

CODE REQUIREMENTS FOR DIMP PROJECTS IN PSIA

	<u>DIMP Project</u>	<u>Scope</u>	<u>Code Reference</u>
1.	AMRP	AMRP is a multi-year renewal effort focused on cast iron, bare steel, and PVC mains and the associated services.	<ul style="list-style-type: none"> • 49 C.F.R. § 192.1007(d) • The PVC replacement work was generated in alignment with Advisory Bulletins on brittle cracking tendencies: <ul style="list-style-type: none"> ○ PHMSA Advisory Bulletin ADB-07-01 http://www.gpo.gov/fdsys/pkg/FR-2007-09-06/pdf/07-4309.pdf ○ PHMSA Advisory Bulletin ADB-02-07 http://www.gpo.gov/fdsys/pkg/FR-2002-12-03/pdf/02-30615.pdf • Mechanical Couplings: PHMSA Advisory Bulletin ADB-08-02: http://www.gpo.gov/fdsys/pkg/FR-2008-03-04/pdf/E8-4155.pdf • Cast Iron: PHMSA Advisory Bulletin ADB-12-05: https://www.govinfo.gov/content/pkg/FR-2012-03-23/pdf/2012-7080.pdf
2.	Programmatic Pipe Replacement Program (PPRP)	This replacement project includes three pipe types: Vintage Steel mains and associated services, Coupled Intermediate Pressure (“IP”) mains, and Aldyl-A mains and services. The pipe segments targeted for replacement are risk-ranked based on history of leakage, steel pipes with cathodic protection issues associated with the coating or identified through a direct assessment, and materials addressed in PHMSA advisory bulletins such as Aldyl-A and those pipes utilizing compression couplings.	<ul style="list-style-type: none"> • 49 C.F.R. § 192.1007(d) • The Aldyl-A replacement project was generated following Advisory Bulletins on brittle cracking tendencies: <ul style="list-style-type: none"> ○ PHMSA Advisory Bulletin ADB-07-01 http://www.gpo.gov/fdsys/pkg/FR-2007-09-06/pdf/07-4309.pdf ○ PHMSA Advisory Bulletin ADB-02-07 http://www.gpo.gov/fdsys/pkg/FR-2002-12-03/pdf/02-30615.pdf • PHMSA has released advisory bulletins concerning potential risks of mechanical compression couplings: <ul style="list-style-type: none"> ○ PHMSA Advisory Bulletin ADB-08-02 http://www.gpo.gov/fdsys/pkg/FR-2008-03-04/pdf/E8-4155.pdf and https://www.govinfo.gov/content/pkg/FR-2008-03-26/pdf/E8-6155.pdf

CODE REQUIREMENTS FOR TIMP PROJECTS IN PSIA

	TIMP Project	Scope	Code Reference
1.	Transmission Pipeline Assessments and Repairs	This project performs health and condition assessments of transmission pipelines. The federal code requires assessment of transmission pipelines using limited approved methods including In Line Inspection (“ILI”), Pressure Testing or Direct Assessment. The requirements are further defined in the Company’s TIMP manual.	<ul style="list-style-type: none"> • 49 C.F.R. § 192 Subpart O
2.	Maximum Allowable Operating Pressure Project	PHSA requires that all MAOP are supported by records that are traceable, verifiable and complete. Pipelines in need of remediation are prioritized for renewal or pressure tests based on a variety of factors. Remediation options include replacement, de-rate, or pressure test and material validation.	<ul style="list-style-type: none"> • 49 C.F.R. § 192.624 • PHMSA Advisory Bulletin ADB-12-06 https://www.govinfo.gov/content/pkg/FR-2012-05-07/pdf/2012-10866.pdf • PHMSA Pipeline Safety: Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments https://www.govinfo.gov/content/pkg/FR-2019-10-01/pdf/2019-20306.pdf
3.	Automatic Shut-off/Remote Control Valves	The goal of the ASV/RCV project is to install actuation and controls on existing mainline valves, allowing faster system shut down in the event of an unplanned gas release from gas transmission pipelines.	<ul style="list-style-type: none"> • 49 C.F.R. § 192.935(c) • Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011, Section 4, codified at 49 U.S.C.A. § 60102(n)