Minimum Internal Diameter Listing (ID < 90% OD)

Client: Enbridge Energy Limited Partnership | Run Date: July 31, 2013 | Projection: UTM | Zone: 16

Project: NPS 20 GEOPIG Geometry Inspection | Location: Line 5 Straights of Mackinac-East Loop | Datum: WGS 84 | C.M.: -87

BAKER HUGHES

Feature Identifier	Absolute Distance (ft)	Enbridge Chainage (ft)	Nearest U/S GWD	Dist to U/S GWD (ft)	Dist to D/S GWD (ft)	Internal Diameter (in)	Internal Diameter (%OD)	Length (in)	Northing (m)	Easting (m)	Height (m)	Comments
IDR 1	20,853.52	20,896.9	8350	6.51	19.08	17.96	89.8	10.42	5,072,805.46	673,158.14	153.39	At Bend
IDR 2	20,944.41	20,967.9	8360	16.96	6.02	17.96	89.6	23.97	5,072,776.67	673,152.12	157.56	At Bend
IDR 3	21,199.73	21,243.5	8480	11.60	14.97	17.91	89.6	38.64	5,072,703.06	673,134.02	158.70	At Bend
IDR 4	21,256.81	21,300.7	8500	13.90	12.64	17.98	89.9	53.44	5,072,688.74	673,124.74	159.34	At Bend
IDR 5	21,759.51	21,803.5	8770	10.58	14.69	17.96	89.8	91.23	5,072,714.70	672,976.40	163.10	At Bend