

ATTACHMENT F2 – AIR MONITORING AND SAMPLING

Details of the air monitoring and sampling to be undertaken as part of the proposed restoration scheme are provided in Section 2.6.2 of the Environmental Impact Statement.

Proposed dust monitoring locations are shown in Figure 7.1 of the Environmental Impact Statement.

| Monitoring Reference No. | Parameter | Monitoring Frequency | Location (Grid Co-ordinates) | Accessibility of Sampling Points |
|--------------------------|-----------|----------------------|------------------------------|----------------------------------|
| D1 | Dust | Quarterly | 293236E 216137N | Easy – along site boundary |
| D2 | Dust | Quarterly | 293497E 215690N | Easy – along site boundary |
| D3 | Dust | Quarterly | 293970E 216301N | Easy – along site boundary |

Table F2.1 Dust Monitoring and Sampling Points

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ATTACHMENT F3 – SURFACE WATER MONITORING AND SAMPLING

Details of the surface water monitoring and sampling to be undertaken as part of the proposed restoration scheme are provided in Section 2.6.10 of the Environmental Impact Statement.

Proposed monitoring locations at existing surface water bodies are shown in Figure 6.5 of the Environmental Impact Statement. It should be noted that technically all existing surface water bodies within the application site are deemed to be groundwater features.

| Monitoring Reference No. | Parameter | Monitoring Frequency | Location (Grid Co-ordinates) | Accessibility of Sampling Points |
|--------------------------|-----------|----------------------|------------------------------|----------------------------------|
| SW1 | Note 1 | Quarterly | 293660E 216085N | Easy : edge of existing pond |
| SW2 | Note 1 | Quarterly | 293760E 216345N | Easy : edge of existing pond |

Note 1 : Surface water test parameters to include Temperature, pH, Dissolved Oxygen, Conductivity, Sodium, Potassium, Chloride, Ammoniacal Nitrogen, Sulphate, Dissolved Metals (Ca, Cu, Fe, Pb, Mg, Mn, Ni and Zn) and Total Alkalinity

Table F3.1 Surface Water Monitoring Points

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ATTACHMENT F5 – GROUNDWATER MONITORING AND SAMPLING

Details of the groundwater monitoring and sampling to be undertaken as part of the proposed remediation scheme are provided in Section 2.7.4 of the Environmental Impact Statement.

Proposed monitoring locations at existing groundwater wells are shown in Figure 6.5 of the Environmental Impact Statement.

| Monitoring Reference No. | Parameter | Monitoring Frequency | Location (Grid Co-ordinates) | Accessibility of Sampling Points |
|--------------------------|-----------|----------------------|------------------------------|----------------------------------|
| PBH1a | Note 1 | Quarterly | 293316E 216200N | Easy : close to site boundary |
| PBH2a | Note 1 | Quarterly | 293765E 215965N | Easy : close to site boundary |
| PBH3 | Note 1 | Quarterly | 293531E 216360N | Easy : close to site boundary |
| WELL1 | Note 1 | Quarterly | 293300E 215917N | Easy : close to site boundary |
| WELL2 | Note 1 | Quarterly | 293919E 216364N | Easy : close to site boundary |

Note 1 : Groundwater test parameters to include Temperature, pH, Dissolved Oxygen, Conductivity, Sodium, Potassium, Chloride, Ammoniacal Nitrogen, Sulphate, Dissolved Metals (Ca, Cu, Fe, Pb, Mg, Mn, Ni and Zn) and Total Alkalinity

Table F5.1 Groundwater Monitoring Points

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ATTACHMENT F6 – NOISE MONITORING

Details of the noise monitoring to be undertaken as part of the proposed remediation scheme are provided in Section 2.7.8 of the Environmental Impact Statement.

Proposed noise monitoring locations are shown in Figure 8.1 of the Environmental Impact Statement.

| Monitoring Reference No. | Parameter | Monitoring Frequency | Location (Grid Co-ordinates) | Accessibility of Sampling Points |
|--------------------------|-------------------|----------------------|------------------------------|----------------------------------|
| N1 | Sound Level (dBA) | Quarterly | 293241E 216142N | Easy : close to site boundary |
| N2 | Sound Level (dBA) | Quarterly | 293499E 215689N | Easy : close to site boundary |
| N3 | Sound Level (dBA) | Quarterly | 293676E 216298N | Easy : close to site boundary |

Table F6.1 Noise Monitoring Points

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ATTACHMENT F7 – METEOROLOGICAL MONITORING

At the present time, no meteorological monitoring is undertaken at the application site. It is understood that temperature, rainfall, sunshine, wind speed and direction are recorded at a nearby synoptic weather station in Naas, approximately 5km north-west of the application site. Other climatic data is recorded at the weather station at Casement Aerodrome, approximately 15km north-northeast of the application site.

It is currently envisaged that representative meteorological data will be acquired from weather stations at Naas and Casement Aerodrome, as and if required.

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