



# Immingham Green Energy Terminal

TR030008

Volume 6

6.4 Environmental Statement Appendices  
Appendix 7.A: Baseline Monitoring Information

Planning Act 2008

Regulation 5(2)(a)

Infrastructure Planning (Applications: Prescribed  
Forms and Procedure) Regulations 2009 (as  
amended)

September 2023

# Infrastructure Planning

## Planning Act 2008

The Infrastructure Planning  
(Applications: Prescribed Forms and  
Procedure) Regulations 2009 (as amended)

# Immingham Green Energy Terminal

## Development Consent Order 2023

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### 6.4 Environmental Statement Appendices

#### Appendix 7.A – Baseline Monitoring Information

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<b>Regulation Reference</b>	APFP Regulation 5(2)(a)
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## 1. Baseline Noise Monitoring Information

### 1.1. Attended Monitoring Location 1 (ML1) Queens Road

1.1.1. **Table 1** provides information on the survey location and conditions recorded on site.

**Table 1: ML1 Survey Location Details**

Location ML1	Description	
	Day	Night
<b>Location description and Ordnance Survey (“OS”) grid reference (Easting/Northing)</b>	31 Queens Road, Immingham ///reeling.marzipan.ambushes 53.6156998551772, -0.1861439231348859	
<b>Monitoring date and time</b>	04/10/2022 23:46 - 00:46	04/10/2022 11:46 - 12:46
<b>Monitoring height above ground</b>	1.4m	
<b>Distance to nearest building facade</b>	Greater than 3.5m	Greater than 3.5m
<b>Average wind speeds (m/s)</b>	1.5	1.5
<b>Wind direction</b>	South Westerly	South Westerly
<b>Temperature (°C)</b>	18	18
<b>Cloud coverage</b>	3/8	3/8
<b>Sound Level Meter and Serial No.</b>	Rion NL-52 s/n 00386762	Rion NL-52 s/n 00386762

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Location ML1	Description	
	Day	Night
<b>Field Calibrator and Serial No.</b>	Brüel & Kjær Model 4231 s/n 2217877	Brüel & Kjær Model 4231 s/n 2217877
<b>Description of the sound climate</b>	Queens Road passbys. Constant whine from Knauf, distant traffic, construction works towards Knauf at beginning of survey.	Queens Road passbys. Constant whine from Knauf, distant traffic, construction works towards Knauf at beginning of survey.

1.1.2. **Plate 1** below shows a photograph of the monitoring location.

**Plate 1: Location M1 on Queens Road**



## 1.2. Attended Monitoring Location 2 (ML2) Land off Worsley Road

1.2.1. **Table 2** provides information on the survey location and conditions recorded on site.

**Table 2: ML2 Survey Location Details**

Location ML2	Description	
	Day	Night
Location description and OS grid reference (Easting/Northing)	On land off Worsley Road ///spoke.alley.electric 53.615984538823135, -0.2038786406215807	
Monitoring date and time	04/10/2022 11:30 - 13:00	04/10/2022 02:30 - 03:30
Monitoring height above ground	1.4 m	
Distance to nearest building facade	Greater than 3.5m	
Average wind speeds (m/s)	1.5	3.0
Wind direction	South Westerly	South Westerly
Temperature (°C)	13	18
Cloud coverage	3/8	6/8
Sound Level Meter and Serial No.	Rion NL-52 s/n 00386763	Rion NL-52 s/n 00386763
Field Calibrator and Serial No.	Brüel & Kjær Model 4231 s/n 2217877	Brüel & Kjær Model 4231 s/n 2217877

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Location ML2	Description	
	Day	Night
Description of the sound climate	Wind rustle from scrub. Distant traffic on A1173, close up drivebys of vehicles turning around, distant playground noise from canon Peter Hall Church of England Primary School	Wind rustle from scrub. Distant road noise from A1173 or A180, unidentified whirring from west.



1.2.2. **Plate 2** below shows a photograph of the monitoring location.

**Plate 2: Location M2 on Land off Worsley Road**



### 1.3. Unattended Monitoring Location 3 (ML3) Spring Street

1.3.1. **Table 3** provides information on the survey location and conditions recorded on site.

**Table 3: ML3 Survey Location Details**

Location ML3	Description
	Day and Night unattended monitoring
Location description and OS grid reference (Easting/Northing)	17 Spring Street, Immingham ///windmills.speech.grading 53.617038, -0.202817
Monitoring date and time	19/04/2023 15:45 to 26/04/2023 14:00
Monitoring height above ground	1.4 m
Distance to nearest building facade	Greater than 3.5 m
Average wind speeds (m/s)	0.5
Wind direction	South Westerly
Temperature (°C)	18
Cloud coverage	0
Sound Level Meter and Serial No.	01dB Duo s/n 12049
Field Calibrator and Serial No.	Brüel & Kjær Model 4231 s/n 2217877
Description of the sound climate	Alarm from east port. Port Noise, neighbouring dogs, A180 road noise, birdsong

1.3.2. **Plate 3** below shows a photograph of the monitoring location.

**Plate 3: Location M3 on Spring Street**



#### 1.4. Unattended Monitoring Location 4 (ML4) Garden of 29 Talbot Road, Immingham

1.4.1. **Table 4** provides information on the survey location and conditions recorded on site.

**Table 4: ML4 Survey Location Details**

Location ML4	Description
	Day and Night unattended monitoring
Location description and OS grid reference (Easting/Northing)	29 Talbot Road, Immingham ///blackmail.repay.besotted 53.614259, -0.202533
Monitoring date and time	19/04/2023 14:00 to 27/04/2023 12:00
Monitoring height above ground	1.4m
Distance to nearest building facade	Greater than 3.5m
Average wind speeds (m/s)	0.5
Wind direction	South Westerly
Temperature (°C)	18
Cloud coverage	0
Sound Level Meter and Serial No.	01dB Duo s/n 12049
Field Calibrator and Serial No.	Brüel & Kjær Model 4231 s/n 2217877
Description of the sound climate	Alarm from east port. Occasional noise from footpath, A180 road noise, birdsong

1.4.2. **Plate 4** below shows a photograph of the monitoring location.

**Plate 4: Location M4 on Talbot Road**



1.5. Unattended Monitoring Location 5 (I\_ML5) Opposite Queens Road Café, Queens Road, Immingham (Taken from IERRT Appendix 14.1)

1.5.1. **Table 5** provides information on the survey location and conditions recorded on site.

**Table 5: ML4 Survey Location Details**

Location ML4	Description	
	Day attended monitoring	Night attended monitoring
Location description and OS grid reference (Easting/Northing)	Opposite Queens Road Café, Queens Road, Immingham ///overjoyed.dented.chest 520026,414828	
Monitoring date and time	a) 17/11/2021 at 12:41-15:41 b) 24/03/2022 at 12:10-15:40; 18:23-21:47. c) 25/03/2022 at 07:17-11:42. d) 03/05/2022 at 11:34-12:34; 15:25-18:25	a) 17/11/2021 at 04:02-04:32 b) 22/04/2022 at 21:00-07:00
Monitoring height above ground	1.4m	
Distance to nearest building facade	Greater than 3.5m	
Average wind speeds (m/s)	a) 2.0 b) 2.6 c) 1.3 d) 4.4	e) No wind perceived f) No wind perceived

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Location ML4	Description	
	Day attended monitoring	Night attended monitoring
Wind direction	<ul style="list-style-type: none"> <li>a) E</li> <li>b) SE</li> <li>c) SE</li> <li>d) E</li> </ul>	<ul style="list-style-type: none"> <li>a) No wind perceived</li> <li>b) No wind perceived</li> </ul>
Temperature (°C)	<ul style="list-style-type: none"> <li>a) 11</li> <li>b) 17</li> <li>c) 17</li> <li>d) 11</li> </ul>	<ul style="list-style-type: none"> <li>a) 8</li> <li>b) 9</li> </ul>
Cloud coverage	<ul style="list-style-type: none"> <li>a) 2/8</li> <li>b) 0/8</li> <li>c) 0/8</li> <li>d) 7/8</li> </ul>	<ul style="list-style-type: none"> <li>a) 0/8</li> <li>b) 0/8</li> </ul>
Sound Level Meter and Serial No.	<ul style="list-style-type: none"> <li>a) Norsonic Nor140 s/n 1403909</li> <li>b) Rion Model NL-52 s/n 386762.</li> <li>c) Rion Model NL-52 s/n 386762.</li> <li>d) Rion Model NL-52 s/n 386766</li> </ul>	<ul style="list-style-type: none"> <li>a) Norsonic Nor140 s/n 1403909</li> <li>b) Rion Model NL-52 s/n 00909493</li> </ul>
Field Calibrator and Serial No.	<ul style="list-style-type: none"> <li>a) Norsonic Type 1251 s/n 34393</li> <li>b) Brüel &amp; Kjær Model 4231 s/n 3005464</li> <li>c) Brüel &amp; Kjær Model 4231 s/n 3005464</li> </ul>	<ul style="list-style-type: none"> <li>a) Norsonic Type 1251 s/n 34393</li> <li>b) Brüel &amp; Kjær Model 4231 s/n 2217877</li> </ul>

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Location ML4	Description	
	Day attended monitoring	Night attended monitoring
	d) Brüel & Kjær Model 4231 s/n 2217877	
<b>Description of the sound climate</b>	<ul style="list-style-type: none"> <li>a) Dominant by road traffic noise with occasional factory noises (Windsor Materials Handling).</li> <li>b) Rumble of HGV cargo, road traffic.</li> <li>c) Rumble of HGV cargo, road traffic.</li> <li>d) Road traffic noise, HGV.</li> </ul>	<ul style="list-style-type: none"> <li>a) Dominant source is a building to the North West with a perceivable hum as well as traffic from Queen's Road and distant traffic.</li> <li>b) Queens road traffic.</li> </ul>



1.5.2. **Plate 5** below shows a photograph of the monitoring location.

**Plate 5: Location I\_ML5 Queens Road**

