- <u>TPMS@rrc.texas.gov</u>

– Andy Martinec

- 512-463-6994
- Andy.Martinec@rrc.texas.gov

- Colby Broadway

- 512-524-6019
- <u>Colby.Broadway@rrc.texas.gov</u>

– Esmeralda Estrada

- 512-475-0104
- Esmeralda.Estrada@rrc.texas.gov

- Casey Proulx

- 512-463-7062
- <u>Casey.Proulx@rrc.texas.gov</u>

Resources



- Pipeline Fees: https://www.rrc.texas.gov/pipeline-safety/pipeline-fees/
- Permitting and Mapping: https://www.rrc.texas.gov/pipeline-safety/permitting-and-mapping/
- How to create POPS filer accounts: <u>https://rrc.texas.gov/forms/online-filing-at-rrc/maintaining-filer-accounts/</u>
- Vendor List: https://www.rrc.texas.gov/pipeline-safety/permitting-and-mapping/mapping/vendor-list/

Final Questions?



