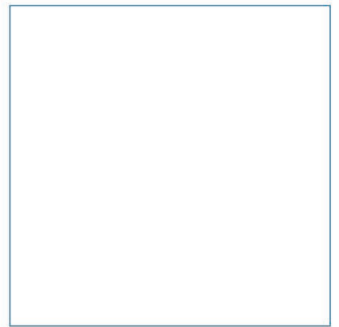
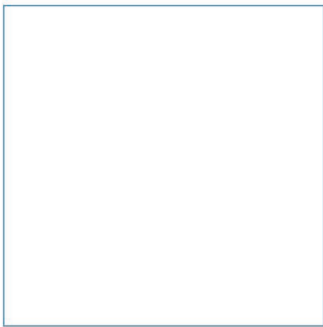
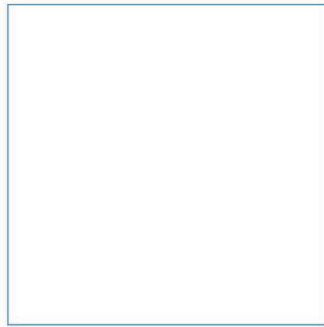


# Associated British Ports

## Immingham Eastern Ro-Ro Terminal

### Preliminary Environmental Information: Appendix 14.1 Noise Survey

January 2022



Innovative Thinking - Sustainable Solutions

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# Immingham Eastern Ro-Ro Terminal

## Preliminary Environmental Information: Appendix 14.1 Noise Survey

January 2022



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# 1. Noise Survey

## 1.1. Monitoring Location 1(M1)

1.1.1 Table 1 below provides information on the survey location and conditions.

**Table 1. Location M1 survey location, conditions**

Location M1	Description	
	Day	Night
Location description and grid reference	King's Road, on the grass next to the road opposite the residences and footpath- 54 Kings Rd, Immingham DN40 1AN	Same as Day location.
Monitoring date and time	17/11/2021 13:12-14:12	17/11/2021 03:14-03:44
Monitoring height above ground	1.4 m	1.4 m
Distance to nearest building facade	Greater than 3.5 m	Greater than 3.5 m
Distance to road kerb	4 m.	4 m
Wind speeds (m/s)	2 m/s average	No wind perceived.
Wind direction	West	No wind perceived.
Temperature (°C)	12	8
Cloud coverage	7/8	0/8
Sound Level Meter and Serial No.	Norsonic Nor 140 s/n 1403077	Norsonic Nor 140 s/n 1403077
Field Calibrator and Serial No.	B&K Type 4231 s/n 2217877	B&K Type 4231 s/n 2217877
Description of the sound climate	Dominated by road traffic noise, mainly heavy goods vehicles.	Dominated by traffic noise. Additional noise source due to loading and unloading of lorries.



1.1.2 Figure 1 below shows a photograph of the monitoring location.



**Figure 1. Location M1 looking towards the South West.**

## 1.2. Monitoring Location 2 (M2)

1.1.3 Table 2 below provides information on the survey location and conditions.

**Table 2. Location M2 survey location, conditions**

Location M2	Description	
	Day	Night
Location description and grid reference	Queen's Road- Immingham DN40 1QU	Same as Day location.
Monitoring date and time	17/11/2021 12:41-15:41	17/11/2021 04:02-04:32
Monitoring height above ground	1.4 m	1.4 m
Distance to nearest building facade	Greater than 3.5 m.	Greater than 3.5 m.
Distance to road kerb	4 m.	4 m.
Wind speeds (m/s)	2.0 m/s average	1 m/s average
Wind direction	West	-
Temperature (°C)	11	8
Cloud coverage	2/8	0/8
Sound Level Meter and Serial No.	Norsonic Nor140 s/n 1403909	Norsonic Nor140 s/n 1403909
Field Calibrator and Serial No.	Norsonic Type 1251 s/n 34393	Norsonic Type 1251 s/n 34393
Description of the sound climate	Dominant by road traffic noise with occasional factory noises (Windsor Materials Handling).	Dominant source is a building to the North West with a perceivable hum as well as traffic from Queen's Road and distant traffic.



1.1.4 Figures 2 and 3 below shows photographs of the monitoring location.



**Figure 2. Location M2 looking towards the South West (Night).**



**Figure 3. Location M2 looking towards the South West (Day).**

### 1.3. Monitoring Location 3 (M3)

1.1.5 Table 3 below provides information on the survey location and conditions.

**Table 3. Location M3 survey location, conditions**

Location M2	Description	
	Day	Night
Location description and grid reference	A160 -2, Humber Rd, South Killingholme, Immingham DN40 3BY	Same location as Day.
Monitoring date and time	16/11/2021 11:15-14:15	17/11/2021 02:20-02:50
Monitoring height above ground	1.4 m	1.4 m
Distance to nearest building facade	Greater than 3.5 m	Greater than 3.5 m
Distance to road kerb	5 m	5 m
Wind speeds (m/s)	0 m/s.	0 m/s.
Wind direction	No wind perceived.	No wind perceived.
Temperature (°C)	16	8
Cloud coverage	8/8	2/8
Sound Level Meter and Serial No.	Norsonic Nor140 s/n 1403909	Norsonic Nor140 s/n 1403909
Field Calibrator and Serial No.	Norsonic Type 1251 s/n 34393	Norsonic Type 1251 s/n 34393
Description of the sound climate	Dominated by road traffic noise from A160, contribution by the flaming from the chimney nearby.	Dominated by the road traffic noise from A160, contribution by the flaming from the chimney becomes more noticeable.



1.1.6 Figures 4, 5 and 6 below shows photographs of the monitoring location.



**Figure 4. Location M3 looking towards A160**



**Figure 5. Location M3 (Day)**



**Figure 6. Location M3 looking toward chimney flaring (middle left light source)**

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