

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Introduction

The information presented here reflects the revision of the National Pipeline Mapping System (NPMS) Information Collection (OMB Control No. 2137-0596) approved by the Office of Management and Budget (OMB) on January 22, 2020. This document will summarize revisions to the NPMS data submittal requirements and explain the implementation timeline, the new spatial accuracy requirement and all required attribute fields, names, properties and acceptable values. Prior to the year when Phase 1 data elements are required, PHMSA will publish an updated Operator Standards Manual and record video demonstrations or conduct webinars about the data standard and submission process changes. Until then, information about current NPMS submittal requirements, including demonstration videos and recorded webinars, can be found on the NPMS website at www.npms.phmsa.dot.gov.

Revision Summary

- Modernized spatial accuracy requirement.
- New pipeline and LNG plant attributes, as outlined in the attribute standards tables in this document.
- Previously voluntary data elements are now required, including abandoned pipelines that previously operated as gas transmission or hazardous liquid pipelines, pipeline diameter, pipeline commodity details, pipeline facility response plan sequence number and breakout tank locations with attributes.
- New NPMS data submission requirements for LNG plant impoundment and exclusion zones (polygons).
- When designated, pipeline attributes may be reported as unknown when accurate information is not available, or as a predominant value (representing at least 90% of the pipeline segment).

Implementation Timeline

PHMSA will start collecting Phase 1 data no earlier than 2023 (due by March 15 or June 15, 2023 depending on the facility type) and Phase 2 data one year after Phase 1. Phase 3 is mandatory by 2027. All new data features and data layers (i.e., abandoned pipelines, LNG plant impoundments, LNG plant exclusion zones and breakout tanks) are required in Phase 1. The required implementation phase for each data element and the modernized spatial accuracy requirement are explained below.

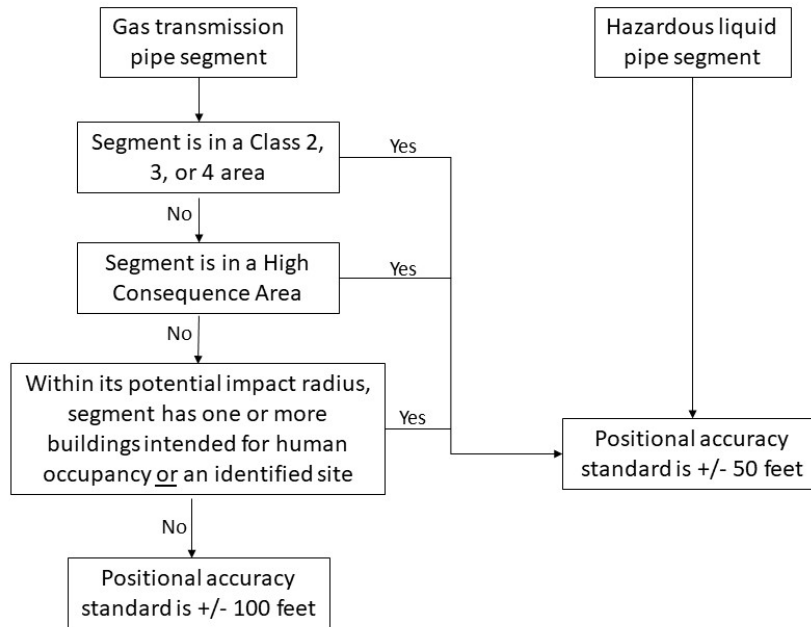
PHMSA cannot accept new attribute fields prior to the required year for the attribute's implementation phase. PHMSA currently accepts data that meets the modernized spatial accuracy and any voluntary data element in the NPMS Operator Standards currently available on the NPMS website.

Spatial Accuracy

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

No later than 2027, hazardous liquid pipeline operators must submit data with a positional accuracy of +/- 50 feet. No later than 2027, gas transmission operators must submit data with +/- 50 feet accuracy for all segments which are in a Class 2, Class 3, or Class 4 area; are within an HCA or have one or more buildings intended for human occupancy or an identified site within its potential impact radius. All other gas transmission pipeline segments must be mapped to a positional accuracy of +/- 100 feet. This modernized spatial accuracy requirement is outlined in the graphic below:



Attributes

Operators are required to provide descriptive information about each pipeline facility feature in their annual NPMS submittals. The attribute data is essential information about each pipeline segment, breakout tank, or LNG plant, impoundment or exclusion zone, and includes information about the facility, operator, operations, assessments or location. The following tables outline all attribute fields and acceptable values as required by this modification to the NPMS Information Collection. The first field indicates if the attribute is required in implementation Phase 1, 2 or 3; no phase is indicated for attributes that were approved and collected as part of the NPMS Information Collection prior to January 2020, and an asterisk (*) indicates an attribute that becomes mandatory during that phase. For permanently abandoned pipelines, report attributes that reflect operations prior to permanent abandonment. For additional technical details, such as attribute templates, please visit the NPMS website at www.npms.phmsa.dot.gov.

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Pipeline Attribute Table

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
	OPER_LINK	Unique Link ID	<p>Field Type = Character, Field Length 20</p> <p>Link between the geospatial elements (pipeline segments) and their respective attribute records. Assigned by the operator or the operator's software package (i.e., COVER-ID, MSLINK_ID, etc.).</p> <p>Note: the OPER_LINK and the PLINE_ID may be identical.</p> <p>Once processing is complete, the OPER_LINK value will be removed from the data by NPMS staff as it will no longer be needed.</p>	Character	<p>Required for Both- If your attributes are not included in the geospatial file.</p> <p>Not Required- If your attributes are included in the geospatial file.</p>
	OPID	Operator ID Number	<p>Field Type = Integer, Long</p> <p>Unique tracking number assigned by PHMSA to the company that physically operates the pipeline system. If you do not know your company's OPID, check with your DOT/Regulatory Compliance department or the NPMS website. Always use the same OPID for all PHMSA reporting requirements that apply to the pipeline segment. For example, if you use OPID 100 for this pipeline segment in the NPMS, you must use OPID 100 for this pipeline segment on the Annual Report to PHMSA.</p>	Positive integer	Both
	OPER_NM	Operator Name	<p>Field Type = Text, Field Length = 100</p> <p>The company name that physically operates the pipeline system.</p>	Character	Both
	SYS_NM	System Name	<p>Field Type = Text, Field Length = 40</p> <p>Assigned by the operator. The operator's name for a functional grouping of pipelines.</p>	Character	Both
	SUBSYS_NM	Sub System Name	<p>Field Type = Text, Field Length = 40</p> <p>Assigned by the operator. A unique name for a smaller sub-section of a pipeline system. A subset of SYS_NM.</p>	Character, <null>	Not Required
	PLINE_ID	Pipeline ID	<p>Field Type = Text, Field Length = 20</p> <p>Assigned by the operator. A unique identifier for a specific section of pipeline within a pipeline system.</p>	Character	Both
1 *	DIAMETER	Diameter reported in Nominal Pipe Size (NPS)	<p>Field Type = Double (5, 3)</p> <p>Nominal pipe size of the pipeline segment; identifies the diameter with a dimensionless value, (e.g., 8.625" outside diameter pipe is reported as NPS 8, 5" outside diameter pipe is NPS 4.5). Decimals are only accepted when less than NPS 5.</p>	Decimal	Both

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
	COMMODITY	Commodity Category	<p>Field Type = Text, Field Length = 3</p> <p>Abbreviation for the primary commodity carried by the pipeline system.</p> <p>Valid Liquid Commodities: CRD=crude oil, PRD=non-HVL product, AA=anhydrous ammonia, LPG=liquefied petroleum gas, NGL=natural gas liquids, OHV=other HVLs, CO2=carbon dioxide, ETH=fuel grade ethanol, and EPL=abandoned pipelines that previously transported a liquid</p> <p>Valid Gas Commodities: NG=natural gas, PG=propane gas, SG=synthetic gas, HG=hydrogen gas, OTG=other gas, and EPG=empty gas.</p> <p>Note that when propane is transported as a liquid, use the LPG commodity abbreviation. The PG abbreviation should only be used when the commodity is in gaseous form.</p> <p>Note that when the pipeline is permanently abandoned, the use of EPL or EPG should represent the commodity that was previously transported. For instance, a natural gas transmission line that was later filled with water during the permanent abandonment process would be coded EPG because a gas commodity was last transported. Please report if the pipeline is filled with water, nitrogen or another fill material in the Commodity Description.</p> <p>Note that EPG and EPL may only be used for permanently abandoned pipelines. Active unfilled pipelines should reflect the commodity last transported. If the pipeline is purged, please report if the pipeline is filled with water, nitrogen or another fill material in the Commodity Description.</p>	<p>Liquid Commodities CRD, PRD, AA, LPG, NGL, OHV, CO2, ETH, EPL</p> <p>Gas Commodities NG, PG, SG, HG, OTG, EPG</p>	Both
1 *	CMDTY_DTL1	Commodity Detail 1	<p>Field Type = Text, Field Length = 3</p> <p>Abbreviation for the primary commodity's first subcategory detail. If the primary commodity defined in the COMMODITY field is not CRD, PRD, or NG, this field should be left blank.</p> <p>The primary commodity CRD has the following subcategories: CRW=sweet crude, CRR=sour crude.</p> <p>The primary commodity PRD has the following subcategories: RGS=refined non-ethanol blended gasoline, RFD=refined fuel oil, diesel, RKJ=refined kerosene, jet fuel, OTR=other refined and/or non-HVL petroleum products, ETB=ethanol blended gasoline, BDB=biodiesel blend, OBI=other biofuels.</p> <p>The primary commodity NG has the following subcategories: NG1=pipeline quality or tariff quality natural gas, NG2=wet but non-sour natural gas, NG3=sour but non-wet natural gas, NG4=wet, sour natural gas.</p>	<p>CRW, CRR, RGS, RFD, RKJ, OTR, ETB, BDB, OBI, NG1, NG2, NG3, NG4</p>	<p>Required- If Commodity Category is crude oil (CRD), petroleum product (PRD) or natural gas (NG).</p>

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
1	CMDTY_DTL2	Commodity Detail 2	Field Type = Text, Field Length = 3 Abbreviation for the primary commodity's secondary subcategory detail if more than one applies. Refer to the CMDTY_DTL1 field for additional information and valid values. If only one commodity detail applies, this field should be blank.	CRW, CRR, RGS, RFD, RKJ, OTR, ETB, BDB, OBI, NG1, NG2, NG3, NG4, <null>	Not Required
1	CMDTY_DTL3	Commodity Detail 3	Field Type = Text, Field Length = 3 Abbreviation for the primary commodity's tertiary subcategory detail. Refer to the CMDTY_DTL1 field for additional information and valid values. If only one or two commodity details apply, this field should be blank.	CRW, CRR, RGS, RFD, RKJ, OTR, ETB, BDB, OBI, NG1, NG2, NG3, NG4, <null>	Not Required
	CMDTY_DESC	Commodity Description	Field Type = Text, Field Length = 40 Describes additional details about the commodity carried by the pipeline system. For example, "LANDFILL GAS". If purged, report if that pipeline was filled with water, nitrogen, or another material. For example, "PURGED WITH NITROGEN"	Character, <null>	Not Required
	INTERSTATE	Interstate Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the pipeline system is an interstate pipeline. Y=interstate, N=intrastate. (Use PHMSA definition; see glossary).	Y, N	Both
	LOW_STRESS	Low Stress Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the hazardous liquid pipeline segment is a low stress pipeline. Y=low stress, N=not low stress. Required for active filled liquid pipelines. If the hazardous liquid pipeline operates at 20% or less of SMYS, the segment is a low stress pipeline. Field should be left blank for gas pipelines, active unfilled pipelines or permanently abandoned pipelines.	Y, N	Required- For active filled liquid pipeline segments
	STATUS_CD	Pipeline Status Code	Field Type = Text, Field Length = 2 Identifies the status of the pipeline segment as of the reporting year (i.e., December 31 of the previous year). AF=active filled, AU=active unfilled, PA=permanently abandoned in accordance with federal regulations.	AF, AU, PA	Both

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
3	QUALITY_RQ	Data Quality Requirement Category	Field Type = Text, Field Length = 2 Is the segment subject to a 50 foot positional accuracy standard or a 100 foot positional accuracy standard? See the graphic in Section 4 to make the determination. A=50 foot, B=100 foot	A,B	Both
	QUALITY_CD	Data Quality Code (Positional Accuracy)	Field Type = Text, Field Length = 1 Identifies the positional accuracy of the submitted data. A=less than 5 feet, B=5-25 feet, C=25.01-50 feet, D=50.01-100 feet, E=100.01 or greater.	A, B, C, D, E	Both
	REVIS_CD	Revision Code	Field Type = Text, Field Length = 1 Identifies this pipeline segment as an A=addition to the NPMS unrelated to construction or changes in jurisdiction, C=addition due to new construction that adds mileage or is a re-route, J=addition due to mileage that is new to PHMSA's jurisdiction, S=spatial modification of the existing NPMS feature, T=attribute modification of the existing NPMS feature, B=both a spatial and attribute modification of the existing NPMS feature, or N=no change to the existing NPMS feature.	A, C, J, S, T, B, N	Both
1	MATERIAL	Type of Pipeline Material	Field Type = Text, Field Length = 5 Identifies the material of the pipeline segment. C=cast iron, P=plastic, S=steel, CM=composite, W=wrought iron, O=other.	C, P, S, CM, W, O	Both
1	MATERIAL_O	Other Material Type	Field Type = Text, Field Length = 40 Identifies the type of pipeline material if O (other) is selected in the MATERIAL field.	Character	Required- If Material reported as O
1	WALL_TH	Wall Thickness	Field Type = Text, Field Length = 5 Wall thickness of the pipeline segment, in inches (three decimal places, ###.###). Use U if thickness is unknown.	Decimal or U	Both
1	COATED	Coated Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the pipeline segment is coated. Y=coated, N=not coated.	Y, N	Both
1	PIPE_JOIN	Predominant Pipeline Joining Method	Field Type = Text, Field Length = 1 Identifies the actual or predominant (90% of pipeline segment) pipeline joining method for this pipeline segment. W=welded, C=coupled, S=screwed, F=flanged, P=plastic pipe joint, U=unknown, O=other.	W, C, S, F, P, U, O	Both
1	PIPE_JOIN_O	Other Pipeline Joining Method	Field Type = Text, Field Length = 40 Indicates the pipeline joining method if O (other) is selected in the PIPE_JOIN field.	Character	Required- If Pipe Join reported as O

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
2	GRADE	Predominant Pipeline Grade	Field Type = Text, Field Length = 15 Identifies the actual or predominant (90% of pipeline segment) pipeline grade for this pipeline segment: A25, A25P, B, X42, X46, X52, X56, X60, X65, X70, X80, X90, X100, X120, U=unknown, P=plastic, O=other.	A25, A25P, B, X42, X46, X52, X56, X60, X65, X70, X80, X90, X100, X120, U, P, O	Both
2	GRADE_O	Other Pipeline Grade	Field Type = Text, Field Length = 40 Identifies the pipeline grade if O (other) is selected in the GRADE field.	Character	Required- If Grade reported as O
2	SEAM_TYPE	Seam Type	Field Type = Text, Field Length = 10 Identifies the seam type for this pipeline segment. SMLS=seamless, LFERW=low frequency or direct current electric resistance welded, HFERW=high frequency electric resistance welded, UNKERW=electric resistance welded with unknown frequency (possible if made around 1970), DSAW=double side submerged arc weld, SSAW=single side submerged arc weld, SPRSAW=spiral single side submerged arc weld EFW=flash weld, LAPW=lap weld, FBW=furnace butt weld, PLAS=plastic or O=other unlisted seam type, U=unknown seam type.	SMLS, LFERW, HFERW, UNKERW, DSAW, SSAW, SPRSAW, EFW, LAPW, FBW, PLAS, O, U	Both
2	SEAM_TYPE_O	Other Seam Type	Field Type = Text, Field Length = 40 Identifies the seam type if O (other) is selected in the SEAM_TYPE field.	Character	Required- If Seam Type reported as O
2	DECADE_IN	Predominant Decade of Installation	Field Type = Text, Field Length = 6 Identifies the actual or predominant (90% of pipeline segment) decade of installation for this pipeline segment. P1940=Pre-1940; P1950=1940-1949; P1960=1950-1959; P1970=1960-1969; P1980=1970-1979; P1990=1980-1989; P2000=1990-1999; P2010=2000-2009; P2020=2010-2019; P2030=2020-2029, U=unknown.	P1940, P1950, P1960, P1970, P1980, P1990, P2000, P2010, P2020, P2030, U	Both
1	ONSHORE	Onshore Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the pipeline segment is onshore (Y) or offshore (N) per 49 CFR §191.3 and 49 CFR §195.2. Must reflect onshore/offshore designations submitted in operator's Annual Report to PHMSA.	Y, N	Both

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
1	ILI_ABLE	Inline Inspection Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the pipeline is capable of accepting an inline inspection (ILI) tool with currently available technology. Y=capable, N=not capable. Per NACE Standard RP0102-2002: Inline Inspection is defined as the inspection of a pipeline from the interior of the pipe using an in-line inspection tool. Also called intelligent or smart pigging. Inline Inspection Tool is defined as a device or vehicle that uses a nondestructive testing technique to inspect the pipeline from the inside. Also known as intelligent or smart pig.	Y, N	Both
1	CLASS	Predominant Class Location	Field Type = Integer, 1 digit (Gas) Actual or predominant (90% of pipeline segment) class location for a gas transmission pipeline segment (per 49 CFR §192.5).	1, 2, 3, 4	Gas
1	GAS_HCA	Gas HCA Segment Yes/No	Field Type = Text, Field Length = 1 (Gas) Yes / No designator to identify if a gas pipeline segment is in a gas HCA (High Consequence Area) per 49 CFR §192.903. Y=in a gas HCA, N=not in a gas HCA.	Y, N	Gas
2	HPA_AFF	Segment «Could Affect» HPA HCA Yes/No	Field Type = Text, Field Length = 1 (Liquid) Yes / No designator to identify if the liquid pipeline segment is in an area that could affect a High Consequence Area (HCA) categorized as a Highly-Populated Area (HPA). Y=could affect, N=could not affect.	Y, N	Liquid
2	OPA_AFF	Segment «Could Affect» OPA HCA Yes/No	Field Type = Text, Field Length = 1 (Liquid) Yes / No designator to identify if the liquid pipeline segment is in an area that could affect a High Consequence Area (HCA) categorized as an Other Populated Area (OPA). Y=could affect, N=could not affect.	Y, N	Liquid
2	ECO_AFF	Segment «Could Affect» Ecological USA HCA Yes/No	Field Type = Text, Field Length = 1 (Liquid) Yes / No designator to identify if the liquid pipeline is in an area that could affect a High Consequence Area (HCA) categorized as an Ecological USA (either operator-determined Ecological USA or one from the dataset supplied by PHMSA) per 49 CFR §195.6. Y=could affect, N=could not affect.	Y, N	Liquid
2	CNW_AFF	Segment «Could Affect» CNW HCA Yes/No	Field Type = Text, Field Length = 1 Yes / No designator to identify if the liquid pipeline is in an area that could affect a High Consequence Area (HCA) categorized as a Commercially Navigable Waterway (CNW). Y=could affect, N=could not affect.	Y, N	Liquid

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	Pipeline Attribute Field Full Description	Acceptable Values - UPPERCASE	Attribute Field Required? <i>Gas, Liquid, Both or otherwise as indicated</i>
2	ASSMNT_M1	Method of Most Recent Assessment	<p>Field Type = Text, Field Length = 5</p> <p>Identifies If the most recent method, if the pipeline segment is required to be assessed per §195 Subpart F or §192 Subpart O. ILI=inline inspection, PT=hydrostatic pressure test, DIR=direct assessment method, EX=exempt from assessment.</p> <p>For example, if an ILI assessment was completed in March, but a DIR was completed in August of the same year, you will only report the DIR on that pipeline segment.</p>	ILI, PT, DIR, EX	Required- If pipeline segment not exempt from assessment
2	ASSMNT_M2	Method of Most Recent Assessment 2	<p>Field Type = Text, Field Length = 5</p> <p>Use this field only if more than one assessment method was performed on the date of the most recent assessment. ILI=inline inspection, PT=hydrostatic pressure test, DIR=direct assessment method.</p>	ILI, PT, DIR, <null>	Not Required
2	ASSMNT_M3	Method of Most Recent Assessment 3	<p>Field Type = Text, Field Length = 5</p> <p>Use this field only if more than two assessment methods were performed on the date of the most recent assessment. ILI=inline inspection, PT=hydrostatic pressure test, DIR=direct assessment method.</p>	ILI, PT, DIR, <null>	Not Required
2	ASSMNT_YR	Year of Most Recent Assessment	<p>Field Type = Integer, 4 digits</p> <p>Identifies the 4-digit year of the most recent assessment, If the segment of pipeline is required to be assessed per §195 Subpart F or §192 Subpart O (ASSMNT_M1 does not equal 'EX').</p>	Positive Integer; (example: 2019)	Required- If pipeline segment not exempt from assessment
2	FRP_SEQ	FRP Sequence Number	<p>Field Type = Integer, Long</p> <p>Facility Response Plan (FRP) Sequence Number for applicable liquid pipeline segments per 49 CFR §194. Assigned by PHMSA and provided to the operator in the Letter of Approval (LOA) for the operator's submitted FRP.</p>	Positive 4 Digit Integer; (example: 2019)	Required- For applicable liquid segments per 49 CFR §194

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

LNG Plant Attribute Table

Phase	Attribute Field Name	Short Description	LNG Plant Attribute Field Full Description	Acceptable Values (UPPERCASE)	Field Required?
	OPID	Operator ID Number	Field Type = Integer, Field Length = 5 Unique tracking number assigned by PHMSA to the company that physically operates the LNG plant. If you do not know your company's OPID, check with your DOT/Regulatory Compliance department or the NPMS website. Always use the same OPID for all PHMSA reporting requirements that apply to the LNG plant. For example, if you use OPID 100 for this LNG plant segment in the NPMS, you must use OPID 100 for this LNG plant on the Annual Report to PHMSA.	Positive integer	Required
	OPER_NM	Operator Name	Field Type = Text, Field Length = 50 The company name that physically operates the LNG Plant.	Character	Required
	LNG_NM	LNG Plant Name	Field Type = Text, Field Length = 40 Assigned by the operator. The operator's name for the LNG Plant. Operators must submit the same value on their LNG Annual Report to PHMSA.	Character	Required
	LNG_ID	LNG Plant ID	Field Type = Text, Field Length = 20 Assigned by the operator. A unique identifier for a specific plant. Operators must use the same LNG ID value for this specific plant in the LNG Impoundments attribute table, LNG Exclusion Zones attribute table and LNG Annual Report to PHMSA. The LNG ID will be used to relate information from the Annual Report, Impoundment and Exclusion Zone data to this LNG plant.	Character	Required
	STATUS_CD	LNG Status Code	Field Type = Text, Field Length = 1 Identifies the status of the LNG plant as of the reporting year (i.e., December 31 of the previous year). AF=active filled, AU=active unfilled, PA=permanently abandoned in accordance with federal regulations.	AF, AU, PA	Required
	QUALITY_CD	Data Quality Code (Positional Accuracy)	Field Type = Text, Field Length = 1 Identifies the positional accuracy of the submitted data. A=less than 5 feet, B=5-25 feet, C=25.01-50 feet, D=50.01-100 feet, E=100.01 or greater.	A, B, C, D, E	Required
	REVIS_CD	Revision Code	Field Type = Text, Field Length = 1 Identifies this LNG plant as an A=addition to the NPMS unrelated to construction or changes in jurisdiction, C=addition due to new construction that adds a new plant, J=addition due to a plant that is new to PHMSA's jurisdiction, S=spatial modification of the existing NPMS feature, T=attribute modification of the existing NPMS feature, B=both a spatial and attribute modification of the existing NPMS feature, or N=no change to the existing NPMS feature.	A, C, J, S, T, B, N	Required
1	TYPE	Type of LNG Plant	Field Type = Text, Field Length = 2 Identifies the type of LNG Plant. BL=base load, PS=peak shaving, SA=satellite, MT=mobile/temporary, O=other.	BL, PS, SA, MT, O	Required
1	CAPACITY	Total Capacity	Field Type = Integer, Long Total capacity of LNG Storage in Barrel units (bbl).	Positive integer	Required

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Attribute Field Name	Short Description	LNG Plant Attribute Field Full Description	Acceptable Values (UPPERCASE)	Field Required?
1	CNSTR_YEAR	Year Constructed	Field Type = Integer, Long Identifies the year the LNG Plant was constructed (matches "date put in service" from the operator's Annual Report).	Positive 4 Digit Integer; (example: 2019)	Required

LNG Plant Impoundment Attribute Table

Phase	Attribute Field Name	Short Description	LNG Plant Impoundment Attribute Field Full Description	Acceptable Values (UPPERCASE)	Field Required?
1	OPID	Operator ID Number	Field Type = Integer, Long Unique tracking number assigned by PHMSA to the company that physically operates the LNG plant. If you do not know your firm's OPID, check with your DOT/Regulatory Compliance department or the NPMS website.	Positive integer	Required
1	LNG_ID	LNG Plant ID	Field Type = Text, Field Length = 20 Assigned by the operator. This is a unique identifier for a specific plant. Must match the LNG_ID value used in the LNG Plant attribute table for this specific plant.	Character	Required
1	IMPOUND_ID	Unique ID for Impound	Field Type = Text, Field Length = 30 Assigned by the operator. This is a unique identifier for the specific impoundment.	Character	Required

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

LNG Plant Exclusion Zone Attribute Table

Phase	Field Name	Short Description	LNG Plant Exclusion Zone Full Description	Acceptable Values (UPPERCASE)	Required Field
1	OPID	Operator ID Number	Field Type = Integer, Long Unique tracking number assigned by PHMSA to the company that physically operates the LNG plant. If you do not know your firm's OPID, check with your DOT/Regulatory Compliance department or the NPMS Web site.	Positive integer	Required
1	LNG_ID	LNG Plant ID	Field Type = Text, Field Length = 20 Assigned by the operator. This is a unique identifier for a specific plant. Must match the LNG_ID value used in the LNG plant attribute table for this specific plant.	Character	Required
1	EZONE_ID	Unique ID for Plant	Field Type = Text, Field Length = 30 Assigned by the operator. This is a unique identifier for the specific exclusion zone.	Character	Required
1	HFLUX	Heat Flux	Field Type = Double Percentage of the lower flammable limit of the gas (heat flux).	Decimal	Required

Breakout Tank Attribute Table

Phase	Field Name	Short Description	Breakout Tank Attribute Full Description	Acceptable Values (UPPERCASE)	Required Field
1	OPID	Operator ID Number	Field Type = Long Unique tracking number assigned by PHMSA to the company that physically operates the breakout tank. If you do not know your company's OPID, check with your DOT/Regulatory Compliance department or the NPMS website.	Positive integer	Required
1	OPER_NM	Operator Name	Field Type = Text, Field Length = 30 The company name that physically operates the breakout tank.	Character	Required
1	TANK_ID	Tank ID	Field Type = Text, Field Length = 15 Assigned by the operator. A unique identifier for a specific tank within a functional grouping of tanks.	Character	Required
1	CNSTR_YEAR	Construction Year	Field Type = Long Four-digit year of facility construction (e.g. "1990").	Positive 4 Digit Integer; (example: 2019)	Required
1	TANKSIZE	Nominal Size of Tank	Field Type = Long Nominal size of the tank in thousands of barrels (e.g. a tank that holds 50,000 barrels would be reported as 50).	Positive Integer	Required

Modified NPMS Attribute Standards and Revision Summary

Information Collection 2137-0596

Phase	Field Name	Short Description	Breakout Tank Attribute Full Description	Acceptable Values (UPPERCASE)	Required Field
1	COMMODITY	Primary Commodity Category	Field Type = Text, Field Length = 5 Abbreviation for the primary commodity stored in the tank. CRD=crude oil, PRD=refined product, ETH=fuel grade ethanol, G=gasoline, K=kerosene, JF=jet fuel, DF=diesel fuel, HO=heating oil, AA=anhydrous ammonia, CO2=carbon dioxide, HVL=highly volatile liquid, O=other, NONE=the tank does not currently store any commodity.	CRD, PRD, ETH, G, K, JF, DF, HO, AA, CO2, HVL, O, NONE	Required
1	COMMODITY2	Commodity Category 2	Field Type = Text, Field Length = 5 Abbreviation for the tank's secondary commodity. Use this field only if more than one commodity type is stored in this tank. CRD=crude oil, PRD=refined product, ETH=fuel grade ethanol, G=gasoline, K=kerosene, JF=jet fuel, DF=diesel fuel, HO=heating oil, AA=anhydrous ammonia, CO2=carbon dioxide, HVL=highly volatile liquid, O=other, leave this field blank if the tank does not store a secondary commodity.	CRD, PRD, ETH, G, K, JF, DF, HO, AA, CO2, HVL, O, <null>	Not Required
1	COMMODITY3	Commodity Category 3	Field Type = Text, Field Length = 5 Abbreviation for the tank's tertiary commodity. Use this field only if more than two commodity types are stored in this tank. CRD=crude oil, PRD=refined product, ETH=fuel grade ethanol, G=gasoline, K=kerosene, JF=jet fuel, DF=diesel fuel, HO=heating oil, AA=anhydrous ammonia, CO2=carbon dioxide, HVL=highly volatile liquid, O=other, leave this field blank if the tank does not store a tertiary commodity.	CRD, PRD, ETH, G, K, JF, DF, HO, AA, CO2, HVL, O, <null>	Not Required
1	REVIS_CD	Revision Code	Field Type = Text, Field Length = 1 Identifies this tank as an A=addition to the NPMS unrelated to construction or changes in jurisdiction, C=addition due to new construction that adds a new tank, J=addition due to a tank that is new to PHMSA's jurisdiction, S=spatial modification of the existing NPMS feature, T=attribute modification of the existing NPMS feature, B=both a spatial and attribute modification of the existing NPMS feature, or N=no change to the existing NPMS feature. Refer to Section 3.3 for a more detailed description of each code.	A, T, B, S, N	Required