

Pipeline Construction Inspection

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Contents

1	Scope	1
2	Normative References	1
3	Terms, Definitions, and Abbreviations	1
3.1	Terms and Definitions	1
3.2	Abbreviations	4
4	Pipeline Construction Inspector—Foundational Information	6
4.1	General	6
4.2	Authority	8
4.3	Code of Conduct	8
4.4	Worker, Site, and Construction Safety	10
4.5	Quality, Deficiencies, and Nonconformance Procedures	19
4.6	Environmental Considerations	20
4.7	Execution of Work	24
4.8	Administration of Contractual Obligations	25
4.9	Records Management	26
4.10	Personnel Qualifications and Certifications	27
4.11	Equipment Calibration	29
4.12	Incident Reporting	29
4.13	References—Foundational Information	29
	Annex A (informative) Pipeline Construction Inspector	32
	Annex B (normative) Blasting Inspector	122
	Annex C (normative) Horizontal Directional Drilling Inspector	123
	Annex D (normative) Welding Inspector	126
	Annex E (normative) Corrosion Control Inspector	129
	Annex F (normative) Chief Inspector	131
	Annex G (informative) Regulation in North America	133
	Bibliography	137
	Figure	
1	Typical Pipeline Construction Phases	7
	Tables	
1	Main Areas of Inspector Roles and Responsibilities	6
2	Typical Code of Conduct Considerations	9
3	Typical Safety Considerations	10
4	List of Typical Operator Safety Policies/Practices/Procedures	11
5	Typical Examples of Personal Protective Equipment	13
6	Potential Conditions for Atmospheric Testing	16
7	Facets of Atmospheric Testing	17
8	List of Typical Operator Quality Documentation	19
9	Examples of Personal Violations	20
10	List of Typical Environmental Activities	21
11	Inspector Role in Administration of Contractual Agreements	25
12	Typical Agreements/Contracts Issued or Applied for by Operator	26
13	Typical Activities Associated with Supporting Records Management	27
14	Typical Activities in Support of Confirming Qualifications/Certifications	28
15	Key Areas to Verify Certification and Qualification	28
16	Typical Incident Considerations	29
17	List of References—Foundational	29

A.1	Monitoring Requirements for Survey Inspection	33
A.2	Information Requirements for Survey Inspection	34
A.3	Prior to Commencing Work	35
A.4	Safety Concerns for Surveying	35
A.5	Typical Monitoring Requirements for Environmental Considerations	35
A.6	Typical Monitoring Requirements—General	36
A.7	Typical Monitoring Requirements for Buried Facilities Location	36
A.8	Typical Monitoring Requirements for Right-of-Way	37
A.9	Typical Monitoring Requirements for Ditch Line	37
A.10	Typical Monitoring Requirements for Crossings	38
A.11	Typical Monitoring Requirements for Appurtenances	38
A.12	Typical Monitoring Requirements for As-Builts	38
A.13	Typical Monitoring Requirements for Pilings	39
A.14	Typical Monitoring Requirements for Caliper Piggings	39
A.15	Typical Reporting Requirements	39
A.16	List of References—Survey	40
A.17	Monitoring Requirements for Clearing and Grading	41
A.18	Information Requirements for Clearing and Grading	42
A.19	Prior to Commencing Work	43
A.20	Safety Concerns for Clearing and Grading	43
A.21	Typical Monitoring Requirements for Environmental Considerations	43
A.22	Typical Monitoring Requirements for Clearing	44
A.23	Typical Monitoring Requirements for Temporary Workspaces	44
A.24	Typical Monitoring Requirements for Access Road Preparation	44
A.25	Typical Monitoring Requirements for Gates and Fences	44
A.26	Typical Monitoring Requirements for Buried Facilities	44
A.27	Typical Monitoring Requirements for Timber Processing	45
A.28	Typical Monitoring Requirements for Grubbing	47
A.29	Typical Monitoring Requirements for Snow Berms	47
A.30	Typical Monitoring Requirements for Grade Rock Blasting and Removal	47
A.31	Typical Monitoring Requirements for Wetlands	47
A.32	Typical Monitoring Requirements for Topsoil Stripping	47
A.33	Typical Monitoring Requirements for Grading	48
A.34	Typical Reporting Requirements	48
A.35	List of References—Clearing and Grading	48
A.36	Typical Monitoring Requirements for Executing Stockpiling and Stringing Operations	49
A.37	Information Requirements for Stringing and Stockpiling	50
A.38	Prior to Commencing Work	50
A.39	Safety Concerns for Stringing and Stockpiling	51
A.40	Typical Monitoring Requirements for Environmental Considerations	51
A.41	Monitoring Requirements for Receiving/Custody Transfer	51
A.42	Monitoring Requirements for Transport and Handling	52
A.43	Monitoring Requirements for Storage and Stockpiling	53
A.44	Monitoring Requirements for Identifying and Addressing Pipe Damage	53
A.45	Monitoring Requirements for Stringing	53
A.46	Typical Reporting Requirements	54
A.47	List of References—Stockpiling and Stringing	54
A.48	Monitoring Requirements for Field Bending	55
A.49	Information Requirements for Field Bending	56
A.50	Prior to Commencing Work	56
A.51	Safety Concerns for Field Bending	56
A.52	Typical Monitoring Requirements for Environmental Considerations	56
A.53	Typical Monitoring Requirements for Field Bending	57
A.54	Typical Reporting Requirements	57
A.55	List of References—Field Bending	58
A.56	Monitoring Requirements for Ditching and Excavation	59

A.57	Information Requirements for Ditching and Excavation	60
A.58	Prior to Commencing Work.....	61
A.59	Safety Concerns for Ditching and Excavation	62
A.60	Typical Monitoring Requirements for Environmental Considerations	63
A.61	Typical Monitoring Requirements for Excavation Equipment.....	63
A.62	Typical Monitoring Requirements for Trench Excavating	64
A.63	Typical Monitoring Requirements for Trenching through Rock	64
A.64	Typical Monitoring Requirements for Crossing Underground Facilities (Encroachment).....	65
A.65	Typical Monitoring Requirements for Ditch Plugs and Subdrains/Drain Tiles	65
A.66	Typical Monitoring Requirements for Cold Weather Considerations	65
A.67	Typical Monitoring Requirements for Additional Work Items	66
A.68	Typical Monitoring Requirements for Historic Sites	66
A.69	Typical Reporting Requirements	66
A.70	List of References—Ditching and Excavation.....	66
A.71	Monitoring Requirements for Welding	67
A.72	Information Requirements for Welding.....	68
A.73	Prior to Commencing Work.....	68
A.74	Safety Concerns for Welding	69
A.75	Typical Monitoring Requirements for Environmental Considerations	69
A.76	Typical Monitoring Requirements for Welding Operations	69
A.77	Typical Reporting Requirements	70
A.78	List of References—Welding.....	71
A.79	Monitoring Requirements for Coating.....	72
A.80	Information Requirements for Coating	72
A.81	Prior to Commencing Work.....	73
A.82	Safety Concerns for Coating.....	73
A.83	Typical Monitoring Requirements for Environmental Considerations	73
A.84	Typical Monitoring Requirements for General Pipe Surface Preparation and Coating Operations..	74
A.85	Typical Reporting Requirements	75
A.86	List of References—Coating	75
A.87	Monitoring Requirements for Lowering-In.....	76
A.88	Information Requirements for Lowering-In	77
A.89	Prior to Commencing Work.....	78
A.90	Safety Concerns for Lowering-In.....	78
A.91	Typical Monitoring Requirements for Environmental Considerations	78
A.92	Typical Monitoring Requirements for Trench Base Preparation.....	79
A.93	Typical Monitoring Requirements for Pipe Handling for Lowering-In	79
A.94	Typical Monitoring Requirements for Trenchless or Cased Crossings	80
A.95	Typical Monitoring Requirements for Buoyancy Control	81
A.96	Typical Reporting Requirements	81
A.97	List of References—Lowering-In	81
A.98	Monitoring Requirements for Horizontal Directional Drilling Installation	82
A.99	Information Requirements for Horizontal Directional Drilling Installation	83
A.100	Prior to Commencing Work.....	84
A.101	Safety Concerns for Horizontal Directional Drilling Installation	85
A.102	Typical Monitoring Requirements for Environmental Considerations	85
A.103	Typical Monitoring Requirements for General Horizontal Directional Drilling Operations.....	86
A.104	Typical Monitoring Requirements Prior to Horizontal Directional Drilling (Onsite)	87
A.105	Typical Monitoring Requirements for Pilot Hole Operations.....	87
A.106	Typical Monitoring Requirements for Reaming Operations	87
A.107	Typical Monitoring Requirements for Pull Back Operations	88
A.108	Typical Monitoring Requirements for Post-installation	88
A.109	Typical Monitoring Requirements for Clean-up Operations	89
A.110	Typical Reporting Requirements	89
A.111	List of References—Horizontal Directional Drilling Installation.....	90
A.112	Monitoring Requirements for Backfilling.....	91

A.113	Information Requirements for Backfilling.....	92
A.114	Prior to Commencing Work.....	92
A.115	Safety Concerns for Backfilling	93
A.116	Typical Monitoring Requirements for Environmental Considerations	93
A.117	Typical Monitoring Requirements for Backfilling Operations	93
A.118	Typical Monitoring Requirements for Materials.....	95
A.119	Typical Monitoring Requirements for Pre-heating Operations (if Required)	95
A.120	Typical Monitoring Requirements for Special Locations.....	96
A.121	Typical Monitoring Requirements for Primary and Secondary Roads—Bored	96
A.122	Typical Monitoring Requirements for Open-cut Roads.....	96
A.123	Typical Monitoring Requirements for Horizontal Directional Drilling.....	96
A.124	Typical Reporting Requirements	97
A.125	List of References—Backfilling	97
A.126	Monitoring Requirements for Cathodic Protection	98
A.127	Information Requirements for Cathodic Protection	99
A.128	Prior to Commencing Work.....	99
A.129	Safety Concerns for Cathodic Protection	99
A.130	Typical Monitoring Requirements for Environmental Considerations	100
A.131	Typical Monitoring Requirements for Cathodic Protection Installation	100
A.132	Typical Monitoring Requirements for Cathodic Protection at Third-Party Pipeline Crossings ..	100
A.133	Typical Reporting Requirements	101
A.134	List of References—Cathodic Protection	102
A.135	Monitoring Requirements for Hydrostatic Testing	103
A.136	Information Requirements for Hydrostatic Testing	104
A.137	Prior to Commencing Work.....	105
A.138	Safety Concerns for Hydrostatic Testing.....	105
A.139	Typical Monitoring Requirements for Environmental Considerations	105
A.140	Typical Monitoring Requirements for Preparing Test Sections	106
A.141	Typical Monitoring Requirements for Preparing for Pressure Test.....	106
A.142	Typical Monitoring Requirements for Filling the Pipe.....	107
A.143	Typical Monitoring Requirements for Preparing for Pressurization	107
A.144	Typical Monitoring Requirements for Establishing Pressure-Volume Curve	107
A.145	Typical Monitoring Requirements for Leak Check	108
A.146	Typical Monitoring Requirements for Strength Test	108
A.147	Typical Monitoring Requirements for Leak Test.....	108
A.148	Typical Monitoring Requirements for Leak or Failure Investigation	108
A.149	Typical Monitoring Requirements for Depressurizing	109
A.150	Typical Monitoring Requirements for Dewatering	109
A.151	Typical Monitoring Requirements for Test Head Removal/Replacement.....	109
A.152	Typical Monitoring Requirements for Drying and Cleaning	110
A.153	Typical Reporting Requirements	110
A.154	List of References—Hydrostatic Testing	111
A.155	Monitoring Requirements for Clean-up and Restoration	112
A.156	Information Requirements for Clean-up and Restoration	113
A.157	Prior to Commencing Work.....	113
A.158	Safety Concerns for Clean-up and Restoration	113
A.159	Typical Monitoring Requirements for Environmental Considerations	114
A.160	Typical Monitoring Requirements for General Clean-up and Restoration	114
A.161	Typical Monitoring Requirements for Topsoil Replacement	115
A.162	Typical Monitoring Requirements for Terraces, Drainage, and Slope Protection.....	115
A.163	Typical Monitoring Requirements for Diversion Berms.....	115
A.164	Typical Monitoring Requirements for Watercourses and Crossings	115
A.165	Typical Monitoring Requirements for Roads.....	116
A.166	Typical Monitoring Requirements for Replanting and Reseeding	116
A.167	Typical Monitoring Requirements for Fencing.....	116
A.168	Typical Reporting Requirements	117

A.169	List of References—Clean-up and Restoration.....	117
A.170	Monitoring Requirements for Post-construction Inspection	118
A.171	Information Requirements for Post-construction Inspection.....	118
A.172	Prior to Commencing Work.....	119
A.173	Safety Concerns for Post-construction Inspection	119
A.174	Typical Monitoring Requirements for Environmental Considerations	119
A.175	Typical Monitoring Requirements for General Post-construction Inspection	120
A.176	Typical Reporting Requirements	121
A.177	List of References—Post-construction Inspection.....	121
G.1	Applicable Regulations for the United States and Canada.....	133

Pipeline Construction Inspection

1 Scope

This recommended practice covers the basic requirements and their associated references needed to perform inspection activities safely and effectively during onshore pipeline construction. This recommended practice provides the details related to the role of the operator's pipeline construction inspector ("Inspector"), in terms of monitoring and inspection requirements throughout the lifecycle of the pipeline construction process. This document is written to address general inspection duties. Areas of specialty inspection are noted and are beyond the scope of this document (in-line inspection and anomaly evaluation are not included in this document's scope). This includes basic knowledge of, and where to find, detailed information related to each facet of pipeline construction inspection activities.

The scope of this document is limited to gas and liquid pipeline construction. Specifically, content is focused on those items that are relevant to the role of an Inspector as it relates to best practices within the industry in the United States and Canada. This document provides Inspectors with background and context, beyond existing regulation, regarding best practices in the industry. Whereas the content is organized in a manner consistent with construction of new facilities, where relevant, the content can also be applied to construction associated with existing facilities (e.g. maintenance-related activities).

Users of this document include pipeline Owner Companies and those individuals either engaged in pipeline construction inspection or seeking to become certified inspectors. Pipeline Owner Companies and pipeline inspection service companies may also use this document to develop their inspection processes and responsibilities for inspectors, as well as to develop and enhance their inspector training programs.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Standard 1104, *Welding of Pipelines and Related Facilities*

CGA ¹, *Best Practices*

3 Terms, Definitions, and Abbreviations

For the purposes of this document, the following terms and definitions apply.

3.1 Terms and Definitions

3.1.1

activity quality plan

AQP

Document(s) that establishes procedures, minimum personnel qualifications, roles and responsibilities, inspection methods, and record requirements of construction activities. The intent of an activity quality plan (AQP) is to identify quality concerns and methods of control.

¹ Common Ground Alliance, 908 King Street, Suite 330, Alexandria, VA 22314, <https://commongroundalliance.com>.