

| | | | |
|--------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

DETAILS

| | | |
|---------------------|--------|-------|
| Location: | Month: | Year: |
| Bella Vista Station | April | 2017 |

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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|---------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| BLV L1 | 1 | Attended | Yes | Leq | 71.4 | 71.4 | 75 |
| BLV L2 OOH | 2 | Attended | Yes | Leq | 48.8 | 53.1 | 65 |
| BLV L2 | 1 | Attended | Yes | Leq | 51.4 | 51.4 | 75 |
| BLV L3 | 1 | Attended | Yes | Leq | 73 | 73 | 75 |
| BLV L4 OOH | 2 | Attended | Yes | Leq | 51.7 | 56.9 | 65 |
| BLV L5 OOH | 2 | Attended | Yes | Leq | 43.2 | 44.9 | 65 |
| BLV L6 OOH | 1 | Attended | Yes | Leq | 54.7 | 54.7 | 65 |

Comments

BLV L1: 10 Swansea Circuit, Glenwood.
 Standard Hours. Works occurring included - Blockwork in the station box, service installation in the station box, escalator and lift shaft steel installation and earthworks. Site noise within noise goal lifting alarm on the tower crane can be heard over respite in road traffic. Road traffic is the dominant noise source.

BLV L2: 20 Waterstone Crescent, Glenwood.
 (1) OOHW (Evening monitoring) Works occurring included - One lighting tower, one 30tonne excavator and one moxy dump truck occasionally used to excavate next to Sydney Water main. Background noise from wildlife in creek can be heard. Noise exceedance caused by site during the Sydney Water OOHW - noise caused by the drone sound from the excavator engine when operating and the bucket when pulling material out and loading it into the bin of the moxy. Excavator tracking can be heard to adjust its position next to the excavation and moxy engine starting up. These works were mitigated through specific community notifications and door knocking.

(2) OOHW (Evening monitoring) Works included - 30t Excavator tracking to collect 3 concrete pipes then wait for Sydney water to turn off water main. 1 lighting tower. 1 moxy dump truck being moved into position. Background noise from wildlife in creek can be heard, nearby residents talking and birds rusting or possums in the nearby trees. Noise exceedance caused by site during the Sydney Water OOHW - noise caused by excavator tracking the machine up and down existing asphalt of Celebration Drive. Moxy dump truck reversing up to position. Can hear the engine and the non-tonal alarm. Stretching tyres from a car on Celebration Drive.

(1) Standard Hours. Works occurring included - 16 Truck and Dogs running fill into the site, FRP works in the station box, T&T concrete pour on Eastern side of Services building. Retaining wall construction on Celebration Drive. Cranes being used to lift materials in and out of the station box. Site and background noise level within goal range. Plant non tonal alarm and excavator bucket can be heard. Grader can be heard cutting a drain into the ramp. Dump truck can be heard moving material. Hammering (hand held tool), retaining wall construction. Lifting alarm, and excavator tracking down the ramp and slewing.

BLV L3: 19 Vanessa Court, Glenwood.
 Standard Hours. Works occurring included - 16 Truck and Dogs running fill into the site, FRP works in the station box, T&T concrete pour on Eastern side of Services building. Dominant noise source was by the traffic on Old Windsor Road including the T Way. Site noise was inaudible.

BLV L4: 97 Brighton Drive, Bella Vista.
 (1) OOHW (Evening monitoring). Works occurring include - One lighting tower, one 30t excavator and one moxy dump truck working next to Sydney Water main. Site noise is within noise range, excavator operating to remove material from the excavation and shovelling in trench/excavation. Background noise dominant including traffic and wildlife.

(2) OOHW (Evening monitoring). Works occurring included - One lighting tower. All other equipment turned off waiting for Sydney Water to turn off the water main. Background noise was the dominant noise source including road traffic, water fountain nearby, residents and wildlife. Site noise was inaudible one lighting tower was on, all other equipment was switched off waiting for the water main to be turned off.

BLV L5: 4 Waterstone Crescent, Bella Vista.
 (1) OOHW (Night monitoring). Works occurring included - One lighting tower, one 30tonne excavator and one moxy dump truck for works next to Sydney Water main. Site noise within noise range excavator tracking and loading material into the moxy bin and the non tonal alarm on the moxy can be heard Excavator operating and pulling material out of the ground. Background noise was the dominant noise including residents, wildlife and traffic.

(2) OOHW (Evening monitoring). Works occurring included - One lighting tower. All equipment (excavator and dump truck) parked up waiting for Sydney Water to switch off the water main. Site noise within noise range all equipment was turned off waiting for Sydney Water to turn off the water main. Background noise was the dominant noise source including traffic on celebration and brighton drive, wildlife and residents.

BLV L6: 26 Bridgeview Circuit, Bella Vista.
 OOHW (Night monitoring). Works occurring include - One lighting tower. Water turned off by Sydney Water and 1 30tonne excavator has now started excavating. Background noise was the dominant noise source including water fountain, wildlife, traffic and residents. Site noise within noise range

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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BV-B | 2 | Yes | pH | pH | 7.64 | 7.72 | 6.5 | 8.5 |
| BV-B | 2 | Yes | TSS | mg/L | 17 | 24 | 0 | 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

| Monitoring location | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BV-A | 1 | Yes | pH | pH | 6.54 | 6.54 | 6.5 | 8.5 |
| BV-A | 1 | Yes | TSS | mg/L | 22 | 22 | 0 | 50 |

Comments
 BV-B discharges 04 and 13th April 2017.
 BV-A discharges 05th April 2017

VIBRATION MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No vibration monitoring required at Bella Vista in April 2017.

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No air monitoring required at Bella Vista in April 2017.

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
 No corrections required in April 2017

EXCEEDANCES

| Unit | Result | Commentary |
|------|--------|------------|
| | | |

| Sample Date and Time | Monitoring location | Type of monitoring (noise, water etc) | Event based monitoring (Y/N) | Parameter Measured (eg TSS, LAEq) | (eg Mg/L) | | Allowable Limit |
|------------------------------|----------------------|---------------------------------------|------------------------------|-----------------------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Comments | | | | | | | |
| No exceedances in April 2017 | | | | | | | |
| | | | | | | | |

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|---------------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| DETAILS | | |
|----------------------------------|-----------------|---------------|
| Location: Cherrybrook Station | Month: April | Year: 2017 |

| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|----------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|---|
| Comments No noise monitoring required at Cherrybrook in April 2017. |
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| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|----------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| |
|---|
| Comments No water monitoring required at Cherrybrook in April 2017. |
|---|

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

| Monitoring location | 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 |
|----------------------|--|------------------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| | | Select... | Select... | Select... | | | | | |
|---|--|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required at Cherrybrook in April 2017. | | | | | | | | | |
| AIR MONITORING DATA | | | | | | | | | |
| Specific EPL licence monitoring conditions for air monitoring: N/A | | | | | | | | | |
| Monitoring location | 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 |
| | | Select... | Select... | Select... | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required at Cherrybrook in April 2017. | | | | | | | | | |
| 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 |
| | | | | | | | | | |
| Comments | | | | | | | | | |
| No corrections required in April 2017 | | | | | | | | | |
| 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 | |
| | | | Select... | | | | | | |
| Comments | | | | | | | | | |
| No exceedances in April 2017 | | | | | | | | | |

| | | | |
|---------------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| DETAILS | | |
|--|-----------------|---------------|
| Location: Cheltenham Service Facility | Month: April | Year: 2017 |

| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|----------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| |
|---|
| Comments No noise monitoring required at Cheltenham in April 2017 |
|---|

| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|----------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| |
|---|
| Comments No water monitoring required at Cheltenham in April 2017 |
|---|

| VIBRATION MONITORING DATA | | | | | | | | | | | | | | | | | | | | |
|---|--|--|------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|-----------------------------|----------------------|----------------------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Specific EPL licence monitoring conditions for vibration monitoring: Condition M6.5 - Complaints Condition M7.1 - Other monitoring conditions | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Monitoring location</th> <th style="width:10%;">Number of times monitored during the month</th> <th style="width:10%;">Event based monitoring (Y/N)</th> <th style="width:10%;">Parameter Measured</th> <th style="width:10%;">Unit of measurement</th> <th style="width:10%;">Min Value</th> <th style="width:10%;">Max Value</th> <th style="width:10%;">Allowable Max</th> <th style="width:10%;">Percentile Limit (eg 90th)</th> <th style="width:10%;">Percentile reporting period</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;">Select...</td> <td style="text-align: center;">Select...</td> <td style="text-align: center;">Select...</td> <td style="text-align: center;"><input type="text"/></td> </tr> </tbody> </table> | Monitoring location | 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 | <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> |
| Monitoring location | 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 | | | | | | | | | | | |
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | |

| | | Select... | Select... | Select... | | | | | |
|---|--|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required at Cheltenham in April 2017 | | | | | | | | | |
| AIR MONITORING DATA | | | | | | | | | |
| Specific EPL licence monitoring conditions for air monitoring: N/A | | | | | | | | | |
| Monitoring location | 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 |
| | | Select... | Select... | Select... | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required at Cheltenham in April 2017 | | | | | | | | | |
| 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 |
| | | | | | | | | | |
| Comments | | | | | | | | | |
| No corrections required in April 2017 | | | | | | | | | |
| 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 | |
| | | | | | | | | | |
| Comments | | | | | | | | | |
| No exceedances in April 2017 | | | | | | | | | |

| | | | |
|--------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

DETAILS

| | | |
|---------------------|--------|-------|
| Location: | Month: | Year: |
| Castle Hill Station | April | 2017 |

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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|---------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| CSH L1 | 1 | Attended | Yes | Leq | 56 | 56 | 75 |
| CSH L2 | 1 | Attended | Yes | Leq | 53.9 | 53.9 | 75 |

Comments

CSH L1: 4-6 Mercer Street, Castle Hill.

Standard Hours. Works occurring included - Steel fixing, tower crane construction, pedestrian underpass tunnelling and earthworks. Site noise within noise range.

CSH L2: 9 Garthowen Crescent, Castle Hill.

Standard Hours. Works occurring included - Steel fixing, tower crane construction, pedestrian underpass tunnelling and earthworks. Site noise within noise range.

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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | Select... | Select... | Select... | | | | |

Comments

No water monitoring required at Castle Hill in April 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No vibration monitoring required at Castle Hill in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No air monitoring required at Castle Hill in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
 No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
| | | | Select... | | | | | |

Comments
 No exceedances in April 2017

| | | | |
|--------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| | | |
|------------------------|--------|-------|
| DETAILS | | |
| Location: | Month: | Year: |
| Cudgegong Road Station | April | 2017 |

| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
| | | Select... | Select... | Select... | | | |
| Comments No noise monitoring required at Cudgegong in April 2017 | | | | | | | |

| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
| CUD SB4 | 1 | Yes | pH | pH | 7.97 | 7.97 | 6.5 | 8.5 |
| CUD SB4 | 1 | Yes | TSS | mg/L | 45 | 45 | 0 | 50 |
| Comments CUD SB4 discharges on the 05th April 2017 | | | | | | | | |

| VIBRATION MONITORING DATA | | | | | | | | | |
|---|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| Specific EPL licence monitoring conditions for vibration monitoring: Condition M6.5 - Complaints Condition M7.1 - Other monitoring conditions | | | | | | | | | |
| Monitoring location | | Event based monitoring (Y/N) | Parameter Measured | Unit of measurement | Min Value | Max Value | Allowable Max | Percentile Limit (eg 90th) | Percentile reporting period |

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | Number of times monitored during the month | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

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| Select... | Select... | Select... | | | | | | |
|-----------|-----------|-----------|--|--|--|--|--|--|

Comments
 No vibration monitoring required at Cudgegong in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
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| Select... | Select... | Select... | | | | | | |
|-----------|-----------|-----------|--|--|--|--|--|--|

Comments
 No air monitoring required at Cudgegong in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
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Comments
 No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
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| | | | Select... | | | | | |
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Comments
 No exceedances in April 2017

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|--------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

DETAILS

| | | |
|-------------------------|--------|-------|
| Location: | Month: | Year: |
| Epping Service Facility | April | 2017 |

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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|---------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| | | Select... | Select... | Select... | | | |

Comments

No noise monitoring required at Epping in April 2017

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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ESF WTPC1 | 2 | Yes | pH | pH | 7.55 | 7.66 | 6.5 | 8.5 |
| ESF WTPC1 | 2 | Yes | TSS | mg/L | 24 | 37 | 0 | 50 |
| ESF WTPC2 | 2 | Yes | pH | pH | 7.66 | 8.5 | 6.5 | 8.5 |
| ESF WTPC2 | 2 | Yes | TSS | mg/L | 24 | 50 | 0 | 50 |
| ESF WTPC3 | 1 | Yes | pH | pH | 7.95 | 7.95 | 6.5 | 8.5 |
| ESF WTPC3 | 1 | Yes | TSS | mg/L | 24 | 24 | 0 | 50 |

Comments

WTPC - Water Treatment Plant Containers 1, 2, 3 discharges on the 03 and 11th April 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

| Condition M6.5 - Complaints | | | | | | | | | |
|---|--|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Condition M7.1 - Other monitoring conditions | | | | | | | | | |
| Monitoring location | 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 |
| | | Select... | Select... | Select... | | | | | |
| Comments | | | | | | | | | |
| No vibration monitoring required at Epping in April 2017 | | | | | | | | | |
| AIR MONITORING DATA | | | | | | | | | |
| Specific EPL licence monitoring conditions for air monitoring: N/A | | | | | | | | | |
| Monitoring location | 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 |
| | | Select... | Select... | Select... | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required at Epping in April 2017 | | | | | | | | | |
| 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 |
| | | | | | | | | | |
| Comments | | | | | | | | | |
| No corrections required in April 2017 | | | | | | | | | |
| 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 | |
| | | | Select... | | | | | | |
| Comments | | | | | | | | | |
| No exceedances in April 2017 | | | | | | | | | |

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|---------------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| DETAILS | | |
|---------------------------------|-----------------|---------------|
| Location: Kellyville Station | Month: April | Year: 2017 |

| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|----------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|---|
| Comments No noise monitoring required at Kellyville in April 2017 |
|---|

| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| KVL SB2 | 1 | Yes | pH | pH | 6.96 | 6.96 | 6.5 | 8.5 |
| KVL SB2 | 1 | Yes | TSS | mg/L | 15 | 15 | 0 | 50 |

| |
|--|
| Comments KVL SB2 discharges on the 05th April 2017 |
|--|

| VIBRATION MONITORING DATA | | | | | | | | | |
|---|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| Specific EPL licence monitoring conditions for vibration monitoring: Condition M6.5 - Complaints Condition M7.1 - Other monitoring conditions | | | | | | | | | |
| Monitoring location | | Event based monitoring (Y/N) | Parameter Measured | Unit of measurement | Min Value | Max Value | Allowable Max | Percentile Limit (eg 90th) | Percentile reporting period |

| | | | | | | | | | |
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| | Number of times monitored during the month | | | | | | | | |
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| Select... | Select... | Select... | | | | | | |
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Comments
 No vibration monitoring required at Kellyville in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
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| Select... | Select... | Select... | | | | | | |
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Comments
 No air monitoring required at Kellyville in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|

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Comments
 No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
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Comments
 No exceedances in April 2017

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NRW L1: 19 Jacqui Circuit, Baulkham Hills.
 (1) OOHW - Night Works. Works occurring included - Setting up for concrete cutting sucker truck lighting plant. Site noise within noise range. Community notice was in place for these works.
 (2) OOHW. Works occurring included - Asphalt works this included lighting plant, rollers, bobcats, truck deliveries, franna movement. Site noise within noise range.
 (3) OOHW. Works occurring included - Asphalt rollers paver truck offloads lighting plant. Site noise within noise range.

(1) Standard Hours. Works occurring included - Piling, 3 cranes working on the surface lowering materials into the station box, delivery trucks (sand) on Brookhollow Ave. Site noise within noise range.

NRW L2: 40 Norwest Boulevard, Baulkham Hills.
 (1) OOHW. Works occurring included - Sucker truck lighting plant unloading timber boards. Site noise within noise range.
 (2) OOHW. Works occurring included - Asphalt works including bobcat, rollers, asphalt machine, truck unloads and movement, lighting plant. Site noise within noise range.

NRW L3: Hillsong international leadership college, Baulkham Hills.
 Standard Hours. Works occurring included - Civmec - Forming up & Reinforcement of core walls at city and country. Civmec- Installing precast. members mezzanine slabs. Site noise within noise range - piling rig at station box surface and 5t excavator in verge (electrical works).
 (2) OOHW. Works occurring included - asphaltting and unloading of equipment and lighting towers. Site noise within noise range.

NRW L4: 7-9 Plover Glen, Baulkham Hills.
 Standard Hours. Works occurring included - Civmec - Forming up & Reinforcement of core walls at city and country. Civmec- Installing precast members mezzanine slabs. Civmec- installing precast members platform slabs city end. AWI - hangers OTE modifications. Tunnelling solutions deliveries. IJV - site team general labouring and site set up in station box and surface area. 400 t crane servicing the middle of the station box precast wall delivery and platform culverts. 400 t crane JHG servicing the city end 100 t LTR servicing the city end MGI piling at station service building at service level Traffic Control - At Gate E1. Star electrical- temps and rough in Axis plumbing - temps and rough in. Site noise within noise range. Background noise was the dominant noise source including road traffic, garbage truck and wildlife.

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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| NRW S.T | 1 | Yes | pH | pH | 7.03 | 7.03 | 6.5 | 8.5 |
| NRW S.T | 1 | Yes | TSS | mg/L | 3 | 3 | 0 | 50 |

Comments

NRW Settling Tank discharges on the 04th April 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments

No vibration monitoring required at Norwest in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
No air monitoring required at Norwest in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
| | | | Select... | | | | | |

Comments
No exceedances in April 2017

| | | | |
|---------------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| DETAILS | | |
|---------------------------------|-----------------|---------------|
| Location: Rouse Hill Station | Month: April | Year: 2017 |

| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
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| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| |
|---|
| Comments No noise monitoring required at Rouse Hill in April 2017 |
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| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|----------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| |
|---|
| Comments No water monitoring required at Rouse Hill in April 2017 |
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| VIBRATION MONITORING DATA | | | | | | | | | | | | | | | | | | | | |
|---|--|--|------------------------------|---------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|-----------------------------|----------------------|----------------------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Specific EPL licence monitoring conditions for vibration monitoring: Condition M6.5 - Complaints Condition M7.1 - Other monitoring conditions | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Monitoring location</th> <th style="width:10%;">Number of times monitored during the month</th> <th style="width:10%;">Event based monitoring (Y/N)</th> <th style="width:10%;">Parameter Measured</th> <th style="width:10%;">Unit of measurement</th> <th style="width:10%;">Min Value</th> <th style="width:10%;">Max Value</th> <th style="width:10%;">Allowable Max</th> <th style="width:10%;">Percentile Limit (eg 90th)</th> <th style="width:10%;">Percentile reporting period</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;"><input type="text"/></td> <td style="text-align: center;">Select...</td> <td style="text-align: center;">Select...</td> <td style="text-align: center;">Select...</td> <td style="text-align: center;"><input type="text"/></td> </tr> </tbody> </table> | Monitoring location | 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 | <input type="text"/> | <input type="text"/> | Select... | Select... | Select... | <input type="text"/> |
| Monitoring location | 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 | | | | | | | | | | | |
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Comments
 No vibration monitoring required at Rouse Hill in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No air monitoring required at Rouse Hill in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
 No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
| | | | Select... | | | | | |

Comments
 No exceedances in April 2017

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|--------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

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|-----------------------------|--------|-------|
| DETAILS | | |
| Location: | Month: | Year: |
| Rapid Transit Rail Facility | April | 2017 |

| | | | | | | | |
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| 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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|---------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| | | Select... | Select... | Select... | | | |

Comments

No noise monitoring required at RTRF in April 2017

| | | | | | | | | |
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| 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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SB1 | 3 | Yes | pH | pH | 8.03 | 8.41 | 6.5 | 8.5 |
| SB1 | 3 | Yes | TSS | mg/L | 23 | 48 | 0 | 50 |
| SB2 | 2 | Yes | pH | pH | 7.99 | 8.09 | 6.5 | 8.5 |
| SB2 | 2 | Yes | TSS | mg/L | 29 | 29 | 0 | 50 |

CommentsSB1 discharges on the 04, 05 and 19th April 2017
SB2 discharges on the 04 and 5th April 2017.

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No vibration monitoring required at RTRF in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
 No air monitoring required at RTRF in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
 No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
| | | | Select... | | | | | |

Comments
 No exceedances in April 2017

| | | | |
|---------------------|---|----------------------------|---|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
| EPL Weblink: | http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=20544&id=20544&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued | | |

| | | |
|--------------------|--------|-------|
| DETAILS | | |
| Location: | Month: | Year: |
| Showground Station | April | 2017 |

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 | Number of times monitored during the month | Attended or continuous monitoring | Event based monitoring (Y/N) | Parameter eg. Laq (15min) | min value dB (A) for month | max value dB (A) for month | goals / targets dB(A) |
|---------------------|--|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| SHG L1 | 1 | Attended | Yes | Leq | 64.1 | 64.1 | 75 |

Comments

SHG L1: 1 Middleton avenue, Showground.
 Standard Hours. Works occurring included - Crane works and jackhammering. Background noise was the dominant noise source including traffic on Middleton avenue and Carrington Road and pedestrians and residents. Site noise within noise range.

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 | Number of times monitored during the month | Event based monitoring (Y/N) | Parameter measured | Units of measurement (mg/L, NTU, pH) | Minimum value for month | Maximum value for month | Allowable minimum limit | Allowable maximum limit |
|---------------------|--|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SHG-A | 1 | Yes | pH | pH | 6.8 | 6.8 | 6.5 | 8.5 |
| SHG-A | 1 | Yes | TSS | mg/L | 19 | 19 | 0 | 50 |
| SHG-B | 2 | Yes | pH | pH | 7.2 | 7.7 | 6.5 | 8.5 |
| SHG-B | 2 | Yes | TSS | mg/L | 38 | 50 | 0 | 50 |

Comments

SHG-A discharges on the 04th April 2017
 SHG-B discharges on the 04 and 11th April 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
No vibration monitoring required at Showground in April 2017

AIR MONITORING DATA

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

| Monitoring location | 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 |
|---------------------|--|------------------------------|--------------------|---------------------|-----------|-----------|---------------|----------------------------|-----------------------------|
| | | Select... | Select... | Select... | | | | | |

Comments
No air monitoring required at Showground in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------|-----------|
| | | | | | | | | | |

Comments
No corrections required in April 2017

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 |
|----------------------|---------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|--------|-----------------|------------|
| | | | Select... | | | | | |

Comments
No exceedances in April 2017