Measurement Error Register

Application Committee Co	Unique Reference Number	DN Reference	Description	Offtake	LDZ	Downstream Transporter	Significance Low <30GWH Medium >=30<50GWh High >=50GWh	Declared volume of error (MCM)	Estimated quantity of error (GWh)	Over or Under Read?	Discovered	Error First Notified	First Gas Day Where Error Present or;	Last Known Good Gas Day	Last Gas Day Where Error Present	Latest Notification Update	Latest Error Status	Live/ Closed	Invoice issued by Xoserve
MERICAD/21/23 MERICAD/21/2	<u>EA020</u>	MER/CAD/219/22	ultrasonic meter stream for measurement of gas exiting the grid entry unit (GEU) and entering the distribution network (referred to as Fiscal USM). A second 2" Sick FlowSic500 ultrasonic meter is located on the inlet to the GEU for process control (referred to in this report as Inlet USM). Propane injection is used to control the gas properties (e.g. caloritic value, Wobbe number, etc.) to meet the requirements of the Gas Safety (Management). Regulations (GS(M)R). Gas that is not within specification is rejected by a diverter valve. During normal operation the Fiscal USM will read slightly higher (~49 Sm3/h) than the Inlet	Westry	EA	Cadent Gas Limited – DN (EA)	Low	0.016510	0.180000	твс	13/08/2022	29/05/2022	29/05/2022	28/05/2022	23/08/2022	18/01/2023	MER Published	Live	
MERCAD/25/23 MERCAD/25/23 MERCAD/25/23 MERCAD/25/23 Mercanization	EA024	MER/CAD/247/23		Westry	EA	Cadent Gas Limited – DN (EA)	not provided	TBC	TBC	TBC	11/04/2023	11/04/2023	11/04/2023		TBC	18/01/2023	Error Notified	Live	
EM012	EA026	MER/CAD/274/23		Attleborough Bio Site	EA	Cadent Gas Limited – DN (EA)	Low	0.000023	0.00126907	Under	28/12/2023	28/12/2023	28/12/2023		03/01/2024	25/04/2024	MER Published	Live	
MERICAD/24825 MERICAD/2482	EM010	MER/CAD/211/21	Drift of ultrasonic meter flow readings	Hemswell Cliff	EM	Cadent Gas Limited – DN (EM)	Low	0.27543	3	TBC	10/05/2021	13/09/2021	20/09/2019		11/05/2021	16/02/2022		Live	
Multiple flow owners received between Spet 23 and Dec 23 - Propages lighterion is used to control the gas properties (e.g. colinific value, but the control for gas properties (e.g. colinif	EM017	MER/CAD/248/23		Stanton Bio	ЕМ	Cadent Gas Limited – DN (EM)	not provided	TBC	TBC	TBC	14/06/2023	14/06/2023	14/06/2023		24/09/2023	20/11/2023	MER in	Live	
It was reported by the BNE's late that the flower on their Hild system during valve closure's which led Cadent Gas Limited – DN (EM) Low TBC TBC Under 20/07/2023 20/07/2023 20/07/2023 25/04/2024 MER Published Live 20/07/2023 25/04/2023	EM018	MER/CAD/257/23	and Dec 23 - Propane injection is used to control the gas properties (e.g. calorific value, Wobbe number, etc.) Contamination on the Fiscal ultrasonic meter transducers, likely from the propane injection system, has caused the	Derby	EM	Cadent Gas Limited – DN (EM)	Low	0.000455	0.00393	Over	02/09/2023	02/09/2023	02/09/2023		11/12/2023	14/03/2024		Live	
MERICAD/28/23 2019/12/23	<u>EM020</u>	MER/CAD/253/23	It was reported by the BNEF site that the flowrates were 'frozen' on their HMI system during valve closure's which led Cadent control to believe there was a flow	Scampton	EM	Cadent Gas Limited – DN (EM)	Low	ТВС	ТВС	Under	20/07/2023	20/07/2023	20/07/2023		20/07/2023	25/04/2024	MER Published	Live	
NO018 MER NO018 Temprature error Humbleton MRA NO Northern Gas Networks - DN Low 0.00178961 0.20229507 Under 29/01/2023 39/01/2023 0.906/2024 29/01/2023 19/02/2024 16/04/2024 Error Notified Live November	EM021	MER/CAD/269/23		Stanton Energy	ЕМ	Cadent Gas Limited – DN (EM)	Low	0.000098	0.000798	Over	25/09/2023	25/09/2023	24/09/2023		25/09/2023	25/04/2024	MER Published	Live	
NVO16 MER/CAD/261/23 diameter (d) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and Human error led to entering K-Factors and September (a) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and September (a) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and September (a) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and September (a) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and Human error led to entering K-Factors and September (a) was updated to revert back to size used before the last ME2 Human error led to entering K-Factors and Human error led to entering	NO018	MER NO018					Low	0.00178961		Under								Live	
MER/CAD/261/23 diameter (d) was updated to revert back to size Weston Point MTB NW Cadent Gas Limited - DN (NW) Low TBC TBC 11/08/2023 11/08/2023 13/06/	NO019	NO019		Pickering MTA	NE	Northern Gas Networks - DN	Low	0.105	1.2	Under	15/02/2024	01/03/2024	13/02/2024		15/02/2024	16/04/2024	MER Published	Live	
SW038 MER/WWU/SW038 frequencies for both streams into the Omni flow computer incorrectly updated in Flow Computer on site Sick flow computer on site Si	<u>NW016</u>	MER/CAD/261/23	diameter (d) was updated to revert back to size used before the last ME2	Weston Point MTB	NW	Cadent Gas Limited - DN (NW)	Low	TBC	твс	твс	11/08/2023	11/08/2023	13/06/2023	13/06/2023	11/08/2023	20/11/2023	Error Notified	Live	
WM027 MER/CAD/238/23 Disrepency found between metering system and RTU. Atherstone MRA MRB Combined WM Cadent Gas Limited – DN (WM) not provided TBC TBC D8/06/2023 TBC TBC 14/06/2023 Error Notified Live WM030 MER/CAD/227/22 Intermittent flow on USM - Propane contamination Brinklow WM Cadent Gas Limited – DN (WM) Low 0.000020 0.000000 TBC 29/11/2022 29/11/2022 25/11/2022 26/11/2022 14/03/2024 MER Published Live WM031 MER/CAD/259/23 Sick flow computer failed due internal electronic fault Atherstone MRB WM Cadent Gas Limited – DN (WM) not provided TBC TBC 19/10/2023 24/10/2023 13/10/2023 TBC 24/10/2023 Error Notified Live WM032 MER/CAD/260/23 K Factors incorrectly updated in Flow Computer on site Lower Quinton UMA/UMB Combined WM Cadent Gas Limited – DN (WM) Low TBC TBC 18/07/2023 28/07/2023 05/09/2022 28/07/2023 07/11/2023 Error Notified Live WM033 M	SW038	MER/WWU/SW038	frequencies for both streams into the Omni flow	Easton Grey MTA	sw	Wales & West Utilities - DN	Low	0.520000	5.490000	TBC	02/03/2023	21/04/2023	15/06/2020		18/04/2023	21/04/2023	MER Published	Live	
wmm031 MER/CAD/259/23 Contamination Wmm031 MER/CAD/259/23 Contamination Wmm032 MER/CAD/259/23 Sick flow computer failed due internal electronic fault Atherstone MRB Wmm032 MER/CAD/269/23 MER/CAD/269/23 24/10/2023 24/10/2023 13/10/2023 24/10/2023 13/10/2023 24/10/2023 Error Notified Live wmm032 MER/CAD/269/23 K Factors incorrectly updated in Flow Computer following upgrade of Flow Computer on site Lower Quinton UMA/UMB Combined Wmm032 TBC 28/07/2023 28/07/2023 05/09/2022 28/07/2023 07/11/2023 Error Notified Live wmm033 MER/CAD/269/23 Isentropic Exponent entered incorrectly into OMNI should during previous ME/2 COMNI sh	WM027	MER/CAD/238/23			WM	Cadent Gas Limited – DN (WM)	not provided	TBC	TBC	TBC	08/06/2023	08/06/2023	твс		TBC	14/06/2023	Error Notified	Live	
WM031 MER/CAD/259/23 Sick flow computer failed due internal electronic fault Atherstone MRB WM Cadent Gas Limited – DN (WM) not provided TBC TBC 19/10/2023 24/10/2023 13/10/2023 Error Notified Live WM032 MER/CAD/260/23 K Factors incorrectly updated in Flow Computer on site Combined WM Cadent Gas Limited – DN (WM) Low TBC TBC 28/07/2023 28/07/2023 05/09/2022 28/07/2023 07/11/2023 Error Notified Live WM033 MER/CAD/266/23 Isentropic Exponent entered incorrectly into OMNI should during previous ME/2 Alrewas WM MTA/MTB Combined WM Cadent Gas Limited – DN (WM) not provided TBC TBC TBC 13/11/2023 13/	<u>WM030</u>	MER/CAD/227/22		Brinklow	WM	Cadent Gas Limited – DN (WM)	Low	0.000020	0.000000	TBC	29/11/2022	29/11/2022	25/11/2022		26/11/2022	14/03/2024	MER Published	Live	
MERICAD/250/25 MERI	<u>WM031</u>	MER/CAD/259/23	Sick flow computer failed due internal	Atherstone MRB	WM	Cadent Gas Limited – DN (WM)	not provided	TBC	TBC	TBC	19/10/2023	24/10/2023	13/10/2023		TBC	24/10/2023	Error Notified	Live	
MENICAD/250/25 MicroCAD/250/25 MicroCAD/25	WM032	MER/CAD/260/23	following upgrade of Flow Computer on site	Combined	WM	Cadent Gas Limited – DN (WM)	Low	TBC	TBC	TBC	28/07/2023	28/07/2023	05/09/2022	05/09/2022	28/07/2023	07/11/2023	Error Notified	Live	
	<u>WM033</u>	MER/CAD/265/23			WM	Cadent Gas Limited – DN (WM)	not provided	TBC	TBC	TBC	13/11/2023	13/11/2023	23/05/2023	22/05/2023	13/11/2023	13/11/2023	Error Notified	Live	
	WM034	MER/CAD/258/23		Strongford	WM	Cadent Gas Limited – DN (WM)	Low	230.000000	0.000246	Over	11/09/2023	11/09/2023	11/09/2023	11/09/2023	11/09/2023	25/04/2024	MER Published	Live	
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