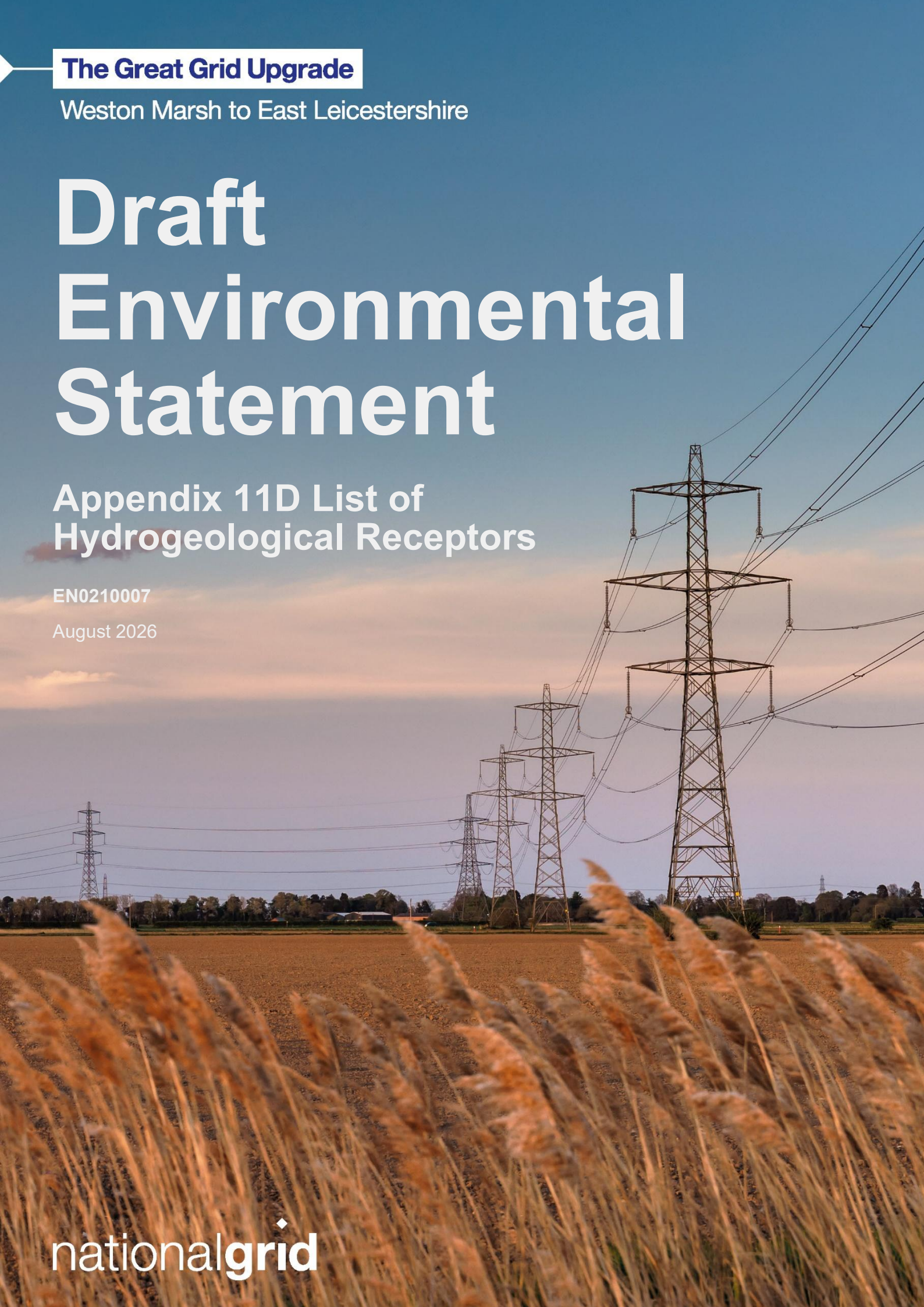




The Great Grid Upgrade

Weston Marsh to East Leicestershire

Draft Environmental Statement

Appendix 11D List of Hydrogeological Receptors

EN0210007

August 2026

nationalgrid

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11D. List of Hydrogeological Receptors

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Table 11D.1 Hydrogeological receptors and their value/ sensitivity

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Section 1			
Tidal Flat Deposits (clay and silt)	Unproductive Superficial Aquifer	Yes	Low
Abbey, Sand and Gravel Member	Secondary A Superficial Aquifer	No	Medium
Oxford Clay Formation	Unproductive Bedrock Aquifer	Yes	Low
SPZ 1	SPZ 1	Yes	Very High
SPZ 2	SPZ 2	Yes	High
SPZ 3	SPZ 3	Yes	Medium
4/30/12/*G/0034	Licensed Abstraction for Public Water Supply	No	Very High
AN/PRNNF12463/001	Discharges	No	N/A
AN/AW5NF560/002	Discharges	No	N/A
AN/PR5LF5445/002	Discharges	No	N/A
AN/EPRFB3299DV/001	Discharges	No	N/A
AN/PRNNF09901/001	Discharges	No	N/A

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
AN/PRNNF12481/001	Discharges	No	N/A
Section 2			
Glaciofluvial Deposits	Secondary A Superficial Aquifer	Yes	Medium
Alluvium	Secondary A Superficial Aquifer	Yes	Medium
River Terrace Deposits	Secondary A Superficial Aquifer	Yes	Medium
Abbey, Sand and Gravel Member	Secondary A Superficial Aquifer	Yes	Medium
Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
River Terrace Deposits	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Tidal Flat Deposits (clay and silt)	Unproductive Superficial Aquifer	Yes	Low
Peat	Unproductive Superficial Aquifer	Yes	Low
Lower Lincolnshire Limestone Member	Principal Bedrock Aquifer	Yes	High
Upper Lincolnshire Limestone Member	Principal Bedrock Aquifer	Yes	Very High
Bilsworth Limestone Formation	Principal Bedrock Aquifer	Yes	High
Northampton Sand Formation	Secondary A Bedrock Aquifer	Yes	Medium
Cornbrash Formation	Secondary A Bedrock Aquifer	Yes	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Kellaways Sand Member	Secondary A Bedrock Aquifer	Yes	Medium
Rutland Formation – Sandstone and Limestone	Secondary B Bedrock Aquifer	Yes	Medium
Grantham Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Whitby Mudstone Formation	Unproductive Bedrock Aquifer	Yes	Low
Mudstone of the Kellaways Clay Member	Unproductive Bedrock Aquifer	Yes	Low
Oxford Clay Formation	Unproductive Bedrock Aquifer	Yes	Low
Welland Limestone Unit B	WER Groundwater Body	Yes	N/A – water environment receptor
Welland Mid Jurassic	WER Groundwater Body	Yes	N/A – water environment receptor
Welland Limestone Unit A	WER Groundwater Body	Yes	N/A – water environment receptor
Witham Lias	WER Groundwater Body	Yes	N/A – water environment receptor
Witham Limestone Unit A	WER Groundwater Body	Yes	N/A – water environment receptor
SPZ 1	SPZ 1	Yes	Very High
SPZ 2	SPZ 2	Yes	High
SPZ 3	SPZ 3	Yes	Medium
4/30/12/*G/0040A	Licensed Groundwater Abstraction	No	High

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
4/30/12/*G/0040B	Licensed Groundwater Abstraction	No	High
4/30/12/*G/0040B	Licensed Groundwater Abstraction	No	High
4/30/12/*G/0040B	Licensed Groundwater Abstraction	No	High
4/30/12/*G/0020	Licensed Groundwater Abstraction	No	High
4/30/12/*G/0302/R03	Licensed Abstraction for Public Water Supply	No	Very High
4/30/12/*G/0301/R03	Licensed Abstraction for Public Water Supply	No	Very High
4/30/12/*G/0218	Licensed Abstraction for Public Water Supply	No	Very High
4/30/12/*G/0218	Licensed Abstraction for Public Water Supply	No	Very High
4/30/12/*G/0218	Licensed Abstraction for Public Water Supply	No	Very High
South Kesteven P4757	Unlicensed groundwater abstraction	No	Medium
South Kesteven P89963	Unlicensed groundwater abstraction	No	Medium
South Kesteven P4756	Unlicensed groundwater abstraction	No	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
South Kesteven P60742	Unlicensed groundwater abstraction	No	Medium
South Kesteven P60873	Unlicensed groundwater abstraction	No	Medium
AN/AW3NFF1135/001	Discharges	No	N/A
AN/ANNNF13155/001	Discharges	No	N/A
AN/PRNNF18713/001	Discharges	No	N/A
AN/PRNNF18659/001	Discharges	No	N/A
AN/ANNNF13465/002	Discharges	No	N/A
AN/AW5NF1811/001	Discharges	No	N/A
AN/AW5NF301/001	Discharges	No	N/A
AN/AW5NF300/010	Discharges	No	N/A
AN/AW3NF312A/001	Discharges	No	N/A
Section 3			
Head	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Oadby Member Glacial Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Thrussington Member	Secondary undifferentiated Superficial Aquifer	Yes	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Alluvium	Secondary A Superficial Aquifer	Yes	Medium
River Terrace Deposits	Secondary A Superficial Aquifer	Yes	Medium
Bytham Sand and Gravel Formation	Secondary A Superficial Aquifer	Yes	Medium
Glaciofluvial Deposits	Secondary A Superficial Aquifer	Yes	Medium
Birstall Member	Secondary A Superficial Aquifer	Yes	Medium
Colluvium	Secondary B Superficial Aquifer	Yes	Medium
Glaciolacustrine deposits	Unproductive Superficial Aquifer	Yes	Low
Bosworth Clay Member	Unproductive Superficial Aquifer	Yes	Low
The Dyrham Formation (sandstone)	Secondary A Bedrock Aquifer	Yes	Medium
Marlstone Rock Formation	Secondary A Bedrock Aquifer	Yes	Medium
Northampton Sand Formation	Secondary A Bedrock Aquifer	Yes	Medium
Charmouth Mudstone Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Blue Lias Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Grantham Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Dyrham Formation (interbedded Siltstone and Mudstone)	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Whitby Formation	Unproductive Bedrock Aquifer	Yes	Low
Jericho Gryphaea Bed	Unproductive Bedrock Aquifer	No	Low
Scunthorpe Mudstone Formations	Unproductive Bedrock Aquifer	Yes	Low
Witham Lias	WER Groundwater Body	Yes	N/A - water environment receptor
Soar - Secondary Channel	WER Groundwater Body	Yes	N/A - water environment receptor
Lower Trent and Erewash - Secondary Combined	WER Groundwater Body	Yes	N/A - water environment receptor
MI/T/54/45330/S/001	Discharges	No	N/A
MI/T/54/45703/R/001	Discharges	No	N/A
MI/T/55/02317/O/001	Discharges	No	N/A
MI/EPRCB3897VE/001	Discharges	No	N/A
MI/EPRYB3094EJ/001	Discharges	No	N/A
MI/T/54/40013/S/001	Discharges	No	N/A
MI/EPRAP3427GF/001	Discharges	No	N/A
MI/T/55/20905/S/001	Discharges	No	N/A
MI/3/28/55/2585/001	Discharges	No	N/A

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
MI/T/55/20577/S/001	Discharges	No	N/A
MI/EPRDP3524XL/001	Discharges	No	N/A
MI/T/55/10305/S/001	Discharges	No	N/A
MI/EPRYB3094AA/001	Discharges	No	N/A
Twenty Acre Piece (SSSI)	GWDTE	Yes	Very High/ High
Section 4			
Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Oadby Member Glacial Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Glaciofluvial Deposits	Secondary A Superficial Aquifer	Yes	Medium
Head	Secondary A Superficial Aquifer	Yes	Medium
River Terrace Deposits	Secondary A Superficial Aquifer	Yes	Medium
Alluvium	Secondary A Superficial Aquifer	Yes	Medium
Colluvium	Secondary B Superficial Aquifer	Yes	Medium
Charmouth Mudstone Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Dyrham Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Marlstone Rock Formation	Secondary A Bedrock Aquifer	Yes	Medium
Whitby Mudstone Formation	Unproductive Bedrock Aquifer	Yes	Low
Soar - Secondary Channel	WER Groundwater Body	Yes	N/A - water environment receptor
Welland Lower Jurassic Unit	WER Groundwater Body	Yes	N/A - water environment receptor
Warwickshire Avon - Secondary Mudrocks	WER Groundwater Body	Yes	N/A - water environment receptor
Harborough 12/0001/ spring	Unlicensed groundwater abstraction	No	Medium
Harborough 12/00004/spring	Unlicensed groundwater abstraction	Yes - uncertain	Medium
AN/EPRCB3551TE/001	Discharges	No	N/A
AN/AW5NF538B/001	Discharges	No	N/A
AN/PRNNF12489/001	Discharges	No	N/A
AN/AW5NF425/003	Discharges	No	N/A
AN/AWNNF10486/002	Discharges	No	N/A
AN/PRNNF03991/003	Discharges	No	N/A
AN/EPRFB3993WZ/001	Discharges	No	N/A
AN/AW5NF762/008	Discharges	No	N/A

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Section 5			
Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Oadby Member Glacial Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Bozeat Till	Secondary undifferentiated Superficial Aquifer	Yes	Medium
Glaciofluvial Deposits	Secondary A Superficial Aquifer	Yes	Medium
River Terrace Deposits	Secondary A Superficial Aquifer	Yes	Medium
Alluvium	Secondary A Superficial Aquifer	Yes	Medium
Alluvial Fan Deposits	Secondary A Superficial Aquifer	Yes	Medium
Ecton Member	Secondary A Superficial Aquifer	Yes	Medium
Lower Lincolnshire Limestone Member	Principal Bedrock Aquifer	Yes	High
Bilsworth Limestone Formation	Principal Bedrock Aquifer	Yes	High
Stamford Member	Secondary A Bedrock Aquifer	Yes	Medium
Northampton Sand Formation	Secondary A Bedrock Aquifer	Yes	Medium
Wellingborough Limestone Member	Secondary A Bedrock Aquifer	Yes	Medium
Rutland Formation	Secondary B Bedrock Aquifer	Yes	Medium

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
Grantham Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Charmouth Mudstone	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Dyrham Formation	Secondary undifferentiated Bedrock Aquifer	Yes	Medium
Whitby Mudstone Formation	Unproductive Bedrock Aquifer	Yes	Low
Welland Lower Jurassic Unit	WER Groundwater Body	Yes	N/A - water environment receptor
Warwickshire Avon - Secondary Mudrocks	WER Groundwater Body	Yes	N/A - water environment receptor
Nene Mid Lower Jurassic Unit	WER Groundwater Body	Yes	N/A - water environment receptor
5/32/05/*G/0015	Licensed Groundwater Abstraction	No	High
5/32/05/*G/0015	Licensed Groundwater Abstraction	No	High
5/32/05/*G/0010	Licensed Groundwater Abstraction	No	High
5/32/05/*G/0010	Licensed Groundwater Abstraction	No	High
5/32/05/*G/0010	Licensed Groundwater Abstraction	No	High
AN/032/0005/016	Licensed Groundwater Abstraction	No	High

Receptor Name	Receptor Type	Within draft Order Limits?	Value/ Sensitivity
AN/AW5NF174/002	Discharges	No	N/A
AN/AW5NF1788/002	Discharges	No	N/A
AN/PR5NF291/001	Discharges	No	N/A
AN/EPRPB3854GL/001	Discharges	No	N/A
AN/AW5NF757/006	Discharges	No	N/A
AN/AW5NF739A/010	Discharges	No	N/A
AN/PR5LF3384/002	Discharges	No	N/A
AN/AW5NF712/001	Discharges	No	N/A
AN/AW5NF699/001	Discharges	No	N/A
AN/EPRSB3696AM/001	Discharges	No	N/A
AN/EPRFB3940KN/001	Discharges	No	N/A
AN/NPSWQD006026/002	Discharges	No	N/A
AN/PR5LF3931/002	Discharges	No	N/A
AN/AWCNF2266/004	Discharges	No	N/A
AN/AW5NF2031/001	Discharges	No	N/A
AN/EPRDB3199EZ/001	Discharges	No	N/A
Birch Spinney & Mawsley Marsh SSSI	GWDTE	Yes	Very High/ High
Upper Nene Valley Gravel Pits SSSI	GWDTE	Yes	Very High/ High

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