

The Great Grid Upgrade

Eastern Green Link 3 (EGL 3) and
Eastern Green Link 4 (EGL 4)

Preliminary environmental information report (PEIR)

Volume 2, Part 2, Appendix 2.9.A Water Environment
Baseline Data
May 2025

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2.9.A. Water Environment Baseline Data

2.9.A.1.Introduction

2.9.A.1.1. This Appendix has been produced to support **Volume 1, Part 2, Chapter 9: Water Environment** of the Preliminary Environmental Information Report (PEIR) for the onshore components (English Onshore Scheme) within England of Eastern Green Link 3 (EGL 3) and Eastern Green Link 4 (EGL 4). It sets out water environment baseline information regarding surface water abstractions and discharges. Only active discharges and abstractions within the study area for the water environment assessment have been included.

2.9.A.2.Surface Water Discharges

2.9.A.2.1. Existing consented discharges to surface water have been obtained from the Environment Agency¹ (February 2025). The information on active discharges is presented in **Table 2.9.A.1** below. The locations are shown in **Volume 3, Part 2, Figure 9-1: Water Environment Study Area and Features**.

¹ <https://environment.data.gov.uk/public-register/view/search-water-discharge-consents>

Table 2.9.A.1 – Existing Consented Surface Water Discharges

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall	EPRWB3391RT	Sewage Discharges - Final/Treated Effluent - Not Water Company	Drain Within Lindsey Marsh Internal Drainage Board (IDB)
Landfall To Walpole	PR5LF5489	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR5NF680	Sewage Discharges - Final/Treated Effluent - Not Water Company	Unknown Trib
Landfall To Walpole	PRNNF04202	Sewage Discharges - Final/Treated Effluent - Not Water Company	Lady Wath Soak Dyke
Landfall To Walpole	EPRLB3798RD	Sewage Discharges - Final/Treated Effluent - Not Water Company	Tributary Of The River Nene
Landfall To Walpole	AW3NF125	Sewage Discharges – Speed Through Water (STW) Storm Overflow/Storm Tank - Water Company	River Lymn
Landfall To Walpole	PR3LF921	Sewage Discharges - Final/Treated Effluent - Not Water Company	Into Land
Landfall To Walpole	PR5LF5449	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR5LF3498	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	EPRHP3723SM	Sewage Discharges - Final/Treated Effluent - Not Water Company	Tributary Of Orby Beck
Landfall To Walpole	ANNNF10181	Sewage Discharges - Pumping Station - Water Company	East Fen Catchwater Drain
Landfall To Walpole	PR3NFF688	Trade Discharges - Process Effluent - Not Water Company	Trib Hammond Beck

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall To Walpole	PRNNF09979	Sewage Discharges - Final/Treated Effluent - Not Water Company	Tributary Skerth Drain
Landfall To Walpole	PRNNF12313	Sewage Discharges - Final/Treated Effluent - Not Water Company	The Lady Waths Beck
Landfall To Walpole	PRNNF18499	Sewage & Trade Combined - Unspecified	Bellwater Drain
Landfall To Walpole	PRNNF18299	Sewage Discharges - Final/Treated Effluent - Not Water Company	Bellwater Drain
Landfall To Walpole	EPREP3925GY	Sewage Discharges - Final/Treated Effluent - Not Water Company	Unnamed Drain, Trib Skerth Drain
Landfall To Walpole	EPRZB3296AL	Sewage Discharges - Final/Treated Effluent - Not Water Company	Trib Of Five Towns Drain
Landfall To Walpole	AW3NFF1193	Sewage Discharges - Pumping Station - Water Company	Fodder Dyke Nt
Landfall To Walpole	PRNNF03067	Sewage Discharges - Final/Treated Effluent - Not Water Company	Trib Of Welton Beck
Landfall To Walpole	EP RTP3121GC	Sewage Discharges - Final/Treated Effluent - Not Water Company	Drain Leading To Stonebridge
Landfall To Walpole	EPRGB3795ED	Sewage Discharges - Final/Treated Effluent - Not Water Company	Ditch Tributary Fleet Haven
Landfall To Walpole	EPRFB3690EG	Sewage Discharges - Final/Treated Effluent - Not Water Company	Buckworths Drain
Landfall To Walpole	PR3LFU1116	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR3LF203	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall To Walpole	ANNNF2305	Sewage Discharges - Pumping Station - Water Company	Unnamed Stream R Steeping
Landfall To Walpole	PR3LFU1331	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	EP RTP3129SV	Sewage Discharges - Final/Treated Effluent - Not Water Company	Lady Wath's Beck
Landfall To Walpole	EPRVB3154GR	Sewage Discharges - Final/Treated Effluent - Not Water Company	Whaplode River
Landfall To Walpole	PR5TS5131	Trade Discharges - Process Effluent - Not Water Company	River Nene
Landfall To Walpole	PR3NFF1101	Miscellaneous Discharges - Surface Water	Unknown Trib
Landfall To Walpole	PR3NFS1659	Sewage Discharges - Final/Treated Effluent - Not Water Company	A Stream
Landfall To Walpole	PRNNF09456	Sewage Discharges - Final/Treated Effluent - Not Water Company	Unnamed Ditch
Landfall To Walpole	PRNNF12364	Sewage Discharges - Final/Treated Effluent - Not Water Company	Trib Of East Fen Catchwater
Landfall To Walpole	PRNNF09992	Sewage Discharges - Final/Treated Effluent - Not Water Company	North Level Main Drain
Landfall To Walpole	PR3LF402	Sewage Discharges - Final/Treated Effluent - Not Water Company	Into Trib
Landfall To Walpole	PR3LFU1169	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR5LF5450	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall To Walpole	EPRTB3890NH	Sewage Discharges - Final/Treated Effluent - Not Water Company	Trib Of South Holland Drain
Landfall To Walpole	EPRSB3893EX	Sewage Discharges - Final/Treated Effluent - Not Water Company	Halton Fenside
Landfall To Walpole	EPRWB3293DY	Sewage Discharges - Final/Treated Effluent - Not Water Company	Unnamed Trib Of Halton Fenside
Landfall To Walpole	EPRSB3996VG	Sewage Discharges - Final/Treated Effluent - Not Water Company	Drain Within S Holland IDB
Landfall To Walpole	AW3NFF756	Sewage Discharges - Final/Treated Effluent - Water Company	Three Towns Drain South Forty
Landfall To Walpole	PR3NF911	Miscellaneous Discharges - Surface Water	The Fodder Dyke
Landfall To Walpole	PR3LFU1309	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PRNNF09637	Sewage Discharges - Final/Treated Effluent - Not Water Company	Five Towns Drain
Landfall To Walpole	EPRPB3990DJ	Sewage Discharges - Final/Treated Effluent - Not Water Company	Tributary Of Fleet Drain
Landfall To Walpole	EPRMP3727XJ	Sewage Discharges - Final/Treated Effluent - Not Water Company	Three Downs Drain
Landfall To Walpole	AW3NF292	Sewage Discharges - Final/Treated Effluent - Water Company	Tributary River Welland T
Landfall To Walpole	PR5LF5431	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR5LF3422	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall To Walpole	EPRCP3326XS	Sewage Discharges - Final/Treated Effluent - Not Water Company	Hale Bridge Drain
Landfall To Walpole	EPRVB3695ET	Sewage Discharges - Final/Treated Effluent - Not Water Company	Frith Bank Drain
Landfall To Walpole	PRNNF18036	Sewage Discharges - Final/Treated Effluent - Not Water Company	Bellwater Drain
Landfall To Walpole	EPRQB3091RY	Sewage Discharges - Final/Treated Effluent - Not Water Company	Tributary Of The Thorpe Drain
Landfall To Walpole	PR3LFU16	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR3LFU1218	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	PR5LF5432	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	AW5NF378A	Sewage Discharges - STW Storm Overflow/Storm Tank - Water Company	Holbeach River
Landfall To Walpole	EPRWB3497EH	Sewage Discharges - Final/Treated Effluent - Not Water Company	North Forty Foot Drain
Landfall To Walpole	PRNLF18234	Sewage Discharges - Final/Treated Effluent - Not Water Company	Land
Landfall To Walpole	EP RTP3326GS	Sewage Discharges - Final/Treated Effluent - Not Water Company	West Fen Drain
Landfall To Walpole	AW3NF125	Sewage Discharges - Final/Treated Effluent - Water Company	River Lymn
Landfall To Walpole	AW3NFF634	Sewage Discharges - Final/Treated Effluent - Water Company	Fodder Dyke Hobhole Drain Nt

Project Section	Consent Number	Discharge Type	Receiving Watercourse
Landfall To Walpole	AW5NF378A	Sewage Discharges - Final/Treated Effluent - Water Company	Holbeach River
Landfall To Walpole	EPRYB3993DZ	Sewage Discharges - Final/Treated Effluent - Not Water Company	East Fen Catchwater Drain
Landfall To Walpole	EPRXB3297VP	Sewage Discharges - Final/Treated Effluent - Not Water Company	Unnamed Watercourse
Walpole Stations Area	PR5NF386	Sewage Discharges - Final/Treated Effluent - Not Water Company	Todkills Lane Dyke
Walpole Stations Area	PR5NF752	Sewage Discharges - Final/Treated Effluent - Not Water Company	Chalk Lane Dyke
Walpole Stations Area	PR5NF214	Sewage Discharges - Final/Treated Effluent - Water Company	Unknown Trib
Walpole Stations Area	EPRFB3652TJ	Sewage Discharges - Final/Treated Effluent - Not Water Company	Drain Within King's Lynn IDB
Walpole Stations Area	AECNF12006	Sewage Discharges - Final/Treated Effluent - Water Company	A Tributary of Smeeth Lode

2.9.A.3. Surface Water Abstractions

2.9.A.3.1. Existing licensed abstractions from surface water sources have been provided by the Environment Agency (received July 2024). The information received is presented in **Table 2.9.A.2** below. The locations are shown in **Volume 3, Part 2, Figure 9-1: Water Environment Study Area and Features**.

Table 2.9.A.2 – Existing Licensed Surface Water Abstractions

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/045	Spray Irrigation - Direct	Abstraction Point C
Landfall to Walpole	AN/030/0013/027	Spray Irrigation - Direct	Abstraction Point F - Trader Bank
Landfall to Walpole	AN/030/0012/049	Spray Irrigation - Direct	Abstraction Point In Old Hammond Beck
Landfall to Walpole	AN/030/0013/027	Spray Irrigation - Direct	Abstraction Points A To B - Frith Bank Drain
Landfall to Walpole	AN/030/0013/027	Spray Irrigation - Direct	Abstraction Points C To D - Frith Bank Drain
Landfall to Walpole	AN/030/0013/068	Spray Irrigation - Direct	Abstraction Points E To F - Witham Iv Sewer
Landfall to Walpole	AN/030/0013/068	Spray Irrigation - Direct	Abstraction Points G To H - Witham Iv Sewer
Landfall to Walpole	AN/030/0013/101	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Anton's Gowt Lock
Landfall to Walpole	AN/030/0013/087	Spray Irrigation - Direct	Bell Water Drain
Landfall to Walpole	AN/030/0013/087	Trickle Irrigation - Direct	Bell Water Drain
Landfall to Walpole	AN/030/0013/087	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Bell Water Drain
Landfall to Walpole	AN/030/0013/026	Spray Irrigation - Direct	Bell Water Drain - New Leake
Landfall to Walpole	AN/030/0013/086	Spray Irrigation - Direct	Bell Water Drain - Reach 1

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/086	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Bell Water Drain - Reach 1
Landfall to Walpole	AN/030/0013/031	Spray Irrigation - Direct	Bellwater Drain - New Leake
Landfall to Walpole	AN/030/0013/105	Spray Irrigation - Direct	Bellwater Drain Reach 1
Landfall to Walpole	AN/030/0013/105	Spray Irrigation - Direct	Bellwater Drain Reach 2
Landfall to Walpole	AN/030/0013/105	Spray Irrigation - Direct	Bellwater Drain Reach 3
Landfall to Walpole	AN/030/0013/089	Spray Irrigation - Direct	Bellwater Drain, Eastville
Landfall to Walpole	AN/030/0013/089	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Bellwater Drain, Eastville
Landfall to Walpole	4/29/16/*S/0021A	Spray Irrigation - Direct	Boothby Hall Dr. Welton Le Msh
Landfall to Walpole	4/30/13/*S/0097	Spray Irrigation - Storage	East Fen C'water Halton Ings
Landfall to Walpole	AN/030/0013/093	Transfer Between Sources (Pre Water Act 2003 (Ref 2.9.A.1))	East Fen Catchwater Drain - Pt B
Landfall to Walpole	AN/030/0013/093	Spray Irrigation - Direct	East Fen Catchwater Drain - Pt C
Landfall to Walpole	5/31/14/*S/0246/R01	Spray Irrigation - Storage	Five Towns Drain, Algakirk
Landfall to Walpole	AN/030/0013/094	Spray Irrigation - Storage	Fodder Dike T - New Leake

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/053	Spray Irrigation - Direct	Fodder Dyke
Landfall to Walpole	AN/030/0013/094	Spray Irrigation - Direct	Fodder Dyke M-N New Leake
Landfall to Walpole	4/30/13/*S/0010	Spray Irrigation - Direct	Fodderdike 'P' To 'Q'
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Frith Bank Drain
Landfall to Walpole	AN/030/0013/062	Spray Irrigation - Direct	Frith Bank Drain - Frithville
Landfall to Walpole	AN/030/0013/014	Spray Irrigation - Direct	Frith Bank Drain N To O
Landfall to Walpole	AN/030/0013/028	Spray Irrigation - Direct	Hobhole Drain
Landfall to Walpole	AN/030/0013/028	Spray Irrigation - Direct	Hobhole Drain
Landfall to Walpole	4/30/12/*S/0173	Spray Irrigation - Direct	Kirton Drain Kirton Holme
Landfall to Walpole	AN/030/0013/094	Spray Irrigation - Storage	Lade Bank Drain East R-S - New Leake
Landfall to Walpole	AN/030/0013/094	Spray Irrigation - Direct	Lade Bank Drain West A-B - New Leake
Landfall to Walpole	AN/030/0013/064	Spray Irrigation - Direct	Mill Drain
Landfall to Walpole	AN/030/0013/064	Spray Irrigation - Direct	Mill Drain

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Mill Drain - Frithville
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Mill Drain - Frithville
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Mill Drain - Frithville
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Mill Drain - Frithville
Landfall to Walpole	AN/030/0013/023	Spray Irrigation - Direct	Mill Drain - Sibsey/Frithville
Landfall to Walpole	AN/030/0013/023	Spray Irrigation - Direct	Mill Drain - Sibsey/Frithville
Landfall to Walpole	AN/030/0013/023	Spray Irrigation - Direct	Mill Drain - Sibsey/Frithville
Landfall to Walpole	4/30/13/*S/0091	Spray Irrigation - Storage	Mill Drain(R.Bank) Frithville
Landfall to Walpole	AN/031/0014/010	Spray Irrigation - Storage	Moulton Common East Drain, Moulton Common, Lincolnshire
Landfall to Walpole	4/30/12/*S/0146	Spray Irrigation - Direct	New Hammond Beck Frampton Fen
Landfall to Walpole	4/30/12/*S/0146	Spray Irrigation - Direct	Old Hammond Beck Frampton Fen
Landfall to Walpole	4/30/13/*S/0243	Spray Irrigation - Direct	Point C On River Witham
Landfall to Walpole	4/30/13/*S/0243	Spray Irrigation - Direct	Point D On River Witham

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	4/30/13/*S/0128	Spray Irrigation - Direct	Riparian Drain
Landfall to Walpole	4/30/13/*S/0128	Spray Irrigation - Direct	Riparian Drain
Landfall to Walpole	4/30/13/*S/0128	Spray Irrigation - Direct	Riparian Drain
Landfall to Walpole	AN/030/0013/026	Spray Irrigation - Direct	Riparian Drain - New Leake
Landfall to Walpole	AN/030/0013/087	Spray Irrigation - Direct	Riparian Drain - Reach 10
Landfall to Walpole	AN/030/0013/087	Trickle Irrigation - Direct	Riparian Drain - Reach 10
Landfall to Walpole	AN/030/0013/087	Spray Irrigation - Direct	Riparian Drain - Reach 11
Landfall to Walpole	AN/030/0013/087	Trickle Irrigation - Direct	Riparian Drain - Reach 11
Landfall to Walpole	AN/030/0013/037	Spray Irrigation - Direct	Riparian Drain - Reach 3
Landfall to Walpole	AN/030/0013/037	Spray Irrigation - Direct	Riparian Drain - Reach 4
Landfall to Walpole	AN/030/0013/037	Spray Irrigation - Direct	Riparian Drain - Reach 5
Landfall to Walpole	AN/030/0013/037	Spray Irrigation - Direct	Riparian Drain - Reach 6
Landfall to Walpole	AN/030/0013/037	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Riparian Drain - Reach 6

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/037	Spray Irrigation - Direct	Riparian Drain - Reach 7
Landfall to Walpole	4/30/13/*S/0213	Spray Irrigation - Direct	Riparian Drain - Reach 9
Landfall to Walpole	4/30/13/*S/0213	Spray Irrigation - Direct	Riparian Drain - Reach 9
Landfall to Walpole	4/30/13/*S/0213	Trickle Irrigation - Direct	Riparian Drain - Reach 9
Landfall to Walpole	AN/030/0013/097	Spray Irrigation - Direct	Riparian Drain 5
Landfall to Walpole	AN/030/0013/097	Spray Irrigation - Direct	Riparian Drain 6
Landfall to Walpole	AN/030/0013/095	Spray Irrigation - Direct	Riparian Drain C-D - Halton Holgate
Landfall to Walpole	AN/030/0013/094	Spray Irrigation - Direct	Riparian Drain C-D - New Leake
Landfall to Walpole	AN/030/0013/089	Spray Irrigation - Direct	Riparian Drain, Eastville
Landfall to Walpole	4/30/13/*S/0213	Spray Irrigation - Direct	Royalty Drain - Reach 8
Landfall to Walpole	4/30/13/*S/0213	Spray Irrigation - Direct	Royalty Drain - Reach 8
Landfall to Walpole	4/30/13/*S/0213	Spray Irrigation - Direct	Royalty Drain - Reach 8
Landfall to Walpole	4/30/13/*S/0213	Trickle Irrigation - Direct	Royalty Drain - Reach 8

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	4/30/13/*S/0213	Trickle Irrigation - Direct	Royalty Drain - Reach 8
Landfall to Walpole	4/30/13/*S/0213	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Royalty Drain - Reach 8
Landfall to Walpole	AN/030/0013/087	Spray Irrigation - Direct	Southern Bell Water Drains
Landfall to Walpole	AN/030/0013/087	Trickle Irrigation - Direct	Southern Bell Water Drains
Landfall to Walpole	4/30/13/*S/0093	Make-Up Or Top Up Water	Stonebridge Dr(L.Bnk)Cowbridge
Landfall to Walpole	4/30/13/*S/0343/R01	Spray Irrigation - Storage	Stonebridge Drain In East Lindsey
Landfall to Walpole	AN/030/0013/095	Transfer Between Sources (Post Water Act 2003 (Ref 2.9.A.1))	Thorpe Drain A-B - Halton Holgate
Landfall to Walpole	AN/030/0013/105	Spray Irrigation - Direct	Thorpe Drain Point A
Landfall to Walpole	AN/030/0013/019	Spray Irrigation - Direct	West Fen Drain - Frithville
Landfall to Walpole	AN/030/0013/019	Spray Irrigation - Direct	West Fen Drain - Frithville
Landfall to Walpole	AN/030/0013/019	Spray Irrigation - Direct	West Fen Drain - Frithville
Landfall to Walpole	AN/030/0013/014	Spray Irrigation - Direct	West Fen Drain-Point J
Landfall to Walpole	AN/030/0013/020	Spray Irrigation - Direct	Witham IV Sewer

Project Section	License Number	Purpose/Use	Source
Landfall to Walpole	AN/030/0013/020	Trickle Irrigation - Direct	Witham IV Sewer
Landfall to Walpole	AN/030/0013/020	Trickle Irrigation - Direct	Witham IV Sewer
Landfall to Walpole	AN/030/0013/097	Spray Irrigation - Direct	Witham IV Sewer 3

Bibliography

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