



Thurrock Flexible Generation Plant

**Environmental Statement Volume 6
Appendix 15.3: Surface Water Abstraction Licenses, Discharge Consents and Pollution Incidents**

Date: January 2020

Environmental Impact Assessment

Environmental Statement

Volume 6

Appendix 15.3

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<http://www.thurrockpower.co.uk>

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Summary

This document presents publicly available data used to inform the assessment in Volume 3 Chapter 15: Hydrology and Flood Risk, specifically surface water abstraction licenses, discharge consents and pollution incidents.

Qualifications

This document has been prepared by Jonathan Morley, a Principal Consultant, who has 12 years' experience of environmental impact assessment.

It has been checked by Ola Holmstrom who is a Chartered Engineer, with over 20 years' professional experience in consultancy in the UK.

1. Surface Water Abstraction Licenses, Discharge Consents and Pollution Incidents

1.1 Introduction

1.1.1 This appendix identifies the surface water abstraction licences, discharge consents and pollution incidents located within the hydrology and flood risk study area for Thurrock Flexible Generation Plant, as defined in Volume 3, Chapter 15: Hydrology and Flood Risk. The data contained within this annex has been used to inform the baseline and impact assessment as follows:

- Surface water abstraction licences are a good indication of how the surface watercourses in the hydrology and flood risk study area are utilised;
- Discharge consents within the hydrology and flood risk study area may affect the baseline quality of the receiving surface water; and
- Pollution incidents identify where the quality of watercourses within the hydrology and flood risk study area may have been affected by pollution.

1.1.2 Details of the licences, consents and incidents have been obtained from a commercial data supplier (Groundsure Limited) and local authorities relevant to Thurrock Flexible Generation Plant (Essex County Council, and Thurrock Borough Council). The information is regulated by the Environment Agency (EA) and local authorities.

1.1.3 It is noted that pollution incidents are classified by the EA into one of four categories using their Common Incident Classification Scheme. The different categories of pollution incidents are defined in Table 1.1.

Table 1.1: Pollution incident categories.

Pollution Incident	Category Criteria
Category 1	Major, serious, persistent or extensive impact or effect on the environment, people and/or property
Category 2	Significant impact of effect on the environment, people and/or property.
Category 3	Minor or minimal impact or effect on the environment, people and/or property.
Category 4	Substantiated incident with no impact.

1.2 Data records

The surface water abstraction licences are set out in Table 1.2, discharge consents are set out in Table 1.3 and pollution incidents are set out in Table 1.4 and shown on Figure 1.1. The distances in Table 1.2 to Table 1.4 are taken from the edge of the Thurrock Flexible Generation Plant application boundary shown in Figure 1.1.

Table 1.2: Surface water abstraction licences.

Distance from Thurrock Flexible Generation Plant order limits (m)	Easting	Northing	Licence Number	Operator	Abstraction Type	Source of Abstraction
1885	566477	179408	8/37/56/*S/0085/R01 Status: Active	C H Cole & Sons	Spray Irrigation - Storage	Source - Ditch Trib of R.Thames Annual Volume (m ³): 127272 Max Daily Volume (m ³): 3600 Application No: - Original Start Date: 01/04/2017 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 01/04/2017 Version End Date:
1885	566477	179408	8/37/56/*S/0085 Status: Historic	C H Cole & Sons	Spray Irrigation – Storage	Source - Ditch Trib of R.Thames Annual Volume (m ³): 127272 Max Daily Volume (m ³): 3600 Application No: - Original Start Date: 07/05/1997 Expiry Date: 31/03/2017 Issue No: 101 Version Start Date: 17/12/2003 Version End Date:
1920	566500	179450	8/37/56/*S/0085 Status: Historic	C H Cole & Sons	Spray Irrigation – Storage	Source - Ditch Trib of R.Thames Annual Volume (m ³): 127272 Max Daily Volume (m ³): 3600 Application No: - Original Start Date: 07/05/1997 Expiry Date: 31/03/2017 Issue No: 101 Version Start Date: 17/12/2003 Version End Date:

Table 1.3: Discharge consents.

Distance from Thurrock Flexible Generation Plant order limits (m)	Easting	Northing	EA Reference	Operator	Effluent Type	Receiving Environment
14	566000	176120	Permit Number: PRENF10899 Permit Version: 1 Issue date: 24/04/1997 Effective Date: 24-Apr-1997	Tilbury 275kv Sub-Station, Fort Road, Tilbury, Grays, Essex, RM18 8UJ	Sewage Discharges - Final/Treated Effluent - Not Water	Receiving Water: Tributary Thames Estuary
107	565300	176300	Permit Number: PR2NFE08565 Permit Version: 1 Issue date: 28/07/1965 Effective Date: 28-Jul-1965 Revocation Date: 25/02/1993	Sandhurst Road, West, Tilbury, RM8 8DH	Miscellaneous Discharges - Surface Water	Receiving Water: Unknown Trib. River Thames
122	567100	177700	Permit Number: PRELF11902 Permit Version: 2 Status: REVOKED UNDER EPR 2010 Issue date: 14/12/2011 Effective Date: 14-Dec-2011 Revocation Date: 23/05/2018	Mayer Parry Recycling Ltd, Low St. Brickworks, Station Road, Tilbury, Essex, RM18 8QR	Effluent Type: Trade Discharges - Site Drainage	Receiving Water: Into Land At Site
122	567100	177700	Permit Number: PRELF11902 Permit Version: 1 Issue date: 07/03/2000 Effective Date: 27-Jan-2000 Revocation Date: 13/12/2011	Mayer Parry Recycling Ltd, Low St. Brickworks, Station Road, Tilbury, Essex, RM18 8QR	Effluent Type: Trade Discharges – Site Drainage	Receiving Water: Into Land At Site
248	565800	176400	Permit Number: PR2NFE02865 Permit Version: 2 Issue date: 29/01/1992 Effective Date: 29-Jan-1992 Revocation Date: 26/01/2001	Tilbury Marshes, Tilbury, Essex	Effluent Type: Trade Discharges - Process Effluent - Water Company (Wtw)	Receiving Water: Trib Tidal River Thames
248	565800	176400	Permit Number: PR2NFE02865 Permit Version: 1 Issue date: 09/03/1965 Effective Date: 09-Mar-1965 Revocation Date: 28/01/1992	Tilbury Marshes, Tilbury, Essex	Effluent Type: Trade Discharges - Unspecified	Receiving Water: Unknown Trib. River Thames

390	565100	176100	Permit Number: PR2NFE01467 Permit Version: 1 Issue date: 23/01/1967 Effective Date: 23-Jan-1967 Revocation Date: 21/04/1992	Factory Devlpt At Fort Road, Tilbury, Essex	Effluent Type: Miscellaneous	Discharges - Surface Water
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Table 1.4: Pollution incidents.

Distance from Thurrock Flexible Generation Plant order limits (m)	Easting	Northing	Incident Reference	Pollutant	Water Impact	Date
31	565335	176511	Incident Identification: 36738	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact)	15-Oct-2001
111	565275	176325	Incident Identification: 11507	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	26-Jun-2001
121	567245	177706	Incident Identification: 156678	Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	08-May-2003
121	567245	177706	Incident Identification: 156678	Pollutant: Atmospheric Pollutants and Effects: Contaminated Water Pollutant Description: Smoke: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	08-May-2003
121	567245	177706	Incident Identification: 156678	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	08-May-2003
151	565485	176277	Incident Identification: 165099	Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	11-Jun-2003
239	565174	176768	Incident Identification: 199722	Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	04-Nov-2003

Distance from Thurrock Flexible Generation Plant order limits (m)	Easting	Northing	Incident Reference	Pollutant	Water Impact	Date
298	565119	176222	Incident Identification: 10062	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	19-Jun-2001
316	565104	176213	Incident Identification: 37745	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	19-Oct-2001
316	565104	176213	Incident Identification: 38003	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	20-Oct-2001
332	565160	176924	Incident Identification: 36737	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	15-Oct-2001
332	565160	176924	Incident Identification: 24779	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	16-Aug-2001
350	565739	175889	Incident Identification: 173609	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)	14-Jul-2003
376	565670	175954	Incident Identification: 10759	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	22-Jun-2001

Distance from Thurrock Flexible Generation Plant order limits (m)	Easting	Northing	Incident Reference	Pollutant	Water Impact	Date
376	565670	175954	Incident Identification: 10759	Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	22-Jun-2001

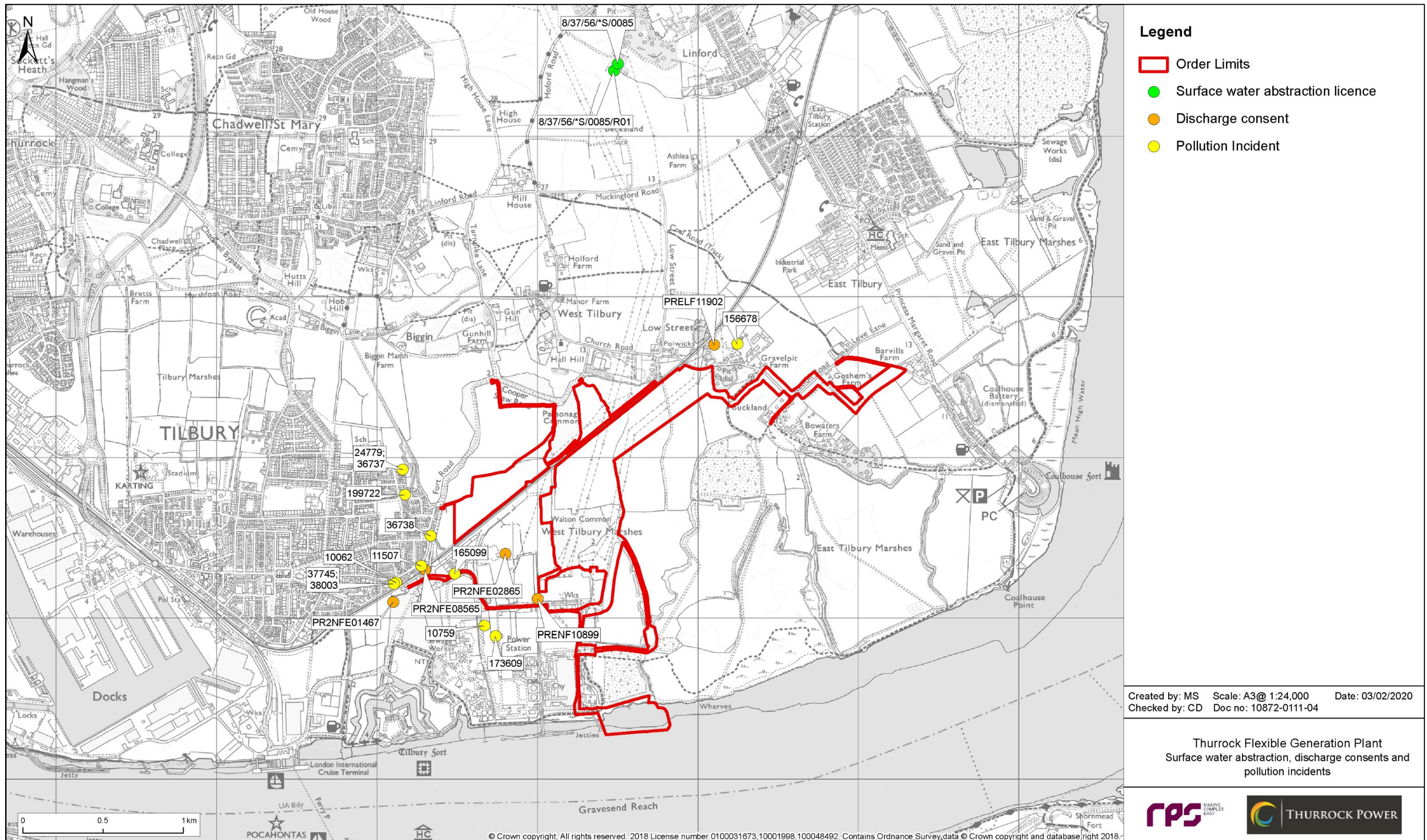


Figure 1.1: Surface water abstractions, discharge consents and pollution incidents.