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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: Bella Vista Station | Month: October | Year: 2017 |

| NOISE MONITORING DATA |
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| 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 in October 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"/> |

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|-----------------------------------------------------------------|
| Comments No water monitoring required in October 2017 |
|-----------------------------------------------------------------|

| VIBRATION MONITORING DATA |
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| 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 in October 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 in October 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 corrective logs required in October 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 October 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: Bella Vista Station to Kellyville Station | Month: October | Year: 2017 |

| NOISE MONITORING DATA |
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| 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 in October 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"/> |

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|-----------------------------------------------------------------|
| Comments No water monitoring required in October 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><input type="text"/></td> <td><input type="text"/></td> <td>Select...</td> <td><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... | <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... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | |

| | | Select... | Select... | Select... | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 in October 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 corrective logs required in October 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 October 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: |
| Cherrybrook Station | October | 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 in October 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 |
| SB1 | 2 | Yes | pH | pH | 6.91 | 7.41 | 6.5 | 8.5 |
| SB1 | 2 | Yes | TSS | mg/L | 26 | 32 | 0 | 50 |
| WTP | 2 | Yes | pH | pH | 7.10 | 7.27 | 6.5 | 8.5 |
| WTP | 2 | Yes | TSS | mg/L | 7 | 29 | 0 | 50 |
| Comments SB1 discharges on the 5th and 26th October 2017 WTP discharges on the 18th and 19th October 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 | |

| 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 in October 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 in October 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 correction logs required in October 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 October 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: Cudgegong Road Station to Rapid Transit Rail Facility | Month: October | 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 in October 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 in October 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... | <input type="text"/> | <input type="text"/> |

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|-----------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 |
| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required in October 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 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Comments | | | | | | | | | |
| No correction logs required in October 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 | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Comments | | | | | | | | | |
| No exceedances required in October 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: Cheltenham Service Facility | Month: October | Year: 2017 |

| NOISE MONITORING DATA |
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| 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 in October 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"/> |

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|-----------------------------------------------------------------|
| Comments No water monitoring required in October 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... | <input type="text"/> | <input type="text"/> |

| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 |
| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required in October 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 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Comments | | | | | | | | | |
| No corrective logs required in October 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 | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="Select..."/> | |
| Comments | | | | | | | | | |
| No exceedances in October 2017 | | | | | | | | | |

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|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|
| EPL No. | 20544 | EPL Monitoring Data |  |
| Project | Sydney Metro Northwest OTS Works | | |
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| DETAILS | | |
|----------------------------------|-------------------|---------------|
| Location: Castle Hill Station | Month: October | Year: 2017 |

| NOISE MONITORING DATA |
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| 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 in October 2017 |
|-----------------------------------------------------------------|

| WATER MONITORING DATA |
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| 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 in October 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 in October 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 in October 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 correction logs required in October 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 October 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: Cudgegong Road Station | Month: October | 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 in October 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 in October 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><input type="text"/></td> <td><input type="text"/></td> <td>Select...</td> <td><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... | <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... | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | |

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

Comments
 No vibration monitoring required in October 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 in October 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 correction logs required in October 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 October 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: Epping Service Facility | Month: October | 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 in October 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"/> |

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|-----------------------------------------------------------------|
| Comments No water monitoring required in October 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... | <input type="text"/> | <input type="text"/> |

| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 |
| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required in October 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 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Comments | | | | | | | | | |
| No correction logs required in October 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 | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Comments | | | | | | | | | |
| No exceedances in October 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: <input type="text" value="Kellyville Station to Rouse Hill Station"/> | Month: <input type="text" value="October"/> | Year: <input type="text" value="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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|----------------------------------------------------------------------------------------------|
| Comments <input type="text" value="No noise monitoring required in October 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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|----------------------------------------------------------------------------------------------|
| Comments <input type="text" value="No water monitoring required in October 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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| | Select... | Select... | Select... | | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 in October 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 correction logs required in October 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 October 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: October | 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 in October 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"/> |

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|-----------------------------------------------------------------|
| Comments No water monitoring required in October 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"/> | | | | | | | | | | | |

| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 |
| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required in October 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 correction logs required in October 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 October 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: <input type="text" value="Norwest Station"/> | Month: <input type="text" value="October"/> | Year: <input type="text" value="2017"/> |

| NOISE MONITORING DATA |
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| 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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|----------------------------------------------------------------------------------------------|
| Comments <input type="text" value="No noise monitoring required in October 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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

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|----------------------------------------------------------------------------------------------|
| Comments <input type="text" value="No water monitoring required in October 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><input type="text"/></td> <td><input type="text"/></td> <td><input type="text" value="Select..."/></td> <td><input type="text" value="Select..."/></td> <td><input type="text" value="Select..."/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="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"/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | |

| | | Select... | Select... | Select... | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 in October 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 correction logs required in October 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 October 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: | |
| Rouse Hill Station | October | 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) |
|---------------------|--------------------------------------------|-----------------------------------|------------------------------|---------------------------|----------------------------|----------------------------|-----------------------|
| RSH L1 | 3 | Attended | Yes | Leq | 44.4 | 48.6 | 52 |
| RSH L2 | 1 | Attended | Yes | Leq | 47.4 | 47.4 | 53 |

Comments

RSH L1: 35 Waterford Street, Kellyville Ridge. OOHW Night Period. 1x Excavator, saw cutter and site vehicles on site. Sound curtain utilised around noise source. Traffic on Windsor road was the dominant noise source, saw cutting and reversing vehicles were noticeable during traffic respite.

RSH L2: 7 Civic Way, Rouse Hill. OOHW Night Period. Concrete sawing of pedestrian footpath using sawcutter. Small excavator present. SJV conducting works on Windsor Road to do with towers - lanes closed and large EWP in operation. Traffic along Windsor Road was the dominant noise source, during traffic respite low humming of machinery and reversing alarms on vehicles is audible.

| | | | | | | | | |
|------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| 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 |
|---------------------|--------------------------------------------|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| RSH WT | 1 | Yes | pH | pH | 8.50 | 8.50 | 6.5 | 8.5 |
| RSH WT | 1 | Yes | TSS | mg/L | 28 | 28 | 0 | 50 |

Comments

RSH WT (Water Tank) discharges on the 28th October 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 in October 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 in October 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 correction logs required in October 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 October 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 to Cudgegong Road Station | Month: October | 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 in October 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 in October 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: 5%;">Min Value</th> <th style="width: 5%;">Max Value</th> <th style="width: 5%;">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"/> | | | | | | | | | | | |

| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|----------------------|----------------------|----------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 |
| | | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | <input type="text" value="Select..."/> | | | | | |
| Comments | | | | | | | | | |
| No air monitoring required in October 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 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Comments | | | | | | | | | |
| No correction logs required in October 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 | |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | |
| Comments | | | | | | | | | |
| No exceedances in October 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: Rapid Transit Rail Facility | Month: October | 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 in October 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 in October 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... | <input type="text"/> | <input type="text"/> |

| | | Select... | Select... | Select... | | | | | |
|-----------------------------------------------------------------------|--------------------------------------------|---------------------------------------|------------------------------|-----------------------------------|----------------|-----------------|------------------|----------------------------|-----------------------------|
| Comments | | | | | | | | | |
| No vibration monitoring required in October 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 in October 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 correction logs required in October 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 October 2017 | | | | | | | | | |

SHW L1: 26 Carrington Road, Castle Hill. Standard Hours. Rock crushing, Cranage, substation works, excavating, piling and traffic control set up along carrington road. Site noise inaudible when Traffic is passing along Carrington road. During traffic respite site noise is noticeable but isn't the dominant noise source due to the traffic. When crawler crane is operating during traffic respite NML is at 52.7dba. Mobile crane during traffic respite reaches 54.6dba. Traffic noise peaks at 78.5dba.

SHW L2 (1): 1 Middleton Avenue, Castle Hill. OOHW Night Period. Installation of concrete barriers and staging for substation delivery. Works along Carrington Road were clearly audible.

SHW L2 (2): 1 Middleton Avenue, Castle Hill. OOHW Night Period. Realigning concrete barriers along Carrington Road and removing existing line markings. Cars passing along Carrington road, Line removing machine is the dominant noise source and is clearly audible when in use.

SHW L3 (1): 32 Carrington Road, Castle Hill. OOHW Evening Period. Realigning concrete barriers and removing line markings. At the time of monitoring, plant was setting up for night shift.

SHW L3 (2): 32 Carrington Road, Castle Hill. OOHW Night Period. Installation of concrete barriers on Carrington Road and staging for substation delivery. Works were clearly audible and mitigation measures were in place for the nearest sensitive receiver's i.e. - consultation, door knocks, and attended noise monitoring. NML + > 30dba for additional mitigation measures in place

SHW L3 (3): 32 Carrington Road, Castle Hill. OOHW Night Period. Removal of line markings and applying new line markings along Carrington road. Water blasting in order to remove existing line markings on Carrington road, works were moderately intrusive additional mitigation measures were in place for the nearest sensitive receivers i.e. consultation, door knocks, and attended noise monitoring. NML + > 30dba for additional mitigation measures in place

Specific notifications were sent out to the nearest sensitive receivers covering the planned scope of works that occurred during October 2017 OOH period. NRT community team also followed up with the nearest sensitive receivers by completing a health check the following day after the OOH works, no issues or concerns were raised by the nearest receivers.

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 |
|---------------------|--------------------------------------------|------------------------------|--------------------|--------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SB-B | 1 | Yes | pH | pH | 7.04 | 7.04 | 6.5 | 8.5 |
| SB-B | 1 | Yes | TSS | mg/L | 23 | 23 | 0 | 50 |

Comments

SB-B discharges on the 31st October 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 in October 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 in October 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 correction logs required in October 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 October 2017

Comments
 No exceedances in October 2017