



TECHNICAL SUPPORT UNIT REPORT

EMF Survey at Eastlands Primary (100138)

Report Number	8682
Job Number	8682
Date	04/09/2023
Engineer	G Batty
Company	ENWL
Circulation	S Forshaw

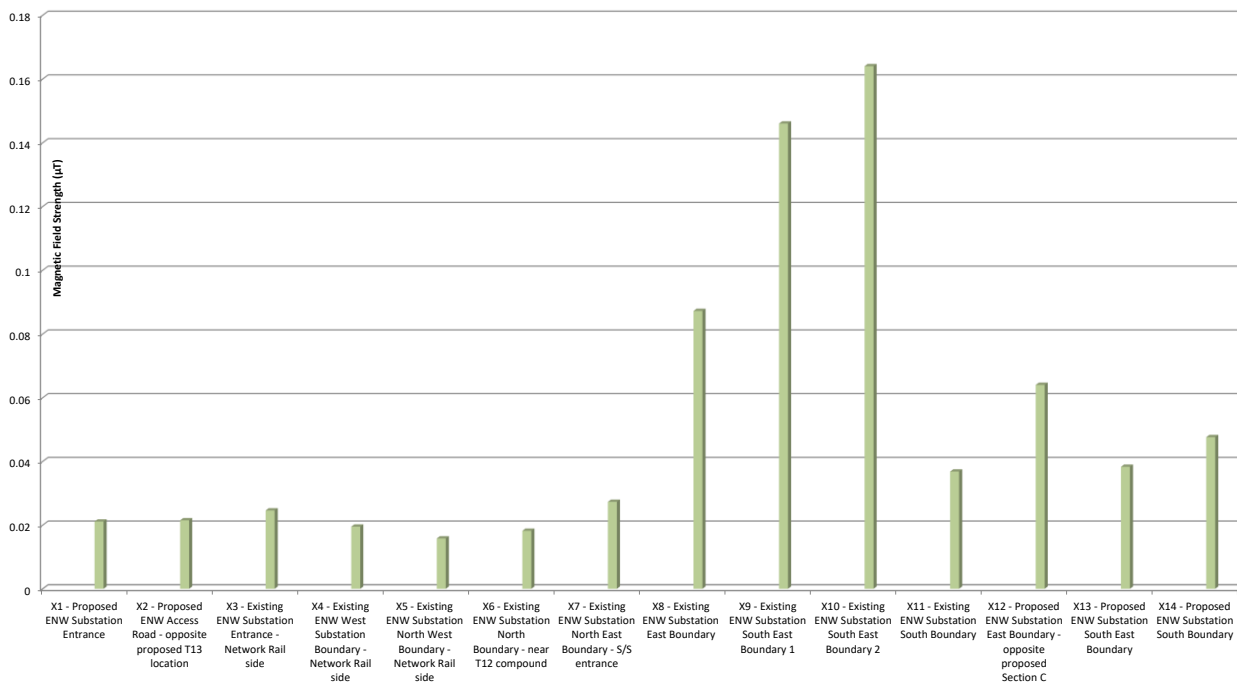


Magnetic Field Measurement Summary



Requester	S Forshaw
ENW Department	South Transmission Capital Delivery
TSU Reference	8682
TSU Report Number	8682
Further Measurements Required	No
Remedial Action Required	No
Case Reference	N/A
Date & Time of Measurement	26/06/23 - 13:15 onwards
Associated ENW Asset	Eastlands Primary (100138)

Measurement Location	Magnetic Field Strength (μT)	ICNIRP Ref. Level (μT)	Within ICNIRP Guidance
X1 - Proposed ENW Substation Entrance	0.0211	100	Yes
X2 - Proposed ENW Access Road - opposite proposed T13 location	0.0215	100	Yes
X3 - Existing ENW Substation Entrance - Network Rail side	0.0246	100	Yes
X4 - Existing ENW West Substation Boundary - Network Rail side	0.0195	100	Yes
X5 - Existing ENW Substation North West Boundary - Network Rail side	0.0158	100	Yes
X6 - Existing ENW Substation North Boundary - near T12 compound	0.0182	100	Yes
X7 - Existing ENW Substation North East Boundary - S/S entrance	0.0273	100	Yes
X8 - Existing ENW Substation East Boundary	0.0872	100	Yes
X9 - Existing ENW Substation South East Boundary 1	0.146	100	Yes
X10 - Existing ENW Substation South East Boundary 2	0.164	100	Yes
X11 - Existing ENW Substation South Boundary	0.0368	100	Yes
X12 - Proposed ENW Substation East Boundary - opposite proposed Section C	0.064	100	Yes
X13 - Proposed ENW Substation South East Boundary	0.0383	100	Yes
X14 - Proposed ENW Substation South Boundary	0.0476	100	Yes



Please Note:

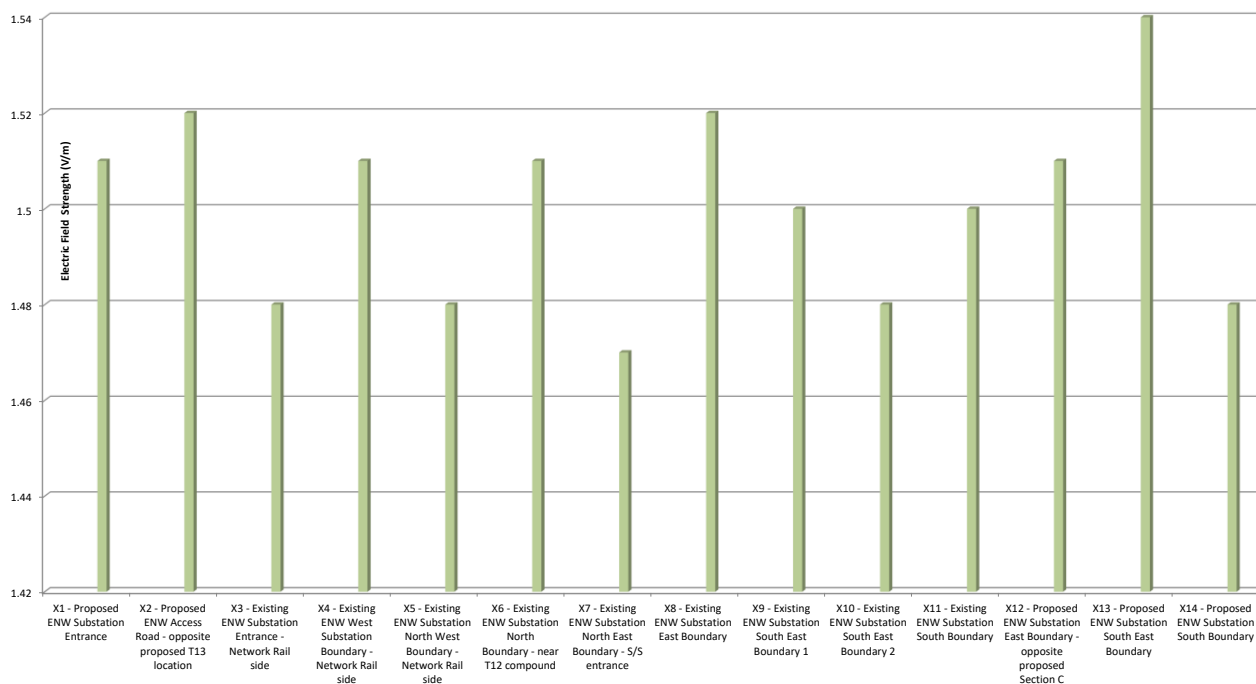
The UK in principle adopt guidelines published by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These guidelines also form the basis of a European union recommendation on public exposure, the ICNIRP 'reference levels' for the public are 100 μT (occupational levels are higher), above this level more investigation is needed.

Electric Field Measurement Summary



Requester	S Forshaw
ENW Department	South Transmission Capital Delivery
TSU Reference	8682
TSU Report Number	8682
Further Measurements Required	No
Remedial Action Required	No
Case Reference	N/A
Date & Time of Measurement	26/06/23 - 13:15 onwards
Associated ENW Asset	Eastlands Primary (100138)

Measurement Location	Electric Field Strength (V/m)	ICNIRP Ref. Level (V/m)	Within ICNIRP Guidance
X1 - Proposed ENW Substation Entrance	1.51	5000	Yes
X2 - Proposed ENW Access Road - opposite proposed T13 location	1.52	5000	Yes
X3 - Existing ENW Substation Entrance - Network Rail side	1.48	5000	Yes
X4 - Existing ENW West Substation Boundary - Network Rail side	1.51	5000	Yes
X5 - Existing ENW Substation North West Boundary - Network Rail side	1.48	5000	Yes
X6 - Existing ENW Substation North Boundary - near T12 compound	1.51	5000	Yes
X7 - Existing ENW Substation North East Boundary - S/S entrance	1.47	5000	Yes
X8 - Existing ENW Substation East Boundary	1.52	5000	Yes
X9 - Existing ENW Substation South East Boundary 1	1.5	5000	Yes
X10 - Existing ENW Substation South East Boundary 2	1.48	5000	Yes
X11 - Existing ENW Substation South Boundary	1.5	5000	Yes
X12 - Proposed ENW Substation East Boundary - opposite proposed Section C	1.51	5000	Yes
X13 - Proposed ENW Substation South East Boundary	1.54	5000	Yes
X14 - Proposed ENW Substation South Boundary	1.48	5000	Yes



Please Note:

The UK in principle adopt guidelines published by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These guidelines also form the basis of a European union recommendation on public exposure, the ICNIRP 'reference levels' for the public are 5000V/m (occupational levels are higher), above this level more investigation is needed.

