ENBRIDGE
Life Takes Energy

Gas Transmission & Midstream

Pressure Control/Overpressure Protection Calibration & Inspection Report

Email completed form to meastechservices@enbridge.com or fax to 403.718.3541

All white boxes must be fully and accurately completed to meet compliance

Section A — CUSTOMER INFORMATION *(to be completed by the RPO)*

Receipt Point #		**Receipt Point Owner (RPO)**	
Receipt Point Location		**Calibration Company**	

Note: Separate reports must be completed for each gas and liquid stream	**Calibration & Inspection Report for**	**Gas System** ☐ **or Liquid System** ☐
Have changes been made since the last Calibration & Inspection Date?		**No** ☐ **Yes** ☐
Calibration & Inspection Date		*Month* / *Day* / *Year*

Section B — CALIBRATION *(to be completed by the Technician)*

PC/OPP Device Information		Pressure Control (PC)	Overpressure Protection (OPP)
Sensing Device	**Engineering Tag #** *(Must Match P&ID)*		
	Description *(Make & Model)*		
Shutdown Device	**Engineering Tag #** *(Must Match P&ID)*		
	Description *(Make & Model)*		
Calibration Set Point	**As Found**	kPa ☐ psi ☐	kPa ☐ psi ☐
	As Left	kPa ☐ psi ☐	kPa ☐ psi ☐
Seal #s	**Optional** *(Enter N/A if not required)*		

Section C — INSPECTION & ASSESSMENT *(to be completed by the RPO)*

CSA Z662-19 System Requirements	PC System	OPP System
1. The system is sealed and protected from unauthorized operation – *CSA Z662-19 4.18.2 (e)*	*RPO Initial to confirm*	*RPO Initial to confirm*
2. The system was fully function tested and responded to prevent the downstream pressure from exceeding the Enbridge specified pressure limits – *CSA Z662-19 10.9.5.2 (a & b)* *Note – this requirement does not apply to certified and sealed PSVs/PRVs*	*RPO Initial to confirm*	*RPO Initial to confirm*
3. The system is properly installed and protected from dirt, ice, snow or other conditions that could prevent its proper operation – *CSA Z662-19 10.9.5.2 (c)*	*RPO Initial to confirm*	*RPO Initial to confirm*
4. The capacity of pressure-relieving system(s) was assessed and determined to be adequate to protect the Enbridge pipeline from all pressure sources – *CSA Z662-19 10.9.5.3 (a)*	*N/A*	*RPO Initial to confirm*

Section D — PSV/PRV DECLARATION *(to be completed by the RPO's Engineer - only applicable if OPP device is a PSV/PRV)*

As a registered Professional Engineer, I certify that I have reviewed the capacity of the PSV/PRV designated as the OPP device since the last calibration, and I confirm the PSV/PRV is sized adequately to protect the Enbridge pipeline against all pressure sources upstream of the PSV/PRV

P. Eng. # / Province	*Engineer Name (print)*	*Phone Number*	*Engineer Signature*	*Month* / *Day* / *Year*

Section E — SIGNATURES *(to be completed by the RPO and the Technician)*

Calibration Performed by	*Technician Name (print)*	*Phone Number*	*Technician Signature*	*Month* / *Day* / *Year*
Calibration Witnessed by	*Witness Name (print)*	*Phone Number*	*Witness Signature*	*Month* / *Day* / *Year*
Receipt Point Owner	*Customer Name (print)*	*Phone Number*	*Customer Signature*	*Month* / *Day* / *Year*

PRESSURE CONTROL/OVERPRESSURE PROTECTION CALIBRATION & INSPECTION REPORT INSTRUCTIONS

- All white boxes must be fully and accurately completed to meet compliance
- The Technician *must* obtain a copy of the Enbridge approved PC/OPP P&ID from the Receipt Point Owner (RPO) for use and reference prior to completing the onsite calibration

Section A — CUSTOMER INFORMATION

General Comments

- To be completed by the RPO

Have changes been made since the last Calibration & Inspection Date?

- Field devices must be verified against the Enbridge approved PC/OPP P&ID
- If there is a change to the designated PC/OPP design, devices, Pressure Control or Overpressure Protection limits, etc., these changes must be reviewed and approved by Enbridge prior to implementation
- If you have checked "Yes" then a ***Receipt Point Change Form*** must be submitted to Enbridge

Calibration & Inspection Date

- PC/OPP designated devices must be inspected, assessed, and tested annually prior to October 1st of each calendar year with a maximum interval of 12 months from the previous year's inspection and calibration

Section B — CALIBRATION

General Comments

- To be completed by the Technician; please sign the "Calibration Performed by" field after completing this section
- Engineering tags for PC/OPP devices must match the Enbridge approved PC/OPP P&ID

Sensing Device/Shutdown Device

- PSV/PRV cannot be designated as Pressure Control
- PSV's must be removed from service and recertified at an accredited facility; please attach the PSV test report to this Calibration & Inspection Report form

Calibration Set Point

- When tested, the PC system must trip and respond such that the downstream pressure never exceeds 100% of the Enbridge specified MOP; therefore, the operational delay of devices (repeatability, hysteresis, valve transit time, etc.) must be accounted for in the design and set point of the system
- When tested, the OPP system must trip and respond such that the downstream pressure never exceeds 110% of the Enbridge specified MOP; therefore, the operational delay of devices (repeatability, hysteresis, valve transit time, etc.) must be accounted for in the design and set point of the system

Seal #s

- Entry of a seal number(s) is optional; enter N/A if not required

Section C — INSPECTION & ASSESSMENT

General Comments

- To be completed by the RPO; please sign the "Receipt Point Owner" field after completing this section
- Bypasses around main process PC/OPP valves are NOT acceptable

Item 3

- If a PSV/PRV is designated as an Overpressure Protection device, a registered Professional Engineer must complete and sign section D.

Section D — PSV/PRV DECLARATION

General Comments

- This section is only applicable if a PSV/PRV is designated as OPP; enter N/A if not applicable
- To be completed and signed by the RPO's Professional Engineer
- The person completing this section must be a registered Professional Engineer and must review all pressure sources upstream of the PSV/PRV; this review must be completed annually to ensure any additional pressure sources that have been added since the last calibration date are factored into the PSV/PRV design capacity

Section E — SIGNATURES

Calibration Performed by

- The Technician who completed Section B

Calibration Witnessed by

- The witness, such as a Enbridge Field Measurement Technician, another Technician from the calibration company, a Receipt Point Owner representative, etc., who must be able to verify the Technician has completed Section B

Receipt Point Owner

- The Receipt Point Owner is the owner of the Receipt Point or a representative acting on behalf of the Receipt Point Owner who completed Section C