

**TARMAC Air Quality Management Plan for the  
Management of PM<sub>10</sub> and Fugitive Dust Emissions  
2021 (V12)**

## 1. Introduction

### Purpose

The purpose of this Air Quality Management Plan (AQMP) is to describe and facilitate the implementation of measures taken by TARMAC to manage air quality, limit potential atmospheric emissions and respond to air quality alerts regarding PM<sub>10</sub> and fugitive dust emissions.

Link to Steelworks AQMP: [Steelworks AQMP Revision 12](#)

## 2. Responsibility

The TARMAC Manager is required to ensure that suitable resource is provided to enable the effective implementation of this Air Quality Management Plan.

The Tata Steel Air Quality Specialist is responsible for ensuring that appropriate support is provided to TARMAC to enable the effective implementation of their Air Quality Management Plans and is also responsible for ensuring that compliance with the plans is audited as part of an agreed auditing schedule.

A full list of Steelworks AQMP Tasks and Responsibilities can be found in Appendix 1

### Daily Management

The Environment Department monitor and discuss a range of key parameters. Key Performance Indicators (KPI's) have been assigned to enable actions to be taken in response to the KPI status. For Air Quality Governance, refer to the Environment Daily Management Procedure (available from the Tata Steel Environment Department upon request).

### External Communication

The Environment Department is the key point of contact at the Steelworks for communication with external bodies (e.g. Natural Resources Wales (NRW), Welsh Government (WG), Neath Port Talbot County Borough Council (NPTCBC)) on Air Quality. Other Departments should only communicate with external bodies on Air Quality, if the Environment Department are made aware and are involved beforehand. Documentation relating to Air Quality should only be provided to external bodies following review and agreement from the Environment Department.

TARMAC are required to communicate any incidents that may have an impact on Air Quality (e.g. uncontrolled releases of dust, failure of abatement systems) to the Environment Department. If reportable, Environment Department within Tarmac should notify such issues to NRW. The criteria for informing and notifying NRW (under EPR) are outlined in Section 4.3, 4.4 and Schedule 5 of the installation permit.

All incidents that may have an impact on air quality are to be recorded via the Environmental Incident Form (EIF) system, investigated and closed out as per procedure (document reference number STRUK-1020-0003 [EIF Procedure](#)). The EIF Procedure is available from the Tata Steel Environment Department upon request.

### 3. Monitoring and Responding to PM<sub>10</sub> Concentrations and Risk of Fugitive Dust Emissions

The Environment Department monitor and respond to elevated PM<sub>10</sub> concentrations and the risk of fugitive dust emissions in Port Talbot. Monitoring and response requirements are outlined below.

#### PM<sub>10</sub> Concentrations

The PM<sub>10</sub> & Fugitive Dust Communication Guidance Procedure (available from the Tata Steel Environment Department upon request) outlines the process to be followed to monitor PM<sub>10</sub> concentrations at the AURN (Automatic Urban Rural Network) and other offsite monitors throughout the day and determine the risk of a localised PM<sub>10</sub> Breach.

#### Risk of Fugitive Dust Emissions

Tata Steel have an network of site boundary monitors, measuring Total Suspended Particulate (TSP) and PM<sub>100</sub> concentrations, which are used as an indication for the potential of fugitive dust in Port Talbot as of Q1 FY22. The locations of the site boundary monitors can be found in Appendix 10.

This process, described below, replaces the previous Low, Medium and High Risk categorisation based on the output of the Envirosuite Advanced Risk Report (Steelworks AQMP Revision 11, Appendix 3 – Dust Forecast Guidance).

#### Fugitive Dust Medium Risk Alerts

Following two to four consecutive elevated hourly concentrations being recorded at one or multiple boundary monitors within usual office hours, an investigation will commence as soon as possible, potentially resulting in the issuing of a 'Fugitive Dust Medium Risk Alert'.

A Medium Alert will be issued when the following weather conditions are forecast for the remainder of the day the alert was triggered on and until at least 8:30am the following day:

- Dry conditions
- Temperature in excess of 15°C
- The prevailing wind direction is forecast to be towards town (Margam and/or Taibach and/or Aberavon)

A Medium Alert will not be issued in the following circumstances

- The boundary monitor(s) in question is impacted from off-site sources (NB: Medium and High PM<sub>10</sub> Alerts will be issued regardless of wind direction)
- A Medium or High PM<sub>10</sub> Alert has already been issued

#### Fugitive Dust High Risk Alerts

Following five consecutive elevated hourly concentrations being recorded at one or multiple boundary monitors within usual office hours, an investigation will commence as soon as possible, potentially resulting in the issuing of a 'Fugitive Dust High Risk Alert'.

A High Alert will be issued when the following weather conditions are forecast for the remainder of the day the alert was triggered on and until at least 8:30am the following day:

- Dry conditions
- Temperature in excess of 15°C
- The prevailing wind direction is forecast to be towards town (Margam and/or Taibach and/or Aberavon)

A High Alert will not be issued in the following circumstances

- The boundary monitor(s) in question is impacted from off-site sources (NB: Medium and High PM<sub>10</sub> Alerts will be issued regardless of wind direction)
- A High PM<sub>10</sub> Alert has already been issued

## Road Management

In addition to the monitoring detailed above, the requirement for site water bowser deployment is monitored by the Environment Department during office hours and the following are conditions which will be considered:

- Dry conditions
- Temperature in excess of 15°C
- The prevailing wind direction is forecast to be towards town (Margam and/or Taibach and/or Aberavon)
- Observations made or EIF raised related to dry road conditions

However, it should be noted that production services suppliers are empowered to deploy site water bowsers as required. The requirement for the deployment of site water bowsers during the weekend period will be monitored each Friday.

The Water Bowser Routes and Fill Point Map can be found in Appendix 8.

## 4. Communication

### PM<sub>10</sub> Communications

To facilitate compliance with the daily mean PM<sub>10</sub> objective, a communication will be sent to key site contacts in TARMAC from the Environment Department by 08.30am if Medium or High Risk alert level triggers are met. The process of completing the communication is outlined in the PM<sub>10</sub> & Fugitive Dust Communication Guidance Procedure (available from the Tata Steel Environment Department upon request). The communication will state the risk of a localised breach at the AURN (Automatic Urban Rural Network Monitor) monitor and the response that should be made by key stakeholders. In the event that data is unavailable for the AURN monitor, the risk of a localised breach will be determined using data from the Prince Street monitor (NPTCBC monitor network). If data is unavailable for the Prince Street monitor, data from the Penrhyn monitor (Tata Steel on-site monitor network) will be used. The location of the Penrhyn monitor can be found in Appendix 9. The Environment Department will monitor the level of risk throughout the day and will issue an update should the level of risk change.

Examples of Medium and High Alert communications are provided in Appendix 2.

Personnel in TARMAC should contact the Environment Department, to be added or removed from the communication circulation list.

TARMAC actions to be undertaken in response to communications and automated alerts are outlined in Section 4.

### PM<sub>10</sub> Automated Alerts (evenings and weekends)

In the absence of a communication (during evenings, weekends and on public holidays), TARMAC shall refer to and act upon automated alerts (in the form of emails from 'Envirosuite – Alerts' [alerts-no-reply@envirosuite.com](mailto:alerts-no-reply@envirosuite.com)). Following the cease of automatically generated alerts from NPTCBC to key personnel, Tata Steel has developed a system of automated alerts with a third party (Envirosuite). These automated alerts should be used by TARMAC to support an appropriate response to elevated PM<sub>10</sub> concentrations at the AURN monitor in Port Talbot.

The circulation list for the automated alerts from Envirosuite is the same as that of the manual communications issued by the Environment Department.

Key personnel in TARMAC will receive an automated alert in the event of the following trigger being met:

- **Medium Risk:** The running mean PM<sub>10</sub> concentration (minus the transboundary influence) at the AURN monitor has reached 35µg/m<sup>3</sup>

|                         |                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alert Triggered:</b> | 28-Sep-2021 04:00 (GMT Standard Time)                                                                                                                                                                                                                                              |
| <b>Alert Level:</b>     | 2                                                                                                                                                                                                                                                                                  |
| <b>Alert Message:</b>   | The current risk of a localised breach at the AURN monitor is MEDIUM (running mean minus transboundary influence >35ug/m3). Please ensure any emissions observed or Environmentally Critical Equipment (ECE) issues are reported via the Environmental Incident Form (EIF) system. |

- **High Risk:** The running mean PM<sub>10</sub> concentration (minus the transboundary influence) at the AURN monitor has reached 45µg/m<sup>3</sup>

|                         |                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alert Triggered:</b> | 01-Oct-2021 01:00 (GMT Standard Time)                                                                                                                                                                                                                                                        |
| <b>Alert Level:</b>     | 3                                                                                                                                                                                                                                                                                            |
| <b>Alert Message:</b>   | The current risk of a localised breach at the AURN monitor is HIGH (running mean minus transboundary influence >45ug/m3). Please ensure agreed High Alert Actions are in place and those responsible provide feedback to the Environment Department via the standard feedback form cascaded. |

### Fugitive Dust Medium and High Risk Alert Communications

The communication will state the risk of fugitive dust emissions in the local community and the response that should be made by TARMAC. The Environment Department will monitor the level of risk throughout the day and will issue an update should the level of risk increase.

The Fugitive Dust Medium and High Risk Alerts will take the form of a one page email communication which will outline the potential sources within the Steelworks boundary (e.g. Works Areas or Contractor designated areas). The communication will only be sent to the relevant stakeholders in TARMAC (i.e. responsible persons within those areas).

The decision whether to issue communications on the weekend and Bank Holidays will be reviewed by the Environment Department periodically.

The process of communicating the increased risk of fugitive dust emissions is outlined in the PM<sub>10</sub> & Fugitive Dust Communication Guidance Procedure (available from the Tata Steel Environment Department upon request).

Examples of the Fugitive Dust Medium and High Risk Alert templates can be found in Appendix 3 and Appendix 4 respectively.

## Road Management Communications

When the conditions described in Section 2 are met, a Road Management Communication will be issued to all relevant stakeholders in TARMAC within office hours, stating the requirement to deploy site water bowsters.

The requirement for the deployment of site water bowsters during the weekend period will be communicated by exception each Friday.

The decision of ceasing bowser deployment (for example, in the event of rainfall) is the responsibility of the Area Contract Representatives named on the communication template.

An example of the communication can be found in Appendix 7.

## 5. Action Implementation and Feedback – PM<sub>10</sub> & Fugitive Dust Emissions

In order to limit potential atmospheric emissions of PM<sub>10</sub> and fugitive dust, TARMAC are required to employ abatement methods for these emissions. Sources of PM<sub>10</sub> and fugitive dust emissions at TARMAC, the abatement methods employed and the frequency of abatement are to be summarised in Table 1 below:

**Table 1: Potential Sources of PM<sub>10</sub>, abatement employed and frequency of abatement**

| Area   | Operation                                                                              | Equipment                                                                                    | Control Procedure |
|--------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------|
| TARMAC | BOS Slag Stockpiles                                                                    | None                                                                                         | RA240119          |
| TARMAC | BF Slag Stockpiles                                                                     | None                                                                                         | RA240119          |
| TARMAC | Granulate Stockpiles                                                                   | None                                                                                         | RA240119          |
| TARMAC | Dig and Haul No.4                                                                      |                                                                                              | RA240119          |
| TARMAC | Dig and Haul No.5                                                                      |                                                                                              | RA240119          |
| TARMAC | BF Slag Crushing                                                                       | Water suppression systems are fitted to all crushing/grading and screening equipment's       | RA240119          |
| TARMAC | BF Slag Washing                                                                        | Unknown                                                                                      | RA240119          |
| TARMAC | BOS Slag Crushing                                                                      | Water suppression systems are fitted to all crushing/grading and screening equipment's       | RA240119          |
| TARMAC | Site roads:<br>(i) Haul road to tip from BF 4/5<br>(ii) Haul road to steel slag stocks | Volvo truck Mounted Water Bowser<br>1x 7000 l tractor drawn bowser<br>Fixed haul road sprays | RA240119          |

|        |                                             |                                                                                                             |                                          |
|--------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
| TARMAC | Site roads:<br>(i) entrance/exit            | 30001 l super bowser<br>1x 7000 l tractor drawn bowser (contract crush operation.<br>Fixed haul road sprays | RA240119                                 |
| TARMAC | Granulation Plant<br>(i) Plant and roads    | None                                                                                                        | RA240119                                 |
| TARMAC | Wharf operations                            | None                                                                                                        | RA240119                                 |
| TARMAC | Rail transfer operations<br>(near HAA site) | None                                                                                                        | RA240119<br>Monitoring –<br>Water Bowser |
|        |                                             |                                                                                                             |                                          |

Actions that will be implemented by TARMAC under for the medium and high risk scenarios for the risk of a localised PM<sub>10</sub> Breach (manual or automated) and risk of fugitive dust (manual only) are outlined below.

#### Medium Risk:

On medium risk days, TARMAC will undertake the usual day to day checks on visual emissions and emissions of particulates as well as usual checks to ensure that abatement systems are operating as designed. TARMAC will take appropriate action to mitigate abnormal emissions or abatement failure should such issues be identified.

The Environment Department will complete site inspections via site monitoring systems prior to the Environment Department DSUM. Any issues will be actioned in the meeting and reported to TARMAC for an Environmental Incident Form(s) (EIFs) to be raised and the emission to be mitigated.

In addition, the communication template will inform recipients in TARMAC of the requirement to report any emissions observed or issues related to abatement systems (ECE) via the EIF System. This feedback (via the EIF system) will be used to inform further action if needed.

#### High Risk:

On high risk days, TARMAC will continue to undertake the actions taken on medium risk days. In addition, an independent check on Environmentally Critical Equipment (ECE) Priority 1 items will be carried out to ensure effective operation and ensure appropriate action is taken to mitigate abnormal emissions or abatement failure should such issues be identified. Further, TARMAC will provide feedback to the Environment Department via the standard feedback template (Appendix 5).

No additional high alert actions have been identified for TARMAC during the review which took place in autumn 2021 or during the AQMP audit which took place on 5<sup>th</sup> November 2021.

In addition, the Environment Department will complete a site drive in the event that a High Alert is issued or as soon as possible following the risk level increasing to high from low or medium, aligned to the Site Drive Standard (Appendix 6).

The Environment Department will also provide appropriate updates, in line with the communication procedures outlined in Section 3 – Communication.

## 6. Reporting

### Response to a Breach of the Daily Mean PM<sub>10</sub> Objective

The Environment Department will carry out an investigation in the instance that the daily mean PM<sub>10</sub> concentration objective is breached. The investigation will comprise of 4 phases:

Phase 1: Establish if the breach is attributable to a localised or regional event

Phase 2: Identify if the breach can be attributed to on-site sources

Phase 3: Evaluation of site PM<sub>10</sub> data

Phase 4: By exception, evaluation of site process data based on findings from Phase 3

Depending on the findings at each phase, the investigation may stop and make conclusions, or progress to the next stage. For example, if it is identified in Phase 1 that the breach is attributable to a localised event and there is potential to attribute the breach to operations at the Steelworks, the investigation process continues to Phase 2. However, if the breach is attributable to a regional event, the investigation will not continue, and conclusions will be made.

If it is identified in Phase 2 that the breach can be attributed to off-site sources, the investigation will stop at this stage and an investigation will be carried out by NPTCBC to determine whether any other significant events have occurred in the Port Talbot Air Quality Management Area that may have caused the breach (e.g. localised fires). However, if Phase 2 identifies that the Steelworks cannot be discounted as the cause, the investigation will continue to Phase 3. In Phase 3, PM<sub>10</sub> data from on-site monitors will be used to determine which sources at the Steelworks contributed to the breach.

The investigation will progress to Phase 4 if the analysis of the off and on-site data suggests that specific sources at the Steelworks cannot be discounted as causing the breach. Process data and feedback of plant conditions and mitigating actions taken supplied by Works Areas and key contractors not discounted as potential contributors will feed into Phase 4 of the investigation. TARMAC will ensure that suitable resource is provided to respond to requests for process data and feedback following the issue of medium and high PM<sub>10</sub> alerts.

### Reporting the Outcome of Breach Investigations to Natural Resources Wales (NRW)

In the event that the AURN monitor has exceeded the pro-rata allowance for breach days and the Short Term Action Plan (STAP) has been enacted, an initial investigation outlining the outcome of breach investigations will be submitted to NRW within two working days of a breach. This initial investigation will be used to determine if any immediate actions need to be undertaken to prevent the re-occurrence of a breach.

A finalised breach investigation report will be submitted to NRW via email ([industryregulation.sw Wales@cyfoethnaturiolcymru.gov.uk](mailto:industryregulation.sw Wales@cyfoethnaturiolcymru.gov.uk)) within 10 working days of the breach. Where appropriate, this report will include any lessons learnt and actions that need to be taken to reduce the risk of making a significant contribution to any daily average concentration of PM<sub>10</sub> that exceeds 50µg/m<sup>3</sup> recorded at the AURN in the Port Talbot AQMA. TARMAC are to provide feedback of plant conditions and mitigating actions taken within 5 working days of a breach.

In the event that wind speed and wind direction data is not available for the AURN monitor and it is known that that data will not be reinstated by the time the report is due for submission (within 10 working days of a breach), AURN wind data will be substituted with data from the Tata Steel on-site monitor network as agreed with NRW.

### Annual and Quarterly Data Assessment and Report

The Environment Department shall assess and report annually and quarterly the data produced from the on-site ambient air quality monitoring network. Quarterly and annual assessment reports shall be submitted to NRW at the following reporting email address.

[industryregulation.swwales@cyfoethnaturiolcymru.gov.uk](mailto:industryregulation.swwales@cyfoethnaturiolcymru.gov.uk)

Quarterly reports shall be produced for the quarters January to March, April to June and July to September. The quarterly reports should be submitted to NRW by the last day of the month following the end of each calendar quarter e.g. January to March's report should be submitted by the end of April. An annual report should be produced at the end of each calendar year and will be submitted to NRW by the last working day of January the following calendar year. A quarterly report for the period October to December will not be submitted as the information contained therein would be duplicated in the Annual Report which is to be submitted by the same date.

Each report shall describe which monitors have been deployed over the course of the monitoring period and provide details of any monitors that have been taken out of commission for calibration and maintenance or for repair as a result of failure. The reports will present analysed Air Quality data from each monitor deployed during that monitoring period.

The annual report will also include a summary of breach investigations undertaken throughout the year. Where appropriate, this will include any lessons learnt and actions that need to be taken to reduce the risk of making a significant contribution to any daily average concentration of PM<sub>10</sub> that exceeds 50µg/m<sup>3</sup> recorded at the AURN in the Port Talbot AQMA.

## 7. Audit and Annual Review

### Audit

The Environment Department will manage and undertake an annual schedule of Works Areas and key contractor Air Quality Management Plan (AQMP) audits. TARMAC will ensure that a suitable resource is provided for the undertaking of an AQMP audit. AQMP audits will be led by either the Air Quality Specialist or another member of the Environment Department (Lead Environment Engineer or Environment Engineer) with support from the Air Quality Specialist as identified in the schedule.

Table 1 below shows a timeline for the issuing of audit reports. Any actions (e.g. observations, non-conformances) from the TARMAC audit will be issued by email along with an agreed timeline for completion and tracked issued via Microsoft Teams 'AQ Management' Team (AQMP Audit channel) and through the Production Services Monthly Review Meeting to enable monitoring of progress towards completion.

**Table 1: Timeline for issue of audit report and actions**

| Activity                                                                                                                                                                                                                                                                                                                                     | Timescale                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Complete audit at TARMAC                                                                                                                                                                                                                                                                                                                     | in month scheduled              |
| Submit draft audit report to approver                                                                                                                                                                                                                                                                                                        | within 10 working days of audit |
| Approve audit report                                                                                                                                                                                                                                                                                                                         | within 15 working days of audit |
| Make required changes and submit to TARMAC                                                                                                                                                                                                                                                                                                   | within 20 working days of audit |
| Issue actions via email / Microsoft Teams (following confirmation of most appropriate forum of action tracking and agreed due dates with AQMP owner).<br>Examples of appropriate forums include:<br>Works Areas – Environmental PDCA/WSUM and AQMP Audits Microsoft Team channel<br>Key contractors – Monthly Contractor Performance meeting | within 30 working days of audit |

### Annual Review

The Steelworks and TARMAC AQMP will be reviewed annually. The review will be used to ensure the continuing suitability and effectiveness of the plan. The plan will be considered effective if compliance with the EU Air Quality Directive is achieved by the Port Talbot Air Quality Management Area and if the number of air quality related complaints received is below the set limit as prescribed in Annual Plan.

A more frequent review will be undertaken if changes occur that may affect the suitability and / or effectiveness of the plan

## Appendix 1: Steelworks AQMP Tasks and Responsibilities

Those responsible for undertaking the Steelworks AQMP are outlined in the table below

| Task                                                                                                                                                                                                                                         | Responsible                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Ensuring that a suitable resource is provided to enable the effective implementation of the Steelworks Air Quality Management Plan.                                                                                                          | Safety, Health and Environment Manager                           |
| Providing resource for the effective implementation of Works area and Key Contractor Air Quality Management Plans.                                                                                                                           | TARMAC Manager / Environment Manager                             |
| Providing appropriate support to Works Areas and Key Contractors to enable the effective implementation of their Air Quality Management Plans and ensuring that compliance with the plans is audited as part of an agreed auditing schedule. | Air Quality Specialist                                           |
| Key points of contact at the Steelworks for communication with external bodies (e.g. NRW, Welsh Government, NPTCBC) on Air Quality.                                                                                                          | Environment Department                                           |
| Communication of any incidents that may have an impact on Air Quality (e.g. uncontrolled releases of dust, failure of abatement systems) to the Environment Department.                                                                      | TARMAC representatives                                           |
| Ensuring effective abatement of atmospheric emissions of PM <sub>10</sub> and fugitive dust                                                                                                                                                  | TARMAC                                                           |
| Monitoring particulate concentrations, dust deposition and complaints figures                                                                                                                                                                | Environment Department, TARMAC                                   |
| Responding to elevated particulate concentrations and increasing dust deposition and complaints numbers                                                                                                                                      | Environment Department, TARMAC                                   |
| Medium and High PM <sub>10</sub> and Fugitive Dust communications                                                                                                                                                                            | Environment Department                                           |
| Upkeep of the Steelworks Air Quality Management Plan                                                                                                                                                                                         | Air Quality Specialist                                           |
| Upkeep of the Works Area and key contractor Air Quality Management Plan                                                                                                                                                                      | F&E Manager                                                      |
| Review and interpretation of PM <sub>10</sub> data, risk of fugitive dust and weather conditions in Morning Meetings.                                                                                                                        | Environment Department representative/TARMAC representative(s)   |
| Implementation of response actions to reduce potential emissions of PM <sub>10</sub> and fugitive dust                                                                                                                                       | Environment Department, TARMAC representative(s)                 |
| Provision of a suitable resource to undertake a breach investigation.                                                                                                                                                                        | Environment Manager/ TARMAC Works Manager/Manufacturing Manager/ |
| Undertaking breach Investigations                                                                                                                                                                                                            | Air Quality Specialist                                           |
| Providing process data to feed into PM <sub>10</sub> breach investigations and investigation of dust fallout events.                                                                                                                         | TARMAC representative(s)                                         |
| Air Quality Governance                                                                                                                                                                                                                       | See Section 9                                                    |
| Undertaking quarterly and annual site data analysis and reporting the findings to NRW                                                                                                                                                        | Air Quality Specialist                                           |

## Appendix 2: PM<sub>10</sub> Medium and High Risk Alert Examples



# Environment Daily Air Quality Communication

The current risk of a localised PM<sub>10</sub> breach in Port Talbot today is **Medium** 😊

| Today's PM <sub>10</sub> concentrations           | Running Mean<br>XX µg/m <sup>3</sup>                | Normal PT background<br>23.0µg/m <sup>3</sup>        | Additional Trans-boundary Influence<br>XX µg/m <sup>3</sup>                                                                                                                                                                                                   | Additional Localised Influence<br>XX µg/m <sup>3</sup>        |               |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|---------------------------------------------------|-----------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|---|
| <b>Other parameters</b>                           | <b>Parameter</b>                                    |                                                      | <b>Commentary</b>                                                                                                                                                                                                                                             |                                                               | <b>Status</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | <b>Bowser Deployment</b>                            |                                                      | Bowsters will need to be deployed based on the forecast below and current site conditions. Please can all owners named in "Area Contract Representatives" below ensure bowsters are deployed. However if conditions change please refer to rule set cascaded. |                                                               | 😊             |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Previous 24hr Bowser/Sweeper Activity (Total Hours) |                                                      | Runtech                                                                                                                                                                                                                                                       | Harsco                                                        | LWIS          | DLS  |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Current Wind Direction                              |                                                      |                                                                                                                                                                                                                                                               |                                                               |               | 😊    |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | AQ related EIFs raised today                        |                                                      |                                                                                                                                                                                                                                                               |                                                               |               | 😊    |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Temperature Max & Min                               |                                                      |                                                                                                                                                                                                                                                               |                                                               |               | 😊    |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Air Pollution                                       |                                                      |                                                                                                                                                                                                                                                               |                                                               |               | 😊    |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
| <b>Forecast</b>                                   | <b>Parameter</b>                                    |                                                      | <b>Commentary</b>                                                                                                                                                                                                                                             |                                                               | <b>Status</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Forecast wind direction/speed                       |                                                      |                                                                                                                                                                                                                                                               |                                                               | 😊             |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | Chance of rain                                      |                                                      |                                                                                                                                                                                                                                                               |                                                               | 😞             |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
| <b>Yesterday's PM<sub>10</sub> concentrations</b> | <b>Daily Mean<br/>XX µg/m<sup>3</sup></b>           | <b>Normal PT background<br/>23.0µg/m<sup>3</sup></b> | <b>Additional Trans-boundary Influence<br/>XX µg/m<sup>3</sup></b>                                                                                                                                                                                            | <b>Additional Localised Influence<br/>XX µg/m<sup>3</sup></b> |               |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | CYTD Total number of breaches X                     |                                                      | CYTD attributable to national events X                                                                                                                                                                                                                        |                                                               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
| <b>Weather Summary</b>                            | *Insert weather forecast here*                      |                                                      |                                                                                                                                                                                                                                                               |                                                               |               |      |      |      |      |      |      |      |      |      |      |      |      |      |          |   |
|                                                   | 0600                                                | 0700                                                 | 0800                                                                                                                                                                                                                                                          | 0900                                                          | 1000          | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 0000 Tue |   |
|                                                   | ☁                                                   | ☁                                                    | ☁                                                                                                                                                                                                                                                             | ☁                                                             | ☁             | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁        | ☁ |
|                                                   | 5°                                                  | 5°                                                   | 5°                                                                                                                                                                                                                                                            | 6°                                                            | 6°            | 7°   | 7°   | 8°   | 8°   | 8°   | 7°   | 7°   | 7°   | 7°   | 8°   | 8°   | 8°   | 8°   | 8°       |   |
|                                                   | 9%                                                  | 8%                                                   | 9%                                                                                                                                                                                                                                                            | 10%                                                           | 10%           | 10%  | 11%  | 11%  | 13%  | 17%  | 23%  | 26%  | 27%  | 29%  | 34%  | 39%  | 43%  | 43%  | 42%      |   |
|                                                   | ☁                                                   | ☁                                                    | ☁                                                                                                                                                                                                                                                             | ☁                                                             | ☁             | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁    | ☁        |   |

As a minimum, each area should be monitoring PM<sub>10</sub> concentrations and checking for potential sources of PM<sub>10</sub> and effectiveness of abatement.

If you have contractors working in your area please ensure that all necessary controls are in place to keep dust to an absolute minimum. Everyone's participation across all Works areas is required.

**Key representatives that are responsible for providing feedback of emissions observed and Environmentally Critical Equipment (ECE) issues via the EIF System are as follows:**

NB: Area Representatives and Deputies are not required to reply to this alert with feedback via email.

| Works Area            | Area Representative | Deputy |
|-----------------------|---------------------|--------|
| Mills                 |                     |        |
| Harbour & Blending    |                     |        |
| Sinter Plant          |                     |        |
| Coke Ovens            |                     |        |
| Carbon                |                     |        |
| Blast Furnaces        |                     |        |
| BOS Plant             |                     |        |
| Harsco                |                     |        |
| Tarmac                |                     |        |
| Darlow Lloyd and Sons |                     |        |
| Energy                |                     |        |
| Runtech Services      |                     |        |
| LWIS                  |                     |        |

### Area Contract Representatives

|                                                                                   |                                                                                |                                                                    |                                                                     |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Runtech</b><br>Area: Site Services 1<br>Owner: XXXX<br>TATA: XXXX              | <b>Runtech</b><br>Area: Site Services 2<br>Owner: XXXX<br>TATA: XXXX           | <b>Runtech</b><br>Area: Slab Handling<br>Owner: XXXX<br>TATA: XXXX | <b>Lloyd Walters</b><br>Area: Burdening 1<br>Owner: XXXX TATA: XXXX | <b>Lloyd Walters</b><br>Area: Burdening 2<br>Owner: XXXX TATA: XXXX            |
| <b>Darlow Lloyds &amp; Sons</b><br>Area: Coke making<br>Owner: XXXX<br>TATA: XXXX | <b>Darlow Lloyds &amp; Sons</b><br>Area: HAA & Regen<br>Owner: XXXX TATA: XXXX | <b>Harsco</b><br>Area: Metal Recovery<br>Owner: XXXX<br>TATA: XXXX | <b>Tarmac</b><br>Area: Slag Processing<br>Owner: XXXX<br>TATA: XXXX | <b>Darlow Lloyds &amp; Sons</b><br>Area: Landfill<br>Owner: XXXX<br>TATA: XXXX |



## Environment Daily Air Quality Communication

The current risk of a localised PM<sub>10</sub> breach in Port Talbot today is **High** ☹️

|                                             |                                                     |                                               |                                                                                                                                                                                                                                                           |        |                                                           |        |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|---------------------------------------------|-----------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|
| Today's PM <sub>10</sub> concentrations     | Running Mean<br>XX µg/m <sup>3</sup>                | Normal PT background<br>23.0µg/m <sup>3</sup> | Additional Trans-boundary<br>Influence<br>XX µg/m <sup>3</sup>                                                                                                                                                                                            |        | Additional Localised<br>Influence<br>XX µg/m <sup>3</sup> |        |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Other parameters                            | Parameter                                           |                                               | Commentary                                                                                                                                                                                                                                                |        |                                                           | Status |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Bowser Deployment                                   |                                               | Bowser will need to be deployed based on the forecast below and current site conditions. Please can all owners named in "Area Contract Representatives" below ensure bowser are deployed. However if conditions change please refer to rule set cascaded. |        |                                                           | ☹️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Previous 24hr Bowser/Sweeper Activity (Total Hours) |                                               | Runtech                                                                                                                                                                                                                                                   | Harsco | LWIS                                                      | DLS    |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Current Wind Direction                              |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☺️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | AQ related EIFs raised today                        |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☺️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Temperature Max & Min                               |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☺️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Air Pollution                                       |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☺️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Forecast                                    | Parameter                                           |                                               | Commentary                                                                                                                                                                                                                                                |        |                                                           | Status |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Forecast wind direction/speed                       |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☺️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | Chance of rain                                      |                                               |                                                                                                                                                                                                                                                           |        |                                                           | ☹️     |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Yesterday's PM <sub>10</sub> concentrations | Daily Mean<br>XX µg/m <sup>3</sup>                  | Normal PT background<br>23.0µg/m <sup>3</sup> | Additional Trans-boundary<br>Influence<br>XX µg/m <sup>3</sup>                                                                                                                                                                                            |        | Additional Localised<br>Influence<br>XX µg/m <sup>3</sup> |        |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | CYTD Total number of breaches X                     |                                               | CYTD attributable to national events X                                                                                                                                                                                                                    |        |                                                           |        |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
| Weather Summary                             | *Insert weather forecast here*                      |                                               |                                                                                                                                                                                                                                                           |        |                                                           |        |      |      |      |      |      |      |      |      |      |      |      |      |          |  |
|                                             | 0600                                                | 0700                                          | 0800                                                                                                                                                                                                                                                      | 0900   | 1000                                                      | 1100   | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 0000 Tue |  |
|                                             | ☁️                                                  | ☁️                                            | ☁️                                                                                                                                                                                                                                                        | ☁️     | ☁️                                                        | ☁️     | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️   | ☁️       |  |
|                                             | 5°                                                  | 5°                                            | 5°                                                                                                                                                                                                                                                        | 6°     | 6°                                                        | 7°     | 7°   | 8°   | 8°   | 8°   | 7°   | 7°   | 7°   | 7°   | 8°   | 8°   | 8°   | 8°   | 8°       |  |
|                                             | ☂️                                                  | ☂️                                            | ☂️                                                                                                                                                                                                                                                        | ☂️     | ☂️                                                        | ☂️     | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️   | ☂️       |  |
|                                             | 9%                                                  | 8%                                            | 9%                                                                                                                                                                                                                                                        | 10%    | 10%                                                       | 10%    | 10%  | 11%  | 13%  | 17%  | 23%  | 26%  | 27%  | 29%  | 34%  | 39%  | 43%  | 43%  | 42%      |  |
|                                             | ☹️                                                  | ☹️                                            | ☹️                                                                                                                                                                                                                                                        | ☹️     | ☹️                                                        | ☹️     | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️   | ☹️       |  |

As a minimum, each area should be monitoring PM<sub>10</sub> concentrations and checking for potential sources of PM<sub>10</sub> and effectiveness of abatement.

If you have contractors working in your area please ensure that all necessary controls are in place to keep dust to an absolute minimum. Everyone's participation across all Works areas is required.

Key representatives that are responsible for providing feedback (via standard feedback template following roll out) are as follows:

| Works Area            | Area Representative | Deputy |
|-----------------------|---------------------|--------|
| Mills                 |                     |        |
| Harbour & Blending    |                     |        |
| Sinter Plant          |                     |        |
| Coke Ovens            |                     |        |
| Carbon                |                     |        |
| Blast Furnaces        |                     |        |
| BOS Plant             |                     |        |
| Harsco                |                     |        |
| Tarmac                |                     |        |
| Darlow Lloyd and Sons |                     |        |
| Energy                |                     |        |
| Runtech Services      |                     |        |
| LWIS                  |                     |        |

### Area Contract Representatives

|                                                                                   |                                                                                   |                                                                    |                                                                        |                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Runtech</b><br>Area: Site Services 1<br>Owner: XXXX<br>TATA: XXXX              | <b>Runtech</b><br>Area: Site Services 2<br>Owner: XXXX<br>TATA: XXXX              | <b>Runtech</b><br>Area: Slab Handling<br>Owner: XXXX<br>TATA: XXXX | <b>Lloyd Walters</b><br>Area: Burdening 1<br>Owner: XXXX TATA:<br>XXXX | <b>Lloyd Walters</b><br>Area: Burdening 2<br>Owner: XXXX TATA:<br>XXXX         |
| <b>Darlow Lloyds &amp; Sons</b><br>Area: Coke making<br>Owner: XXXX<br>TATA: XXXX | <b>Darlow Lloyds &amp; Sons</b><br>Area: HAA & Regen<br>Owner: XXXX TATA:<br>XXXX | <b>Harsco</b><br>Area: Metal Recovery<br>Owner: XXXX<br>TATA: XXXX | <b>Tarmac</b><br>Area: Slag Processing<br>Owner: XXXX<br>TATA: XXXX    | <b>Darlow Lloyds &amp; Sons</b><br>Area: Landfill<br>Owner: XXXX<br>TATA: XXXX |

Appendix 3: Fugitive Dust Medium Risk Alert Example



Fugitive Dust Risk Alert

Medium Alert

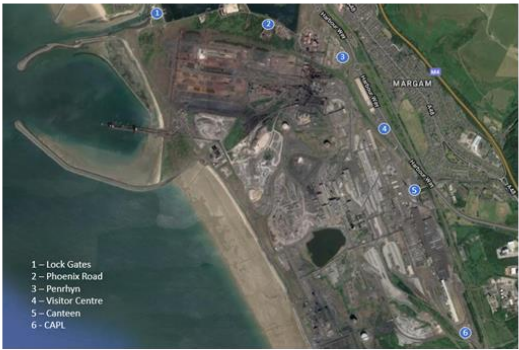
\*Two/Three/Four\* consecutive hours of elevated TSP / PM<sub>100</sub> concentrations have been recorded at the  
\*insert monitor name here\* boundary monitor

Elevated Concentrations Recorded  
XX µg/m<sup>3</sup>

Date/Times  
dd/mm/yy hh:mm

Wind Direction  
xxx°

Boundary Monitor Locations



Trajectory Model Output



Potential Contributing Sources

| Works Area | Area Representative | Deputy |
|------------|---------------------|--------|
|            |                     |        |
|            |                     |        |
|            |                     |        |
|            |                     |        |
|            |                     |        |

Please review plant conditions and environmentally critical equipment (ECE) status during the hours identified above and raise an Environmental Incident Form(s) (EIF) if required.

Area Representatives and Deputies are not required to reply to this alert with feedback via email.

Appendix 4: Fugitive Dust High Risk Alert Example



Fugitive Dust Risk Alert

High Alert – Requirement for Action

\*Five or more\* consecutive hours of elevated TSP / PM<sub>100</sub> concentrations have been recorded at the \*insert monitor name here\* boundary monitor

| Elevated Concentrations Recorded<br>XX µg/m <sup>3</sup> | Date/Times<br>dd/mm/yy hh:mm | Wind Direction<br>xxx° |
|----------------------------------------------------------|------------------------------|------------------------|
|                                                          |                              |                        |

Boundary Monitor Locations



Trajectory Model Output



Potential Contributing Sources

| Works Area | Area Representative | Deputy |
|------------|---------------------|--------|
|            |                     |        |
|            |                     |        |
|            |                     |        |
|            |                     |        |
|            |                     |        |

Identified Works Areas and Contractors above are required to **enact the High Alert Actions detailed in their Air Quality Management Plans (AQMPs) until 8:30am tomorrow, before which time a review will take place.**

In addition, identified Works Areas and Contractors above are required to **provide feedback via the Standard Feedback Template** communicated.

## Appendix 5: Example PM<sub>10</sub> & Fugitive Dust High Risk Alert Standard Feedback Template

| * Feedback to be provided as soon as possible upon receipt of a PM <sub>10</sub> ** or Dust Fallout High Alert<br>**In the event that a PM <sub>10</sub> High Alert is a precursor to a PM <sub>10</sub> Breach, the below template is to be updated so that the information provided covers the whole 24hr breach period |                                                                                            |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------|
| High Alert* Standard Feedback                                                                                                                                                                                                                                                                                             | Prompt(s)                                                                                  | Feedback/Comments |
| Date of High Alert                                                                                                                                                                                                                                                                                                        | N/A                                                                                        |                   |
| Plant Status                                                                                                                                                                                                                                                                                                              | Any plant down for maintenance?                                                            |                   |
| Status of Priority 1 Air Quality related Environmentally Critical Kit items                                                                                                                                                                                                                                               | Provide confirmation that the area ECE Register has been reviewed and is up to date        |                   |
| Permitted Release Points                                                                                                                                                                                                                                                                                                  | 1                                                                                          |                   |
|                                                                                                                                                                                                                                                                                                                           | 2                                                                                          |                   |
|                                                                                                                                                                                                                                                                                                                           | 3                                                                                          |                   |
|                                                                                                                                                                                                                                                                                                                           | 4                                                                                          |                   |
|                                                                                                                                                                                                                                                                                                                           | 5                                                                                          |                   |
| Shift Reports                                                                                                                                                                                                                                                                                                             | Elevated concentrations or breach recorded?                                                |                   |
|                                                                                                                                                                                                                                                                                                                           | Any AQ related issues raised?                                                              |                   |
| Aloa_DETECT [if applicable]                                                                                                                                                                                                                                                                                               | Any Level 3 or 2 emissions detected by Aloa_Detect camera(s)?                              |                   |
| Environmental Incident Forms (EIFs)                                                                                                                                                                                                                                                                                       | Any AQ Related EIFs raised (inc. reference number and details)                             |                   |
| Water Bowser Deployment                                                                                                                                                                                                                                                                                                   | Have water bowzers been deployed as instructed (via Daily AQ Communication)? [if relevant] |                   |
| High Alert Actions                                                                                                                                                                                                                                                                                                        | Provide confirmation that High Alert Actions have been put in place                        |                   |

## Appendix 6: Site Drive Standard

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <h2 style="text-align: center;">Environment Department</h2> <h3 style="text-align: center;">Site Drive Standard</h3> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <h1 style="text-align: center; background-color: #90EE90;">STANDARD - 007</h1>                                       |  |
| <ul style="list-style-type: none"> <li>• Rota for drive around is shown on slide below. Named Engineer will ensure they are in Port Talbot for that day. If the Named Engineer is unable to cover the day, it is their responsibility to arrange cover.</li> <li>• The site drive will be triggered by a High PM<sub>10</sub> or Fugitive Dust Alert. This will initially be discussed in the compliance DSUM, with the site drive being initiated from this meeting.</li> <li>• If the risk level increases from low or medium to high during the day, the site drive will be initiated by the person on the rota.</li> <li>• If significant rainfall is occurring, then there is no requirement for the site drive.</li> <li>• Van pre-flight check list to be completed prior to site drive inclusive of Covid guidelines.</li> <li>• Route to be followed is below.</li> <li>• 20 MPH speed limit is to be always adhered to.</li> <li>• Whilst on the site drive, conditions to be noted are indicated on the route (by camera symbols and the name of the location). The below should also be noted:             <ul style="list-style-type: none"> <li>• Road conditions (Wet / Dry / Lift off / spillage)</li> <li>• Bowsers / Sweepers activity (number deployed and location)</li> </ul> </li> <li>• It is the responsibility of the Engineer carrying out the site drive to raise EIFs for any emissions / issues noted unless the area in question has already done so.</li> <li>• Van is to be wiped down with disinfectant wipes upon arrival back at SHE Dept.</li> <li>• Pre-flight check to be finished and placed in folder</li> <li>• Key to be returned to designated location.</li> <li>• Observations to be included DSUM for discussion.</li> </ul> |                                                                                                                      |  |
| <h2 style="text-align: center;">Responsible<br/>Persons</h2>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <h2 style="text-align: center;">Environment Department</h2>                                                          |  |

An aerial photograph of a coastal industrial area, likely a port or refinery, with a red line tracing a route through the site. The route starts near a large body of water on the left, moves inland through various industrial structures and storage tanks, and then follows a path along the coastline. The map includes labels for 'Environmental Site Drive' and 'Route' in a blue box at the top, and 'STANDARD - 007' in a green box below it. The text 'Site Drive Route' is also visible on the map itself. The TATA logo is in the top left corner.

[illegible]



# Environmental Site Drive

## Rota

### STANDARD - 007

| ENVIRONMENTAL SITE DRIVE AROUND<br>WEEK 1 |        |
|-------------------------------------------|--------|
| Day                                       | Driver |
| Monday                                    |        |
| Tuesday                                   |        |
| Wednesday                                 |        |
| Thursday                                  |        |
| Friday                                    |        |

| ENVIRONMENTAL SITE DRIVE AROUND<br>WEEK 2 |        |
|-------------------------------------------|--------|
| Day                                       | Driver |
| Monday                                    |        |
| Tuesday                                   |        |
| Wednesday                                 |        |
| Thursday                                  |        |
| Friday                                    |        |

## Appendix 7: Road Management Communication



### Environment

### Road Management

Please be aware, one or more of the following triggers for water bowser deployment has been met:

- Dry conditions
- Temperature in excess of 15°C
- The prevailing wind direction is forecast to be towards town (Margam and/or Taibach and/or Aberavon)
- Observations made or EIF raised related to dry road conditions

Therefore, site water bowzers are to be deployed.

#### Weather Forecast:

| 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 | 0000<br>Thu |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |             |
| 16°  | 16°  | 16°  | 16°  | 17°  | 17°  | 17°  | 17°  | 17°  | 17°  | 16°  | 16°  | 16°  | 15°  | 15°  | 15°  | 15°         |
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |             |
| 20%  | 13%  | 8%   | 6%   | 4%   | 3%   | 3%   | 3%   | 4%   | 4%   | 3%   | 3%   | 3%   | 3%   | 3%   | 3%   | 4%          |
| 10   | 11   | 12   | 13   | 14   | 15   | 16   | 16   | 17   | 16   | 15   | 15   | 14   | 13   | 13   | 12   | 12          |

#### Area Contract Representatives

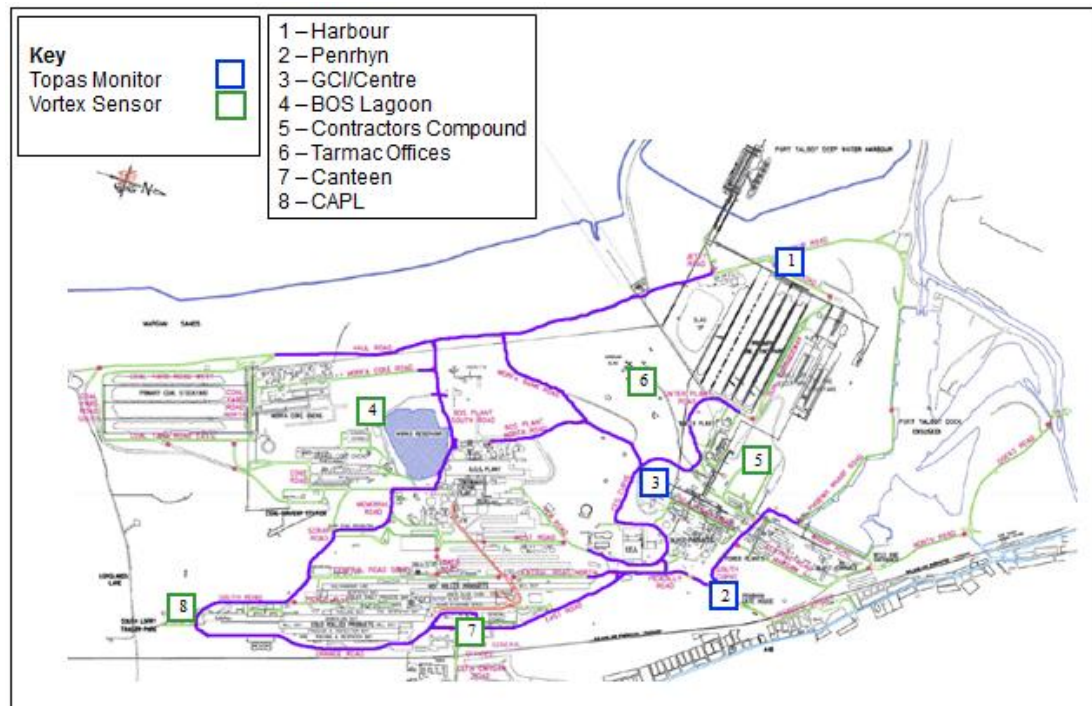
|                                                                         |                                                                         |                                                          |                                                              |                                                                      |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Runtech</b><br>Area: Site Services 1<br>Owner:<br>TATA:              | <b>Runtech</b><br>Area: Site Services 2<br>Owner:<br>TATA:              | <b>Runtech</b><br>Area: Slab Handling<br>Owner:<br>TATA: | <b>Lloyd Walters</b><br>Area: Burdening 1<br>Owner:<br>TATA: | <b>Lloyd Walters</b><br>Area: Burdening 2<br>Owner:<br>TATA:         |
| <b>Darlow Lloyds &amp; Sons</b><br>Area: Coke making<br>Owner:<br>TATA: | <b>Darlow Lloyds &amp; Sons</b><br>Area: HAA & Regen<br>Owner:<br>TATA: | <b>Harsco</b><br>Area: Metal Recovery<br>Owner:<br>TATA: | <b>Tarmac</b><br>Area: Slag Processing<br>Owner:<br>TATA:    | <b>Darlow Lloyds &amp; Sons</b><br>Area: Landfill<br>Owner:<br>TATA: |

Please be advised that a change in the weather conditions (e.g. heavy rainfall) will supersede this communication.

Appendix 8: Water Bowser Routes and Fill Point Map



## Appendix 9: Tata Steel PM<sub>10</sub> Onsite Monitor Network as planned from Q3 2021 (as agreed with NRW)



## Appendix 10: Tata Steel Site Boundary Monitor Locations

