**EPL No.** 20544  
**Project** Sydney Metro Northwest OTS Works  

## DETAILS

<table>
<thead>
<tr>
<th>Location:</th>
<th>Month:</th>
<th>Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bella Vista Station to Kellyville Station</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

## NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.6 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO NOISE MONITORING REQUIRED FOR MAY 2018

## WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
- Condition L2 - Concentration Limits
- Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO WATER MONITORING REQUIRED FOR MAY 2018

## VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
- Condition M6.5 - Complaints
- Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO VIBRATION MONITORING REQUIRED FOR MAY 2018

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq))</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Corrected Date</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO CORRECTION LOGS REQUIRED FOR MAY 2018

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq))</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO EXCEEDANCES FOR MAY 2018

Submit
### EPL Monitoring Data

**EPL No.** 20544  
**Project** Sydney Metro Northwest OTS Works  

---

**DETAILS**

<table>
<thead>
<tr>
<th>Location:</th>
<th>Month:</th>
<th>Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bella Vista Station</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

---

### NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.6 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments:

NO NOISE MONITORING REQUIRED IN MAY 2018

---

### WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
- Condition L2 - Concentration Limits
- Condition M2 - Requirement to monitor concentration of pollutants discharged

**Condition M2 - Requirement to monitor concentration of pollutants discharged**

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial water tank</td>
<td>1</td>
<td>Yes</td>
<td>pH</td>
<td>pH</td>
<td>8.5</td>
<td>8.5</td>
<td>6.5</td>
<td>8.5</td>
</tr>
<tr>
<td>Industrial water tank</td>
<td>1</td>
<td>Yes</td>
<td>TSS</td>
<td>NTU</td>
<td>10</td>
<td>10</td>
<td>0</td>
<td>50</td>
</tr>
</tbody>
</table>

Comments:

Fire Industrial water tank: Discharged on the 04/05/18. As tank will be removed of site.

---

### VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
- Condition M6.5 - Complaints
- Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

---

Comments:


### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**NO VIBRATION MONITORING REQUIRED IN MAY 2018**

---

**CORRECTION LOG**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**NO CORRECTION LOGS REQUIRED IN MAY 2018**

---

**EXCEEDANCES**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**NO EXCEEDANCES IN MAY 2018**

---

Submit
EPL No. 20544  
EPL Monitoring Data

Project: Sydney Metro Northwest OTS Works


**DETAILS**

Location: Castle Hill Station

Month: May  
Year: 2018

**NOISE MONITORING DATA**

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB01</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>73.5</td>
<td>73.5</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>CB02</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>57</td>
<td>57</td>
<td>79</td>
<td></td>
</tr>
</tbody>
</table>

Comments

CB01: Standard Hours: 4-6 Mercer street, castle hill. Works occurring: Bulk Earthworks + Pavement Construction, Footings, foundations and platforms, Columns, beams, concrete slabs / walls. Construction noise is audible when traffic isn’t passing on old northern rd. 63db - 66db Extraneous noise is the dominant noise source. Cars consistently passing along old northern rd 68/ 82db

CB02: Standard Hours: 9 Garthowen Crescent , castle hill. Works occurring: Bulk Earthworks + Pavement Construction, Footings, foundations and platforms, Columns, beams, concrete slabs / walls. Construction noise is audible when there is no traffic passing on old northern rd. Extraneous noise is the dominant noise source. When the arm of the crane was moving measured at 54db -56db. Traffic along old northern rd is the dominate noise source 56- 65 db. Residents talking in near by property 55db- 60db

**WATER MONITORING DATA**

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

Comments

NO WATER QUALITY MONITORING REQUIRED FOR MAY 2018

**VIBRATION MONITORING DATA**

<table>
<thead>
<tr>
<th>CB01</th>
<th>1</th>
<th>73.5</th>
<th>73.5</th>
<th>80</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB02</td>
<td>1</td>
<td>57</td>
<td>57</td>
<td>79</td>
</tr>
</tbody>
</table>

Comments

CB01: Standard Hours: 4-6 Mercer street, castle hill. Works occurring: Bulk Earthworks + Pavement Construction, Footings, foundations and platforms, Columns, beams, concrete slabs / walls. Construction noise is audible when traffic isn’t passing on old northern rd. 63db - 66db Extraneous noise is the dominant noise source. Cars consistently passing along old northern rd 68/ 82db

CB02: Standard Hours: 9 Garthowen Crescent , castle hill. Works occurring: Bulk Earthworks + Pavement Construction, Footings, foundations and platforms, Columns, beams, concrete slabs / walls. Construction noise is audible when there is no traffic passing on old northern rd. Extraneous noise is the dominant noise source. When the arm of the crane was moving measured at 54db -56db. Traffic along old northern rd is the dominate noise source 56- 65 db. Residents talking in near by property 55db- 60db
Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item
Comments
NO VIBRATION MONITORING REQUIRED FOR MAY 2018

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item
Comments
NO AIR MONITORING REQUIRED FOR MAY 2018

CORRECTION LOG

Sample Date and Time  Monitoring location  Type of monitoring (noise, water etc)  Event based monitoring (Y/N)  Parameter Measured (eg TSS, LAEq)  Unit (eg Mg/L)  Original result  Corrected Result  Date Corrected  Reasoning

Insert item
Comments
NO CORRECTION LOGS REQUIRED FOR MAY 2018

EXCEEDANCES

Sample Date and Time  Monitoring location  Type of monitoring (noise, water etc)  Event based monitoring (Y/N)  Parameter Measured (eg TSS, LAEq)  Unit (eg Mg/L)  Result  Allowable Limit  Commentary

Insert item
Comments
NO EXCEEDANCES FOR MAY 2018

Submit
EPL No. 20544            EPL Monitoring Data
Project Sydney Metro Northwest OTS Works

EPL Weblink: 

DETAILS

Location: Cheltenham Service Facility
Month: May Year: 2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>Goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN01</td>
<td>2</td>
<td>Yes</td>
<td>v</td>
<td>Leq</td>
<td>59</td>
<td>59</td>
<td>74</td>
</tr>
<tr>
<td>CN02</td>
<td>3</td>
<td>Yes</td>
<td>v</td>
<td>Leq</td>
<td>58</td>
<td>73.4</td>
<td>75</td>
</tr>
<tr>
<td>CN03</td>
<td>1</td>
<td>Yes</td>
<td>v</td>
<td>Leq</td>
<td>61.4</td>
<td>61.4</td>
<td>74</td>
</tr>
</tbody>
</table>

Insert item

Comments
CN01: Standard Hours: 60 Castle Howard Rd Cheltenham. Works occurring, Mobile crane operating, hydrema transferring materials from CCF to CSF. Excavator loading hydrema at CCF. Construction noise dominate, Jackhammering dominant. Material being transferred from CCF to CSF.
CN02: Standard Hours: 1 Castle Howard Rd Cheltenham. Works occurring: Excavator loading hydrema to CSF. Construction noise dominate.
CN02: Standard Hours: 48 Castle Howard Rd Cheltenham. Works occurring: 20t excavator with a 2t jackhammer. Construction noise is the dominate noise source, extraneous noise is present.

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

Insert item

Comments
NO WATER QUALITY MONITORING REQUIRED FOR MAY 2018

**VIBRATION MONITORING DATA**

Specific EPL licence monitoring conditions for vibration monitoring:
- Condition M6.5 - Complaints
- Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 Castle Howard Rd</td>
<td>1</td>
<td>Yes</td>
<td>Peak Part&lt;br&gt;☑️</td>
<td>mm/s</td>
<td>0.62</td>
<td>1.17</td>
<td>5.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

Location: 48 Castle Howard Road, Cheltenham. Construction works, jackhammering sandstone embankment.
Plant/Equipment: 20tonne excavator with a 2t jackhammer (silenced)
Vibration monitoring equipment: Vibra Profound logger
Location 1: 48 Castle Howard Road
Distance: Approximately 20m away from the jackhammering location
Results: Barely noticeable, within allowable limits.

**AIR MONITORING DATA**

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

**Comments**

NO AIR MONITORING REQUIRED FOR MAY 2018

**CORRECTION LOG**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
</table>

**Comments**

NO CORRECTION LOGS REQUIRED FOR MAY 2018

**EXCEEDANCES**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
</table>

**Comments**

<table>
<thead>
<tr>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO EXCEEDANCES FOR MAY 2018</td>
</tr>
</tbody>
</table>

Submit
EPL No. 20544
EPL Monitoring Data
Project Sydney Metro Northwest OTS Works

DETAILS
Location: Cherrybrook Station
Month: May
Year: 2018

NOISE MONITORING DATA
Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments
NO NOISE MONITORING REQUIRED FOR MAY 2018

WATER MONITORING DATA
Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measureme nt (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Franklin rd</td>
<td>1</td>
<td>Yes</td>
<td>pH</td>
<td>pH</td>
<td>potable water</td>
<td>potable water</td>
<td>6.5</td>
<td>8.5</td>
</tr>
<tr>
<td>Franklin rd</td>
<td>1</td>
<td>Yes</td>
<td>TSS</td>
<td>NTU</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>50</td>
</tr>
</tbody>
</table>

Comments
Franklin rd: Ozone water main discharge on Franklin Rd. Discharge to be directed to closest stormwater pit

VIBRATION MONITORING DATA
Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

Comments

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

<table>
<thead>
<tr>
<th>Event based monitoring (Y/N)</th>
<th>Percentile Limit (eg 90th)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NO VIBRATION MONITORING REQUIRED FOR MAY 2018

NO AIR MONITORING REQUIRED FOR MAY 2018

NO CORRECTION LOGS FOR MAY 2018

NO EXCEEDANCES FOR MAY 2018
**EPL No.** 20544  
**Project** Sydney Metro Northwest OTS Works

**EPL Weblink:**  

## DETAILS

<table>
<thead>
<tr>
<th>Location:</th>
<th>Month:</th>
<th>Year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cudgegong Road Station to Rapid Transit Rail Fac</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

## NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.6 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

### Monitoring location

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO NOISE MONITORING FOR MAY 2018

## WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
- Condition L2 - Concentration Limits
- Condition M2 - Requirement to monitor concentration of pollutants discharged

### Monitoring location

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO WATER QUALITY MONITORING FOR MAY 2018

## VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
- Condition M6.5 - Complaints
- Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**AIR MONITORING DATA**

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CORRECTION LOG**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EXCEEDANCES**

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- NO VIBRATION MONITORING FOR MAY 2018
- NO AIR MONITORING FOR MAY 2018
- NO CORRECTION LOGS FOR MAY 2018
- NO EXCEEDANCES FOR MAY 2018

[Submit]
EPL No. 20544  
EPL Monitoring Data
Project: Sydney Metro Northwest OTS Works

DETAILS

Location: Cudgegong Road Station  
Month: May  
Year: 2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR03</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>49.9</td>
<td>49.9</td>
<td>75</td>
</tr>
<tr>
<td>CR04</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>69</td>
<td>69</td>
<td>75</td>
</tr>
<tr>
<td>CR05</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>68.4</td>
<td>68.4</td>
<td>75</td>
</tr>
<tr>
<td>CR06</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>56.2</td>
<td>56.2</td>
<td>75</td>
</tr>
</tbody>
</table>

Comments

CR03: Standard Hours, 59 cudgegong rd, rouse hill (unable to monitor at designated receiver as no residents)
Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring.
Construction noise is audible. Reversing beeper 53dB-54dB, hand 46dB-52dB Radio can be heard 46dB Works occurring on cudgegong rd upgrade. Extraneous noise is the dominant noise source. Construction of residential estate.

CR04: Standard Hours, 87 schofields rd, rouse hill. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring
Construction noise is not the dominant noise source. From construction can hear reversing beepers and banging intermittently (50db) when Schofields rd is quiet Traffic along Schofields rd is the dominant noise. Cars 70/79db

CR05: Standard Hours, 59 loma dra cr, The Ponds. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring
Construction noise is not the dominant noise source. From construction can hear reversing beepers and banging intermittently (50db) when Schofields rd is quiet Traffic along Schofields rd is the dominant noise. Cars 70/79db

Construction noise is not the dominant noise source. From construction can hear reversing beepers and banging intermittently (50db) when Schofields rd is quiet Traffic along Schofields rd is the dominant noise. Cars 70/79db

Windy conditions

### WATER MONITORING DATA
Specific EPL licence monitoring conditions for water monitoring:

**Condition L2 - Concentration Limits**

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item

Comments

NO WATER QUALITY MONITORING FOR MAY 2018

### VIBRATION MONITORING DATA
Specific EPL licence monitoring conditions for vibration monitoring:

**Condition M6.5 - Complaints**

**Condition M7.1 - Other monitoring conditions**

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item

Comments

NO VIBRATION MONITORING FOR MAY 2018

### AIR MONITORING DATA
Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item

Comments

NO AIR MONITORING FOR MAY 2018

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item

Comments

NO CORRECTION LOGS FOR MAY 2018

### EXCEEDANCES
<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring Location Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>(eg Mg/L)</th>
<th>Allowable Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO EXCEEDANCES FOR MAY 2018

Submit
**NOISE MONITORING DATA**

Specific EPL licence monitoring conditions for noise monitoring:
- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.6 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP01</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Leq</td>
<td>67.3</td>
<td>67.3</td>
<td>75</td>
</tr>
<tr>
<td>EP03</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Leq</td>
<td>56.7</td>
<td>56.7</td>
<td>75</td>
</tr>
<tr>
<td>EP04</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Leq</td>
<td>55.5</td>
<td>55.5</td>
<td>75</td>
</tr>
<tr>
<td>EP05</td>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Leq</td>
<td>56.7</td>
<td>56.7</td>
<td>75</td>
</tr>
</tbody>
</table>

**WATER MONITORING DATA**

Specific EPL licence monitoring conditions for water monitoring:
- Condition L2 - Concentration Limits
- Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

**Comments**

EP01: Standard Hours: 9 Edensor St, Epping. Works occurring: 1 excavator running. Construction work not audible. Extraneous noise is the dominate noise source, Some traffic on Ray Rd and Beecroft Rd. Traffic noise dominant - cars passing by 63 dB.

EP03: Standard Hours: 15 Ray Rd Epping. Works occurring: HV team working on substation building. 1 x 12t excavator operating. Construction work not audible. Extraneous noise is the dominate noise source, Some traffic on Ray Rd and Beecroft Rd. Traffic noise dominant - cars passing by 64dB.

EP04: Standard Hours: 6 Ray Rd Epping. Works occurring: HV team working at the substation building. 1 12t excavator running. 1 x 5t excavator running handling materials. Construction noise is the dominate noise source 55.5dB. Extraneous noise present, Some traffic on Ray Rd and Beecroft Rd.

### WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

#### Condition L2 - Concentration Limits

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO WATER QUALITY MONITORING REQUIRED IN MAY 2018

---

### VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

#### Condition M6.5 - Complaints

#### Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO VIBRATION MONITORING REQUIRED IN MAY 2018

---

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO AIR MONITORING REQUIRED IN MAY 2018

---

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq))</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO CORRECTION LOGS REQUIRED IN MAY 2018

---

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Unit</th>
<th>Result</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

NO WATER QUALITY MONITORING REQUIRED IN MAY 2018

NO VIBRATION MONITORING REQUIRED IN MAY 2018

NO AIR MONITORING REQUIRED IN MAY 2018

NO CORRECTION LOGS REQUIRED IN MAY 2018

---
<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring Type of location (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>(eg Mg/L)</th>
<th>Allowable Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO EXCEEDANCES REQUIRED IN MAY 2018

Submit
EPL No. 20544  
EPL Monitoring Data

Project: Sydney Metro Northwest OTS Works

EPL Weblink:  

DETAILS

Location: Kellyville Station to Rouse Hill Station  
Month: May  
Year: 2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO NOISE MONITORING REQUIRED FOR MAY 2018

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO WATER MONITORING REQUIRED FOR MAY 2018

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Number of times monitored during the month | Event based monitoring (Y/N) | Parameter Measured | Unit of measurement | Min Value | Max Value | Allowable Max | Percentile Limit (eg 90th) | Percentile reporting period
---|---|---|---|---|---|---|---|---
A | 1 | Yes | Peak Particles | mm/s | 3.26 | 3.51 | 5.0 |  |
B | 1 | Yes | Peak Particles | mm/s | 1.29 | 4.02 | 5.0 |  |

Comments:

A: Location: 55 Lycett Avenue, Kellyville. Works occurring: Shard path construction/ground compaction: Plant/equipment: Padfoot Roller, Vibration Monitoring Equipment, Distance: approximately 8m from padfoot on low vibration mode
Results: noticeable. Within safe limit vibration levels.

B: Location: 36 Lycett Avenue, Kellyville. Works occurring: Shard path construction/ground compaction: Plant/equipment: Padfoot Roller, Vibration Monitoring Equipment, Distance: approximately 12m from padfoot on low vibration mode
Results: barely noticeable, within safe limit vibration levels.

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

CORRECTION LOG

EXCEEDANCES

Comments:

NO AIR MONITORING REQUIED FOR MAY 2018

NO CORRECTION LOGS REQUIED FOR MAY 2018

NO EXCEEDANCES FOR MAY 2018
### EPL Monitoring Data

**EPL No.** 20544  
**Project** Sydney Metro Northwest OTS Works  
**EPL Weblink:**  

### DETAILS

<table>
<thead>
<tr>
<th>Location</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kellyville Station</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

### NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.6 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min) min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KVE02</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq 46.6</td>
<td>46.6</td>
<td>67</td>
</tr>
<tr>
<td>KVE04</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq 52</td>
<td>52</td>
<td>69</td>
</tr>
<tr>
<td>KVE05</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq 61.3</td>
<td>61.3</td>
<td>68</td>
</tr>
</tbody>
</table>

**Comments**

**KVE02:** OOHW: 1 Newbury Avenue, Kellyville. Works occurring: Water main installation below SRD roundabout - 20T and 14T excavator installing pipes and backfilling work areas, TC utes and lights set-up, tipper taking material within site for stockpiling. Construction noise is audible during breaks in the traffic along Windsor Rd 52/55 dB. Background noise is the dominate noise source. Background levels no traffic sound or construction noise but pedestrian crossing lights are beeping 48 Traffic along Windsor Road motorbikes and trucks - highly intrusive 65-77

**KVE04:** OOHW: 23 Landy Place, Kellyville. Works occurring: Water main installation below SRD roundabout - 20T and 14T excavator installing pipes and backfilling work areas, TC utes and lights set-up, tipper taking material within site for stockpiling. Construction noise is audible, Continuous humming of towers, utes and plant used with intermittent bangs from excavator works Excavator operating and frogs calling 51 - 57, Excavator bucket banging 63. Extraneous noise audible, Background noise of frogs croaking and calling 48-50, Hum of traffic on Windsor road audible in background

**KVE05:** OOHW: 26 Bridget Place, Kellyville. Works occurring: Water main installation below SRD roundabout - 20T and 14T excavator installing pipes and backfilling work areas, TC utes and lights set-up, tipper taking material within site for stockpiling. Construction noise is audible, During duration of monitoring, noise levels are generally around 44-46 including sound from construction works. Excavator bucket banging 56 - 65, Excavator operating 46-50
### WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
**Condition L2 - Concentration Limits**
**Condition M2 - Requirement to monitor concentration of pollutants discharged**

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>KLVD</td>
<td>3</td>
<td>Yes</td>
<td>pH</td>
<td>pH</td>
<td>7.1</td>
<td>8.2</td>
<td>6.5</td>
<td>8.5</td>
</tr>
</tbody>
</table>

KLVD: Sediment basin discharge occurred on the following dates: 04/05/18, 10/05/18, 24/05/18.

### VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
**Condition M6.5 - Complaints**
**Condition M7.1 - Other monitoring conditions**

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

Comments
NO VIBRATION MONITORING REQUIRED FOR MAY 2018

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

Comments
NO AIR MONITORING REQUIRED FOR MAY 2018

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
</table>

Comments
NO CORRECTION LOGS REQUIRED FOR MAY 2018

### EXCEEDANCES

KLVD
3
7.1
8.2
0
50

KLVD
3
15
40
0
50

KLVD: Sediment basin discharge occurred on the following dates: 04/05/18, 10/05/18, 24/05/18.
<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item

Comments

NO EXCEEDANCES FOR MAY 2018

Submit
## NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

- **Condition L3.2** - Noise limits Condition
- **Condition L4.2** - Exemptions to standard working hours
- **Condition L4.4** - Works Approved Outside of Standard Construction Hours – Weekends
- **Condition L4.5** - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- **Condition L4.6** - Additional works agreed outside of standard construction hours
- **Condition M6.5** - Complaints
- **Condition M7.1** - Other Monitoring Conditions

### Monitoring details

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg.</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
</table>

Select...  
Select...  
Select...  

Comments

NO NOISE MONITORING REQUIRED IN MAY 2018

## WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

- **Condition L2** - Concentration Limits
- **Condition M2** - Requirement to monitor concentration of pollutants discharged

### Monitoring details

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

Select...  
Select...  
Select...  

Comments

NO WATER MONITORING REQUIRED IN MAY 2018

## VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

- **Condition M6.5** - Complaints
- **Condition M7.1** - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq))</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq))</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NO VIBRATION MONITORING REQUIRED IN MAY 2018
NO AIR MONITORING REQUIRED IN MAY 2018
NO CORRECTION LOGS REQUIRED IN MAY 2018
NO EXCEEDANCES IN MAY 2018
EPL No. 20544

EPL Monitoring Data

Project: Sydney Metro Northwest OTS Works

EPL Weblink:

DETAILS

<table>
<thead>
<tr>
<th>Location</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rapid Transit Rail Facility</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

- Condition L3.2 - Noise limits Condition
- Condition L4.2 - Exemptions to standard working hours
- Condition L4.3 - Works Approved Outside of Standard Construction Hours – Weekends
- Condition L4.4 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- Condition L4.5 - Additional works agreed outside of standard construction hours
- Condition M6.5 - Complaints
- Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 01</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>61.9</td>
<td>61.9</td>
<td>75</td>
</tr>
<tr>
<td>RT 02</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>55.8</td>
<td>55.8</td>
<td>75</td>
</tr>
<tr>
<td>RT 03</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>63.7</td>
<td>63.7</td>
<td>75</td>
</tr>
<tr>
<td>RT 04</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>61.2</td>
<td>61.2</td>
<td>75</td>
</tr>
<tr>
<td>RT 05</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>62.1</td>
<td>62.1</td>
<td>75</td>
</tr>
<tr>
<td>RT 06</td>
<td>1</td>
<td>Attended</td>
<td>Yes (Y/N)</td>
<td>Leq</td>
<td>51.7</td>
<td>51.7</td>
<td>75</td>
</tr>
</tbody>
</table>

Comments

RT 01: Standard Hours, 88 Amaroct, The Ponds. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring. Construction noise is inaudible. Traffic along Schofield rd is the dominant noise source, Cars passing on Schofield rd 60/71db, Truck passing 78db, When quiet 45db.

RT 02: Standard hours, 62 Gordon rd, Schofields. Works occurring, building construction, rail infrastructure. Construction noise audible, can intermittently hear the banging of posts and reversing beepers 54db. Construction activities also occurring at 57 Gordon rd, Schofields. Windy conditions. (60db) Car dove past 68db Generator can be heard powering traffic signal (55db).

RT 03: Standard Hours, 67 tallawong rd, rouse hill. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring. Construction noise is inaudible, Extraneous noise is the dominate noise source. Truck and dog passing 87db Cars passing 70/75db, when Quiet 40db, birds chirping 51db

Other construction noise ( housing developments )can be heard further down tallawong rd away from RTRF.

RT 04: Standard Hours, 42 tallawong rd, rouse Hill. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring. Construction noise is inaudible. Extraneous noise is the dominant noise source.

Cars passing on tallawong rd 68/75db, Trucks passing on tallawong rd 78/82db, When quiet 40db, Aeroplane overhead 62db.

RT 05: Standard Hours, 5 ridgeline drive, The Ponds. Works occurring: Building construction, rail infrastructure – overhead wiring structures and wiring. Construction noise is inaudible. Cars passing by on ridgeline rd and Schofield rd are the dominant noise source. Cars on ridgeline rd 67/77db, Windy conditions 64db.


Traffic along Schofields rd and residential noise it the dominant noise source. Kids banging on fence 56db, Car driving past 70db.
WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments
No Water quality monitoring required for May 2018

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments
No vibration monitoring required for May 2018

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments
No air monitoring required for May 2018

CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAeq)</th>
<th>Unit (mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Insert item
Comments
No corrections logs required for May 2018

EXCEEDANCES

<table>
<thead>
<tr>
<th>Unit</th>
<th>Result</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments
No corrections logs required for May 2018

EXCEEDANCES

<table>
<thead>
<tr>
<th>Unit</th>
<th>Result</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample Date and Time</td>
<td>Monitoring Location Type of monitoring (noise, water etc)</td>
<td>Event based monitoring (Y/N)</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------------------</td>
<td>-------------------------------</td>
</tr>
</tbody>
</table>

*Comments*

No exceedances for May 2018
EPL No. 20544  EPL Monitoring Data
Project  Sydney Metro Northwest OTS Works

DETAILS

Location:  Rouse Hill Station to Cudgegong Road Station
Month:  May
Year:  2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Laq (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUD 05</td>
<td>1</td>
<td>Yes</td>
<td></td>
<td>Leq</td>
<td>64.7</td>
<td>64.7</td>
<td></td>
</tr>
<tr>
<td>CUD 06</td>
<td>1</td>
<td>Yes</td>
<td></td>
<td>Leq</td>
<td>53.3</td>
<td>53.3</td>
<td></td>
</tr>
</tbody>
</table>

Comments
CUD06: Standard Hours: 25 Arrowroot Street, The Ponds. Construction noise inaudible. Extraneous noise is the dominate noise source. Traffic on Schofields Road 48-55 Local street traffic 75

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

Comments
NO WATER MONITORING REQUIRED FOR MAY 2018

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions
### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:
N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO AIR MONITORING REQUIRED FOR MAY 2018

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Corrected Date</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO CORRECTION LOGS REQUIRED FOR MAY 2018

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Comments**

NO EXCEEDANCES FOR MAY 2018

Submit
## EPL Monitoring Data

**EPL No.** 20544  
**Project** Sydney Metro Northwest OTS Works  
**EPL Weblink:**  

### DETAILS

<table>
<thead>
<tr>
<th>Location</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rouse Hill Station</td>
<td>May</td>
<td>2018</td>
</tr>
</tbody>
</table>

### NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
- **Condition L3.2** - Noise limits Condition
- **Condition L4.2** - Exemptions to standard working hours
- **Condition L4.4** - Works Approved Outside of Standard Construction Hours – Weekends
- **Condition L4.5** - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
- **Condition L4.6** - Additional works agreed outside of standard construction hours
- **Condition M6.5** - Complaints
- **Condition M7.1** - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg.</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUD05</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>65.7</td>
<td>65.7</td>
<td>73</td>
</tr>
<tr>
<td>CUD06</td>
<td>1</td>
<td>Attended</td>
<td>Yes</td>
<td>Leq</td>
<td>50.5</td>
<td>50.5</td>
<td>73</td>
</tr>
</tbody>
</table>

**Comments**

CUD05: Standard hours: 74 Petal Parkway, Rouse Hill. Construction work inaudible. Extraneous noise is the dominate noise source. Traffic on Windsor Road 55-70, Traffic lull 50-53, Truck on Windsor 82.

CUD06: Standard hours: 44 Petal Parkway, Rouse Hill. Construction work inaudible. Extraneous noise is the dominate noise source. People walking dogs - 45, Cars driving past 69, Birds calling 38-42

### WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
- **Condition L2** - Concentration Limits
- **Condition M2** - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
</table>

**Comments**

NO WATER QUALITY MONITORING FOR MAY 2018

### VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
### Condition M6.5 - Complaints

### Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Insert item

**Comments**

NO VIBRATION MONITORING FOR MAY 2018

### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Insert item

**Comments**

NO AIR MONITORING FOR MAY 2018

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Insert item

**Comments**

NO CORRECTION LOGS FOR MAY 2018

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Insert item

**Comments**

NO EXCEEDANCES FOR MAY 2018

Submit
EPL Monitoring Data

Project: Sydney Metro Northwest OTS Works

Location: Showground Station

Month: May
Year: 2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
Condition L3.2 - Noise limits Condition
Condition L4.2 - Exemptions to standard working hours
Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends
Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights
Condition L4.6 - Additional works agreed outside of standard construction hours
Condition M6.5 - Complaints
Condition M7.1 - Other Monitoring Conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Attended or continuous monitoring</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter eg. Lat (15min)</th>
<th>min value dB (A) for month</th>
<th>max value dB (A) for month</th>
<th>goals / targets dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments

NO NOISE MONITORING REQUIRED IN MAY 2018

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:
Condition L2 - Concentration Limits
Condition M2 - Requirement to monitor concentration of pollutants discharged

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter measured</th>
<th>Units of measurement (mg/L, NTU, pH)</th>
<th>Minimum value for month</th>
<th>Maximum value for month</th>
<th>Allowable minimum limit</th>
<th>Allowable maximum limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SGB</td>
<td>2</td>
<td>Yes</td>
<td>pH</td>
<td>pH</td>
<td>7.5</td>
<td>8.4</td>
<td>6.5</td>
<td>8.5</td>
</tr>
<tr>
<td>SGB</td>
<td>2</td>
<td>Yes</td>
<td>TSS</td>
<td>NTU</td>
<td>29</td>
<td>40.5</td>
<td>0</td>
<td>50</td>
</tr>
</tbody>
</table>

Comments

SGB: Sediment basin discharged on the following dates: 25/05/18, 28/05/2018

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:
Condition M6.5 - Complaints
Condition M7.1 - Other monitoring conditions

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile reporting period</th>
</tr>
</thead>
</table>
### AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

<table>
<thead>
<tr>
<th>Monitoring location</th>
<th>Number of times monitored during the month</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured</th>
<th>Unit of measurement</th>
<th>Min Value</th>
<th>Max Value</th>
<th>Allowable Max</th>
<th>Percentile Limit (eg 90th)</th>
<th>Percentile reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Select...</td>
<td>Select...</td>
<td>Select...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CORRECTION LOG

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Original result</th>
<th>Corrected Result</th>
<th>Date Corrected</th>
<th>Reasoning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### EXCEEDANCES

<table>
<thead>
<tr>
<th>Sample Date and Time</th>
<th>Monitoring location</th>
<th>Type of monitoring (noise, water etc)</th>
<th>Event based monitoring (Y/N)</th>
<th>Parameter Measured (eg TSS, LAEq)</th>
<th>Unit (eg Mg/L)</th>
<th>Result</th>
<th>Allowable Limit</th>
<th>Commentary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Submit