

**PROJECT**  
H2 Teesside DCO

**APPLICANT**  
H2 Teesside Limited

**CONSULTANT**  
AECOM Limited  
100 Embankment,  
Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - AECOM Diffusion Tube Monitoring
  - Human Health Receptor (Construction Phase)
  - Human Health Receptor (Operational Phase)

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**ISSUE PURPOSE**  
PEI Report

**PROJECT NUMBER**  
60689030

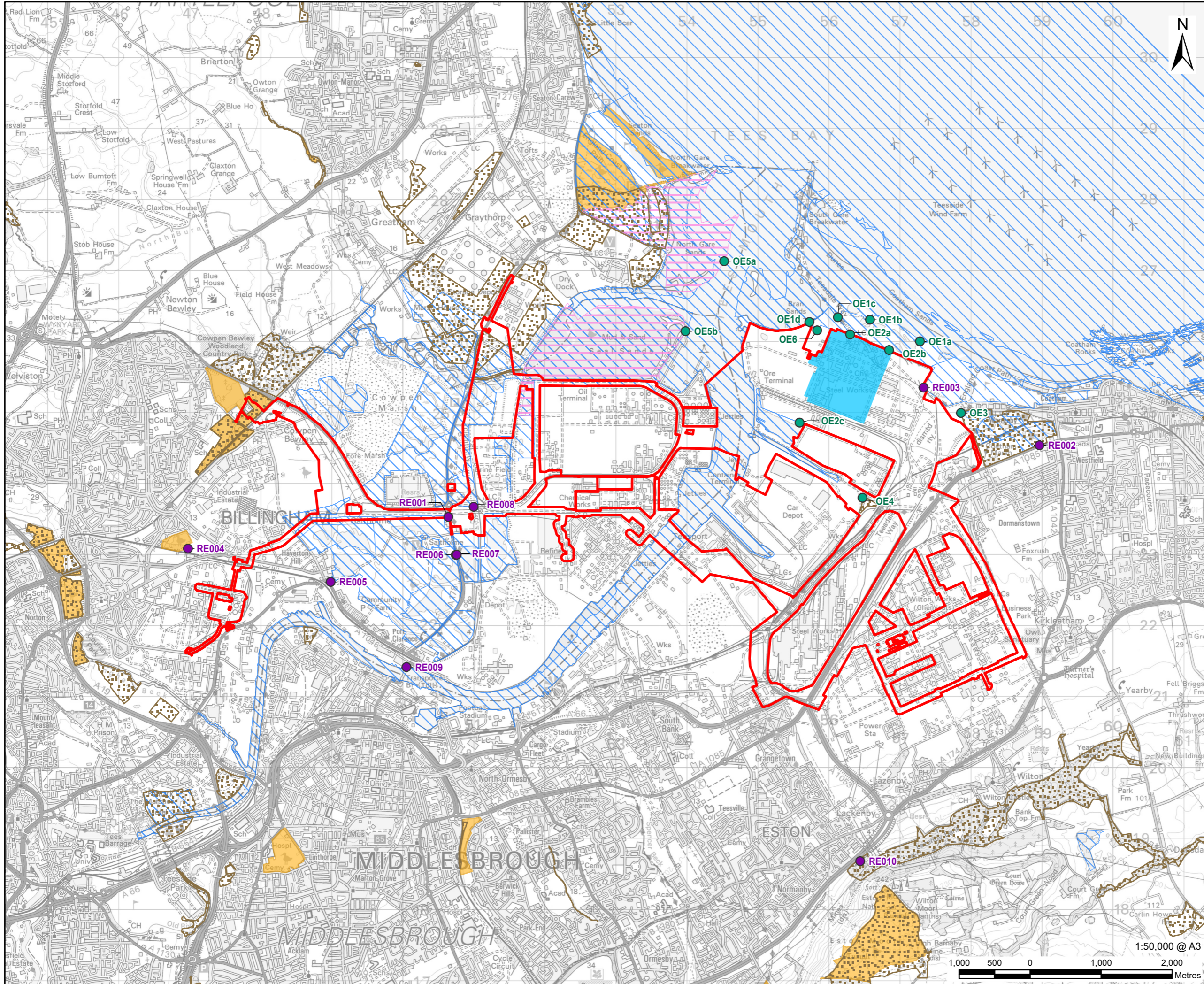
**FIGURE TITLE**  
Air Quality Study Area  
Human Health Receptors and  
Monitoring

**FIGURE NUMBER**  
Figure 8-1

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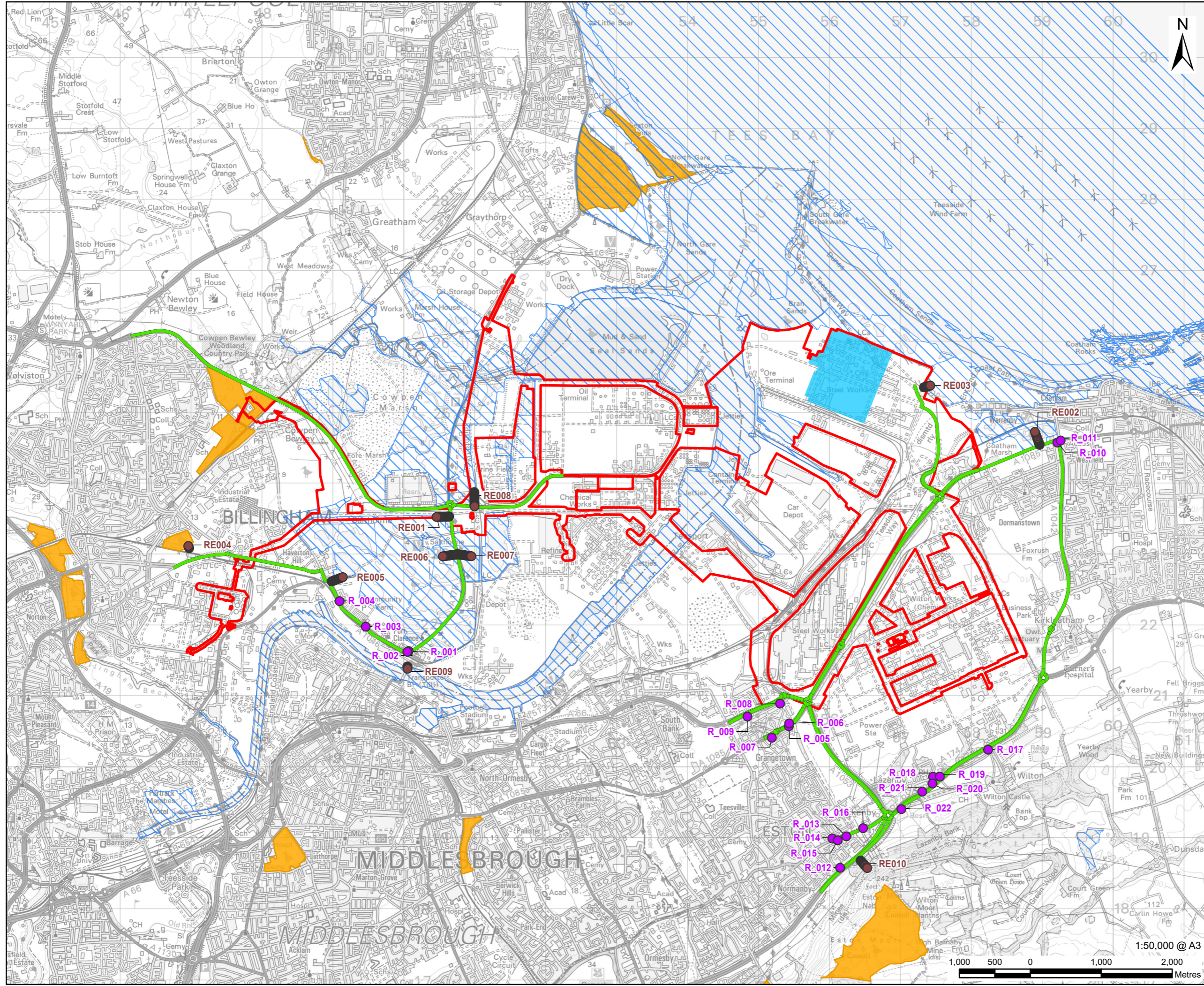
- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Ecological Receptor (Operational Phase)
  - Ecological Receptor (Construction Phase)
  - Local Wildlife Site (LWS)
  - Local Nature Reserve (LNR)
  - National Nature Reserve (NNR)
  - Ecological Designations (SPA, SSSI, Ramsar)

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  - 3: Local Wildlife Sites provided by Environmental Records Information Centre North East (ERIC), (2022). Data licensed through Public Sector Mapping Agreement © Crown Copyright.

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- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Ecological Receptor
  - Human Health Receptor
  - Modelled Road Network
  - Local Nature Reserve (LNR)
  - Ecological Designations (SPA, SSSI, Ramsar)

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**ISSUE PURPOSE**  
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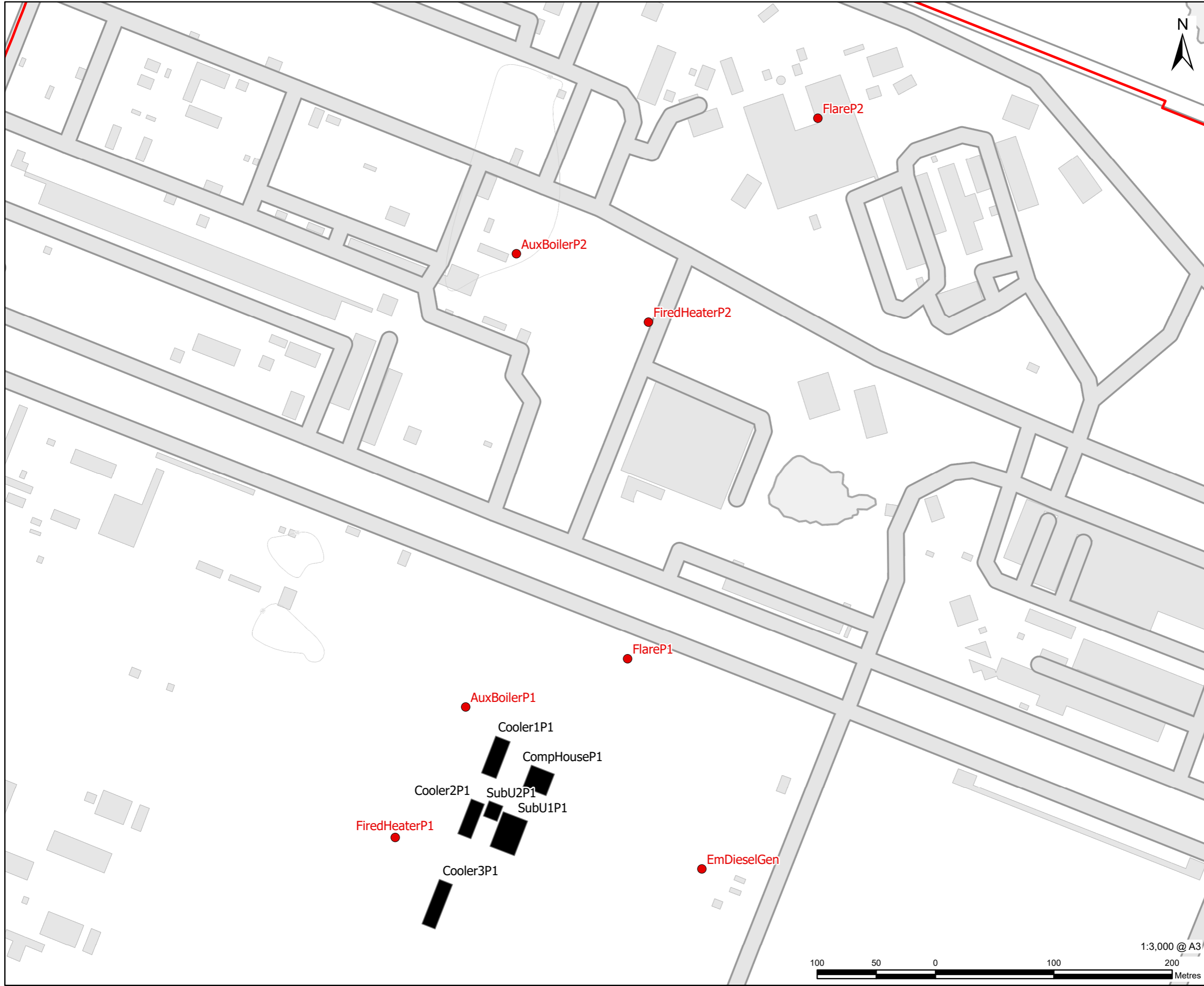
**PROJECT NUMBER**  
60689030

**FIGURE TITLE**  
Air Quality Study Area – Construction Road Traffic Locations

**FIGURE NUMBER**  
Figure 8-3



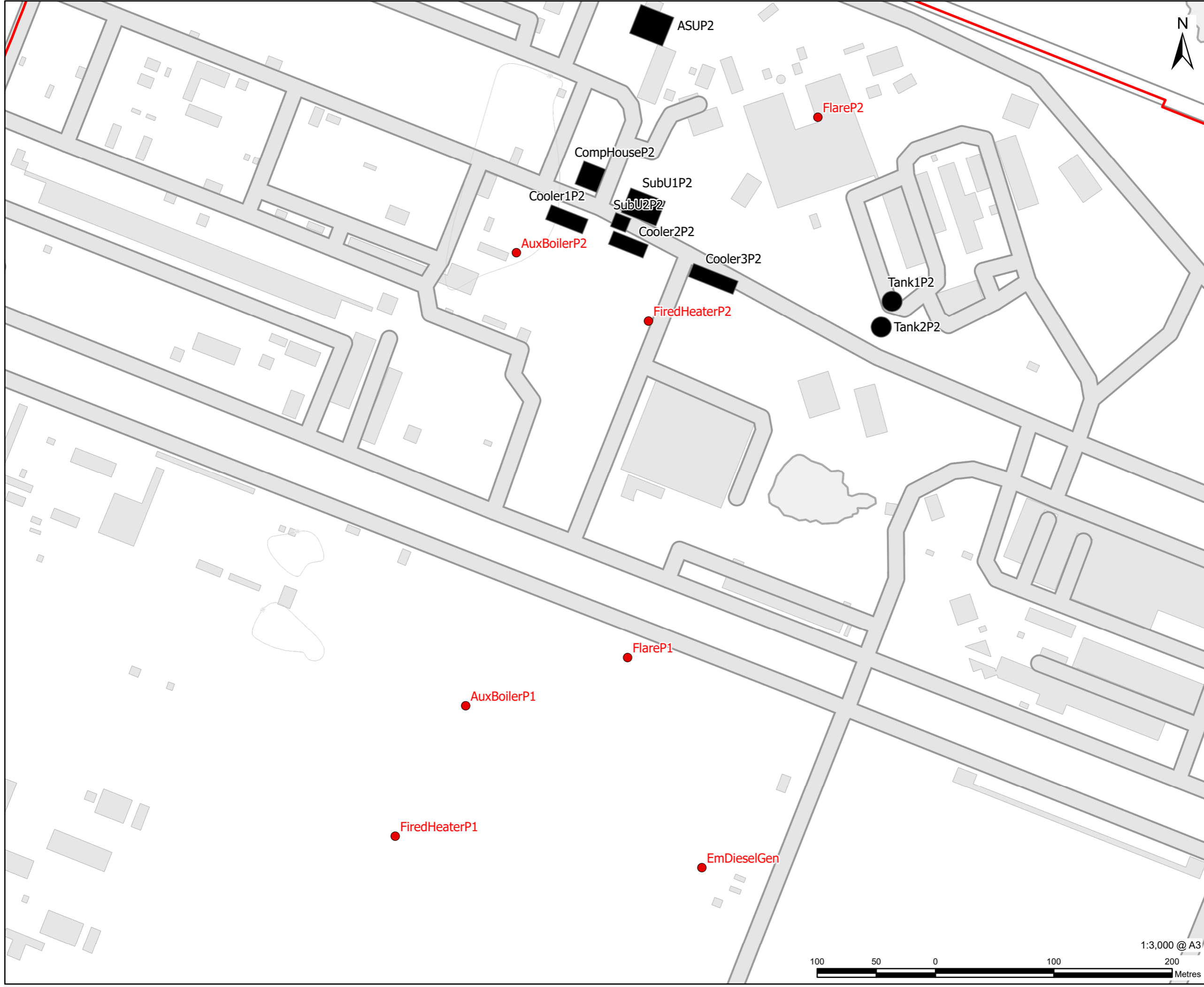
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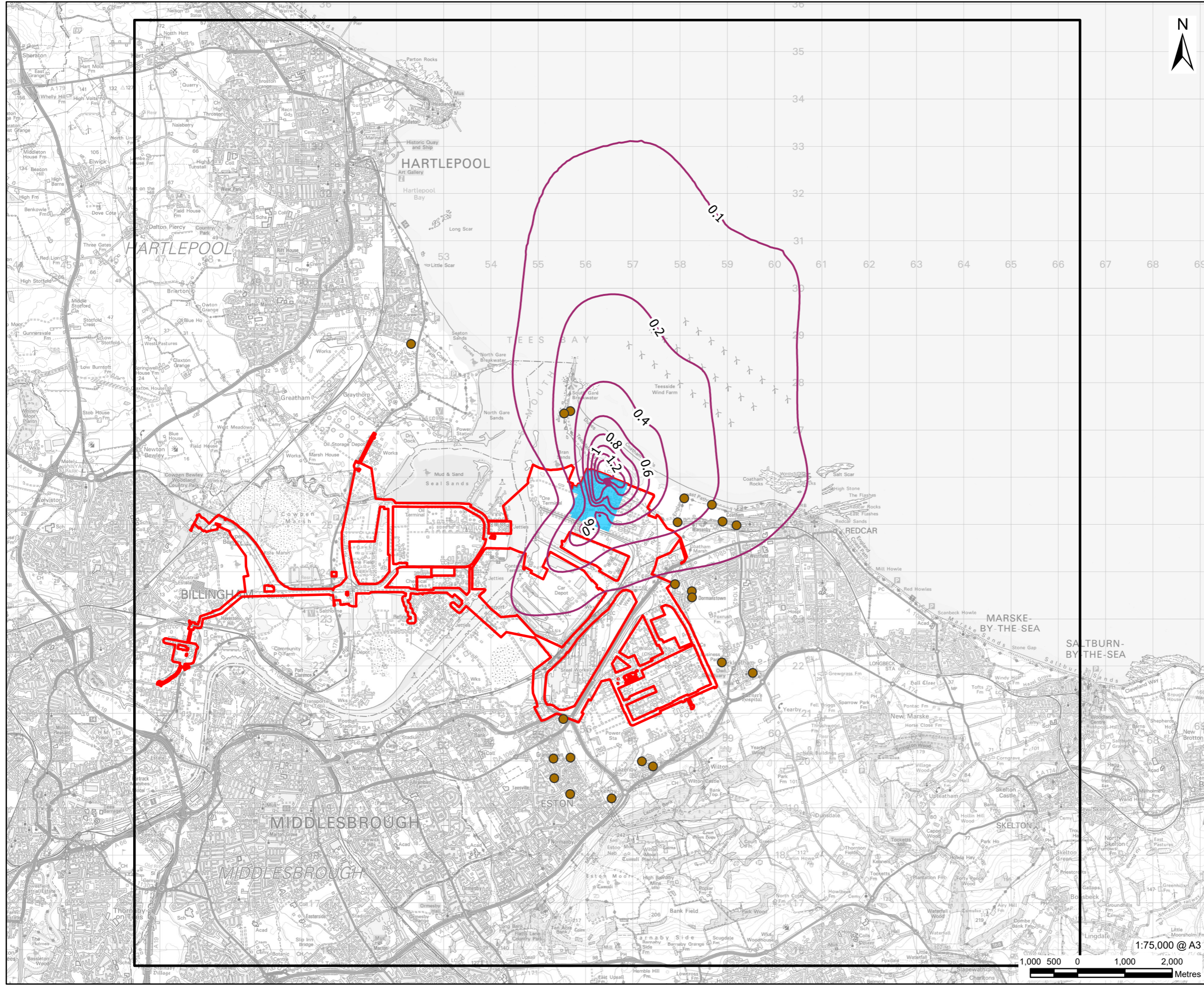
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- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Modelled Domain
  - Annual Mean NO<sub>2</sub> Process Contribution (µg/m<sup>3</sup>)
  - Human Health Receptor (Operational Phase)

**NOTES**

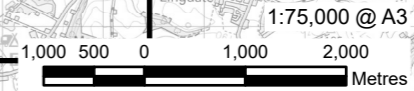
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**ISSUE PURPOSE**  
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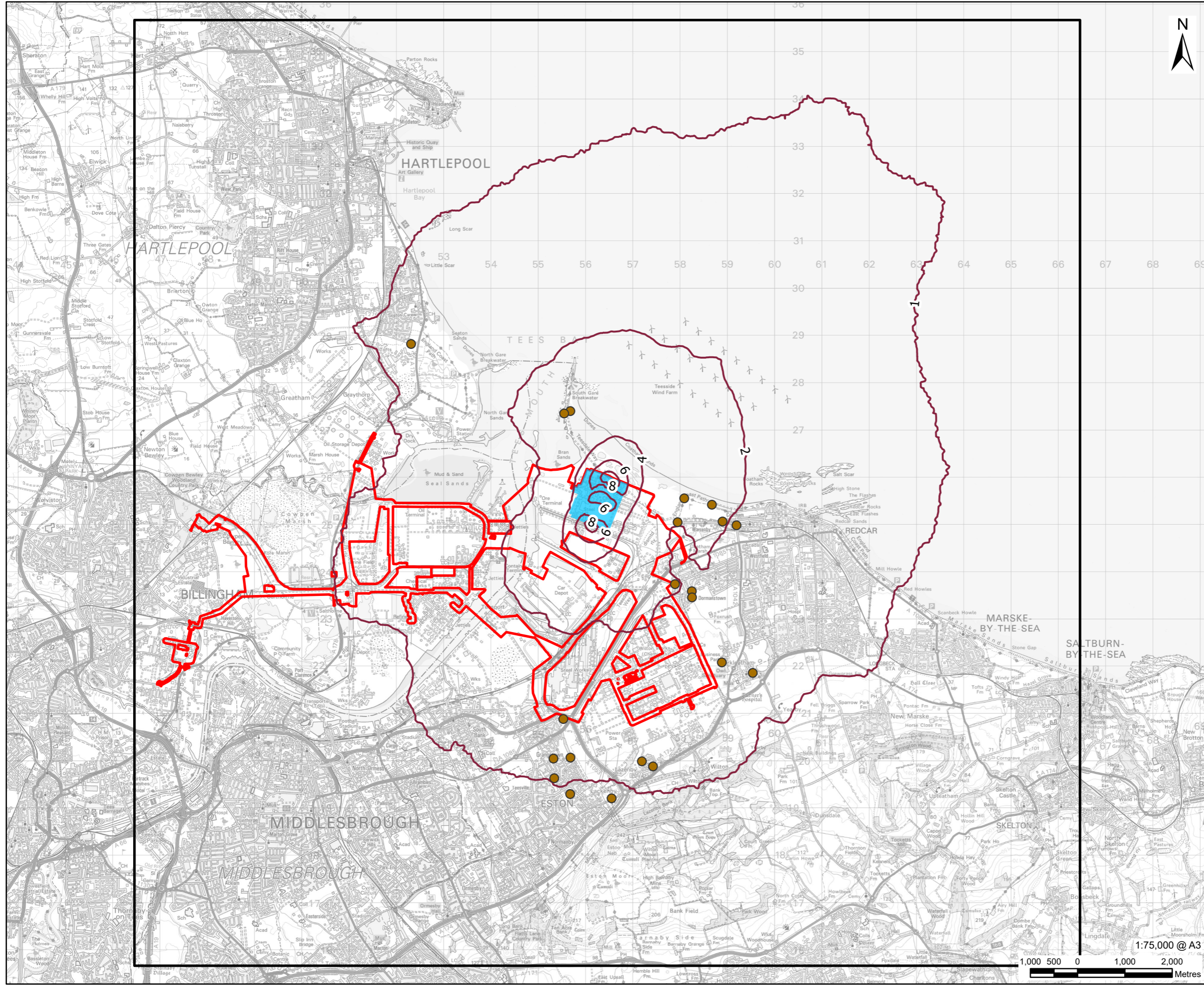
**PROJECT NUMBER**  
60689030

**FIGURE TITLE**  
Annual Mean NO<sub>2</sub> Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – Case B, for the Worst Affected Meteorological Year of 2022

**FIGURE NUMBER**  
Figure 8-6



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**AECOM**

**PROJECT**  
H2Teesside DCO

**APPLICANT**  
H2 Teesside Limited

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Colmore Circus, Queensway  
Birmingham, B4 6AT  
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- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Modelled Domain
  - 99.79th Percentile 1h NO2 Process Contribution ( $\mu\text{g}/\text{m}^3$ )
  - Human Health Receptor (Operational Phase)

**NOTES**

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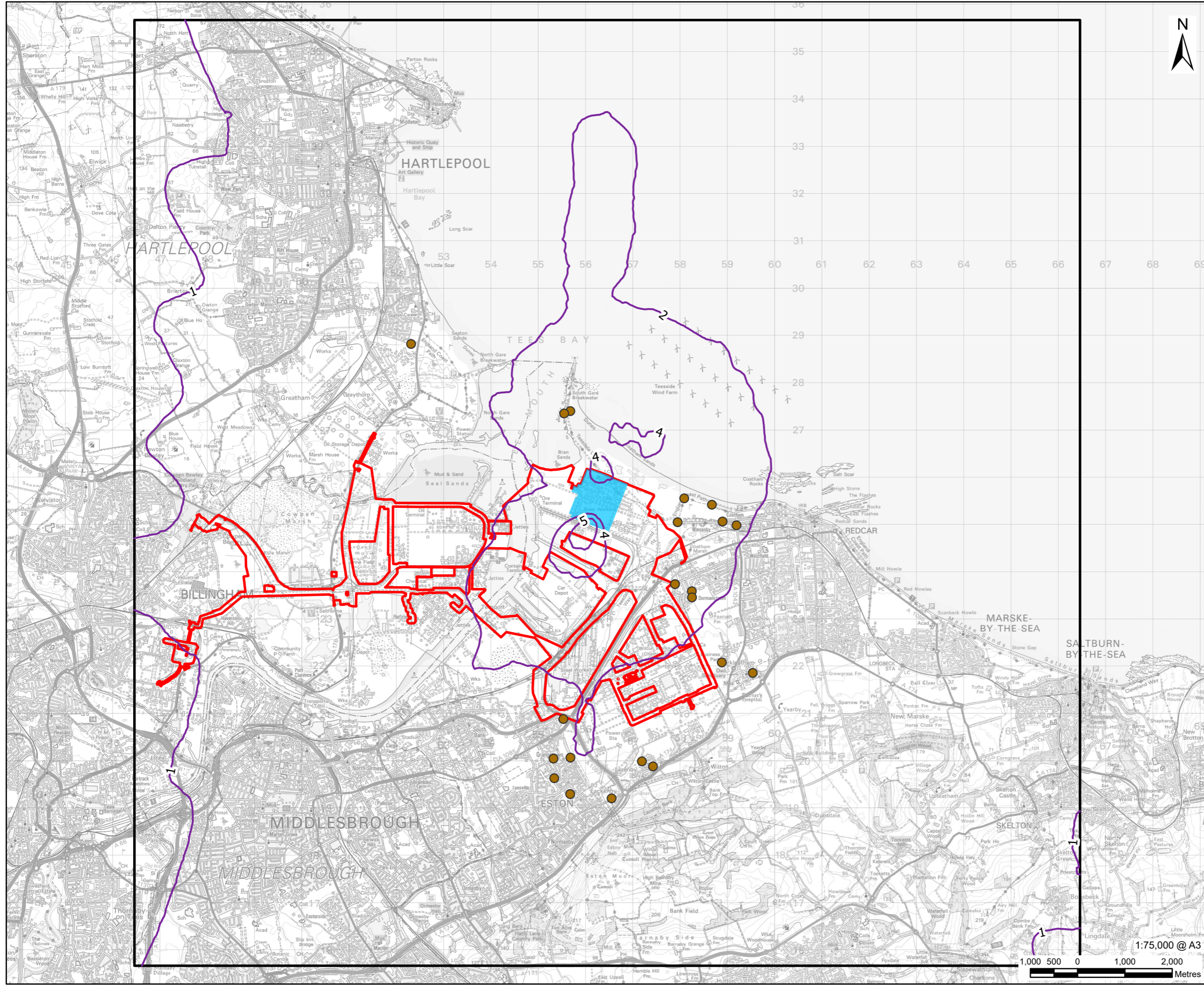
**PROJECT NUMBER**  
60689030

**FIGURE TITLE**  
99.79th Percentile 1h NO2 Process Contribution for the Proposed Development during Normal Operations for Phase 1 and 2 Combined – Case B, for the Worst Affected Meteorological Year of 2022

**FIGURE NUMBER**  
Figure 8-7

1:75,000 @ A3  
1,000 500 0 1,000 2,000 Metres

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- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Modelled Domain
  - 99.79th Percentile 1h NO2 Process Contribution ( $\mu\text{g}/\text{m}^3$ )
  - Human Health Receptor (Operational Phase)

**NOTES**

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**ISSUE PURPOSE**

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**FIGURE TITLE**

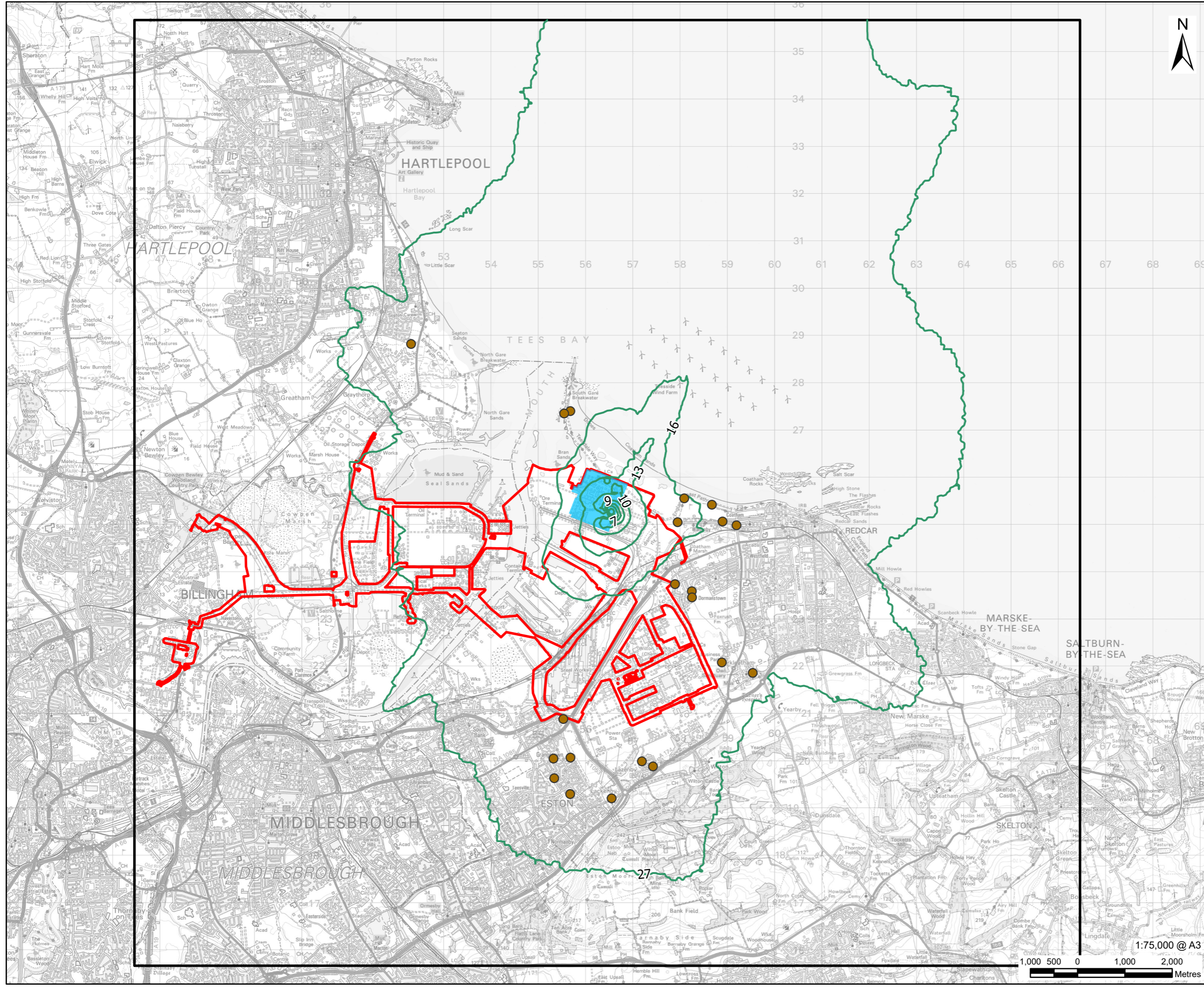
99.79th Percentile 1h NO2 Process Contribution for the Proposed Development during Start Up for Phase 1 and 2 Combined – Case A, for the Worst Affected Meteorological Year of 2021

**FIGURE NUMBER**

Figure 8-8

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- LEGEND**
- Proposed Development Site Boundary
  - Main Site
  - Modelled Domain
  - 99.79th Percentile 1h NO2 Process Contribution ( $\mu\text{g}/\text{m}^3$ )
  - Human Health Receptor (Operational Phase)

**NOTES**

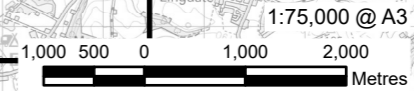
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**ISSUE PURPOSE**  
PEI Report

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60689030

**FIGURE TITLE**  
99.79th Percentile 1h NO2 Process Contribution for the Proposed Development during Emergency Operations for Phase 1 and 2 Combined – Case B, for the Worst Affected Meteorological Year of 2022

**FIGURE NUMBER**  
Figure 8-9



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