

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

DETAILS		
Location:	Month:	Year:
Bella Vista Station to Kellyville Station <input type="button" value="v"/>	March <input type="button" value="v"/>	2018 <input type="button" value="v"/>

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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

NO NOISE MONITORING REQUIRED IN MARCH 2018

WATER MONITORING DATA

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

Monitoring location	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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

NO WATER MONITORING REQUIRED IN MARCH 2018

VIBRATION MONITORING DATA

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

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

	Number of times monitored during the month								
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Comments
 NO VIBRATION MONITORING REQUIRED IN MARCH 2018

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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Comments
 NO AIR MONITORING REQUIRED IN MARCH 2018

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 NO CORRECTION LOGS REQUIRED IN MARCH 2018

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Comments
 NO EXCEEDENCES IN MARCH 2018

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Project	Sydney Metro Northwest OTS Works		
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DETAILS			
Location:	Month:	Year:	
Bella Vista Station <input type="button" value="v"/>	March <input type="button" value="v"/>	2018 <input type="button" value="v"/>	

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
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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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

NO NOISE MONITORING REQUIRED IN MARCH 2018

WATER MONITORING DATA

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

Monitoring location	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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

NO WATER MONITORING REQUIRED IN MARCH 2018

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

	Number of times monitored during the month								
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Comments
 NO VIBRATION MONITORING REQUIRED IN MARCH 2018

AIR MONITORING DATA

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

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

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

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Comments
 NO EXCEEDANCES IN MARCH 2018

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:

Castle Hill Station

Month:

March

Year:

2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
CSH L1	1	Attended	Yes	Leq	59.3	83.8	79
CSH L2: OO...	1	Attended	Yes	Leq	34.6	45.6	65

Comments

CSH L1: Standard Hours: 20 Old Castle Hill Rd, Castle Hill. Works; Craneage, concrete pours, form/reo work. Construction works audible. Tc1 operating 65 to 70db. Construction noise is the dominate noise source. extraneous noise occurring from works occurring at Castle towers

CSH L2: OOHW.: Castle Hill Station (bottom carpark). City up. vent fan only - no other works occurring on site

No current modelling of vent fan - monitoring to obtain data for Renzo Tonin to conduct modelling.

Construction noise inaudible. Extraneous noise is the dominate noise source.

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
CH-A	1	Yes	pH	pH	7.7	7.7	6.5	8.5
CH-A	1	Yes	TSS	NTU	45	45	0	50

Comments

CH-A discharges on the 22nd March 2018

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 for March 2018

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 for March 2018

CORRECTION LOG

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

Comments
 No correction logs required for March 2018

EXCEEDANCES

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

Comments
 No exceedances for March 2018

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="Cheltenham Service Facility"/>	Month: <input type="text" value="March"/>	Year: <input type="text" value="2018"/>

NOISE MONITORING DATA

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

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)
CSF. L1: OO...	1	Attended	Yes	Leq	50.3	66.1	65
CSF. L2: OO...	1	Attended	Yes	Leq	46.1	70.8	65
CSF. L3: OO...	1	Attended	Yes	Leq	51.7	64.1	65

Comments
 CSF. L1: OOHW. 1 Castle Howard Rd, Cheltenham. 400t mobile crane running. Construction noise is the dominate noise source.
 CSF. L2: OOHW. 60 Castle Howard Rd, Cheltenham. Mobile crane working. Construction noise is not the dominate noise source, Extraneous noise is the dominate noise source, Traffic on M2 and birds chirping loudly, aircraft nearby
 CSF. L3: OOHW. 260 Midson Rd, Cheltenham. Mobile crane operating. Construction noise is not the dominate noise source. Extraneous noise is the dominate noise source, Traffic on M2 and birds chirping loudly.

WATER MONITORING DATA

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

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

Comments
 No water monitoring required for March 2018

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 for March 2018

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 for March 2018

CORRECTION LOG

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

Comments

No correction logs required for March 2018

EXCEEDANCES

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

Comments

No exceedances for March 2018

EPL No.	20544	EPL Monitoring Data	
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DETAILS

Location:	Month:	Year:
Cherrybrook Station	March	2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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)
CHE. L1	2	Attended	Yes	Leq	55.6	72	75
CHE. L2	1	Attended	Yes	Leq	45.3	71.8	75
CHE. L3	1	Attended	Yes	Leq	42.3	85.9	75
CHE. L4	1	Attended	Yes	Leq	48.5	102.8	80
CHE.L1. OO...	4	Attended	Yes	Leq	35.3	63.1	65
CHE. L2. OO...	2	Attended	Yes	Leq	35.3	49.7	65
CHE. L4. OO...	4	Attended	Yes	Leq	40.5	81.7	65

Comments

CHE. L1: 4-6 Mercer St, Cherrybrook. Standard Hours: Works along Franklin Rd
 CHE. L1 3 Robert Rd, Cherrybrook. Standard Hours: Extraneous noise is the dominate noise source.
 CHE. L2. 10 Kayla Way, Cherrybrook. Standard Hours: Works along Franklin Rd, Sed basin pumping, Tower and crawler, Service building FR, Concrete pour into station box. Extraneous noise is the dominate noise source
 CHE. L3. 158 Castle Hill Rd, Cherrybrook. Standard Hours: Works along Franklin Rd. Site inaudible, Extraneous noise is the dominate noise source.
 CHE. L4. 2 Glenhope Rd, Cherrybrook. Standard Hours: Works along Franklin Rd, Sed basin pumping, Tower and crawler, Service building FR, Concrete pour into station box. Extraneous noise is the dominate noise source.
 CHE. L1 OOHW. 120 Franklin Rd, Cherrybrook: Construction works, One 8t excavator working for installation of water main. Saw cutting being undertaken. Construction noise is dominant noise source
 CHE. L1 OOHW. 3 Robert Rd, Cherrybrook. Vent fan only on city up line - no other works. Extraneous noise .
 CHE. L1 OOHW. 3 Robert Rd, Cherrybrook. No works on site - background monitoring only. Extraneous noise is the dominate noise source.
 CHE. L1 OOHW. 3 Robert Rd, Cherrybrook. Light vehicle, two AGI's, one boom pump, multiple electric tools, hand tools and tower crane. Extraneous noise is the dominate noise source.
 CHE. L2. OOHW. 4 Kayla Way, Cherrybrook. Light vehicle, two AGI's, one boom pump, multiple electric tools, hand tools and tower crane. Extraneous noise is the dominate noise source.
 CHE. L2 OOHW. Bottom carpark (back fence of Kayla Way)Cherrybrook. No works occurring on site - background monitoring only.
 CHE. L4. OOHW. 123 Castle Hill Rd, Cherrybrook. Construction work in inaudible. Extraneous noise is the dominate noise source.
 CHE. L4. OOHW. Site access gate - Castle Hill Rd, Cherrybrook. City up vent fan operating. No other works occurring on site. Extraneous noise is the dominate noise source.
 CHE. L4. OOHW. Site access gate - Castle Hill Rd, Cherrybrook. City up vent fan operating. No other works occurring on site. Extraneous noise is the dominate noise source.
 CHE. L4. OOHW. Site access gate - Castle Hill Rd, Cherrybrook. Background monitoring - no works on site (vent fans off). Extraneous noise is the dominate noise source

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
CB-A	4	Yes	pH	pH	7.7	8.3	6.5	8.5
CB-A	4	Yes	TSS	NTU	12	25	0	50

Comments

CB-A. Discharged on the 1, 3,20,28 March 2018

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 for March 2018

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 vibration monitoring required for March 2018									
CORRECTION LOG									
Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
Comments									
No correction logs required for March 2018									
EXCEEDANCES									
Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary	
			Select...						
Comments									
No exceedances for March 2018									

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

DETAILS			
Location:	Month:	Year:	
Cudgegong Road Station to Rapid Transit Rail Fac <input type="button" value="v"/>	March <input type="button" value="v"/>	2018 <input type="button" value="v"/>	

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
 Condition L3.2 - Noise limits Condition
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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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

No Noise monitoring required for March 2018

WATER MONITORING DATA

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

Monitoring location	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... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	Select... <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

No water monitoring required for March 2018

VIBRATION MONITORING DATA

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

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

	Number of times monitored during the month								
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Select...
 Select...
 Select...

Comments
 No vibration monitoring required for March 2018

AIR MONITORING DATA

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

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

Comments
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CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No correction logs required for March 2018

EXCEEDANCES

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

Comments
 No exceedances for March 2018

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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:	
<input type="text" value="Cudgegong Road Station"/>	<input type="text" value="March"/>	<input type="text" value="2018"/>	

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:
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<input type="text"/>	<input type="text"/>	Select... <input type="text"/>	Select... <input type="text"/>	Select... <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

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... <input type="text"/>	Select... <input type="text"/>	Select... <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Insert item

Comments

VIBRATION MONITORING DATA

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

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

	Number of times monitored during the month								
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Comments
 No vibration monitoring required for March 2018

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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Comments
 No air monitoring required for March 2018

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No correction logs required for March 2018

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Comments
 No exceedances for March 2018

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

DETAILS		
Location:	Month:	Year:
Epping Service Facility	March	2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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)
ESF: EP01	5	Attended	Yes	Leq	42.3	86.4	65
ESF: EP02	3	Attended	Yes	Leq	46	85.8	65
ESF: EP03	2	Attended	Yes	Leq	45.9	75.2	65
ESF: EP04	1	Attended	Yes	Leq	42.5	63.9	65
ESF: EP05	1	Attended	Yes	Leq	56.4	87.1	65

Comments

ESF: EP01: OOHW. 7 Kandy Avenue, Epping: Craneage, articulated trucks, excavator and electric tools. Concrete crushing - excavators and articulated dump trucks. Construction noise is inaudible. Extraneous noise is dominate noise source.

ESF: EP01: OOHW. 7 Kandy Avenue, Epping: Craneage, articulated trucks, excavator and electric tools.

Construction noise is inaudible. Extraneous noise is dominate noise source.

ESF: EP01: OOHW. 2-4 Edensor Street, Epping. Excavator handling material, spreading on ground and compactor compacting.

Construction noise is the dominate noise source, 53-65dB. Extraneous noise audible, Birds 72dB, residential activities 67dB.

ESF: EP01: OOHW. 23 High Street, Epping. Traffic control vehicles driving through (clanging), workers talking, crane humming.

Construction noise is audible, extraneous noise present - traffic on Beecroft rd and High Street.

ESF: EP01: OOHW. 17A High Street, Epping. Chiller unit placement. Extraneous noise is the dominate noise source.

ESF: EP02: OOHW. 30-34 Cambridge Street, Epping. Concrete crushing - two excavators and articulated dump trucks. Construction

noise is audible, Reversing tonal quacker 55db. Extraneous noise dominate noise source.

ESF: EP02: OOHW. 40 Cambridge Street, Epping. Craneage, articulated trucks, excavator and electric tools. Construction noise inaudible. Extraneous noise present - apartment construction occurring on street of monitoring.

ESF: EP02: OOHW. 6 Ray Road, Epping. Excavator material handling. Construction noise is audible, Works in station 52-56dB,

Excavator bucket bang from site 63dB. Extraneous noise present, Cockatoos flying and screeching overhead 75dB, traffic 66 - 70 dB

ESF: EP03: OOHW. 6 Ray Rd, Epping. Concrete crushing - two excavators and articulated dump trucks. Construction work audible 55db. Extraneous noise is the dominate noise source, traffic along main rd.

ESF: EP03: OOHW. 6 Ray Rd, Epping. Construction noise is audible. Crane 56/57dB

ESF: EP04: OOHW. 10-12 Edensor St, Epping. Construction noise is audible, banging can be heard up to 60dB. Construction noise

is not the dominate noise source. Extraneous noise is the dominate noise source, traffic passing 60dB.

ESF: EP05: OOHW. 74-76 Rawson St Epping. Construction noise is inaudible over background noise / traffic.

WATER MONITORING DATA

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

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

Comments
 No water monitoring required for March 2018

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 for March 2018

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 for March 2018

CORRECTION LOG

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

Comments
 No correction logs required for March 2018

EXCEEDANCES

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

<input type="text"/>	<input type="text"/>	<input type="text"/>	Select...	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Comments							
No exceedances for March 2018							

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 to Rouse Hill Station

Month:

March

Year:

2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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)
KTR. RSH02	1	Attended	Yes	Leq	43.6	81	75
KTR. RSH03	1	Attended	Yes	Leq	44.9	69.2	75

Comments

KTR. RSH02: 35 Waterford Street, Kellyville Ridge. Standard Hours: Construction noise inaudible. Extraneous noise is the dominate noise source, traffic 56/68 dB.

KTR. RSH03: 7 Civic Way, Rouse Hill. Standard Hours. Construction noise inaudible. Extraneous noise is the dominate noise source, traffic 70/78 dB.

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-C	1	Yes	pH	pH	8.1	8.1	6.5	8.5
RSH-C	1	Yes	TSS	NTU	38	38	0	50

Comments

RSH-C: Discharged on the 2/03/2018

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"/>
Comments									
No vibration monitoring required for March 2018									
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"/>	<input type="text"/>	Select...	Select...	Select...	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Comments									
No air monitoring required for March 2018									
CORRECTION LOG									
Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
<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 for March 2018									
EXCEEDANCES									
Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary	
<input type="text"/>	<input type="text"/>	<input type="text"/>	Select...	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Comments									
No exceedances for March 2018									

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:

March

Year:

2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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)
KVE02	1	Attended	Yes	Leq	43	80.3	75
KVE02: OO...	1	Attended	Yes	Leq	59.6	81	77
KVE03	1	Attended	Yes	Leq	52.2	88.4	75
KVE03:OOH...	1	Attended	Yes	Leq	43.6	82.5	77
KVE04	1	Attended	Yes	Leq	43.9	86.9	75
KVE05	1	Attended	Yes	Leq	43.7	64.9	75
KVE06	1	Attended	Yes	Leq	48.1	80.4	75
KVE07	1	Attended	Yes	Leq	54.1	89.3	75

Comments

KVE02: 37 Bentwood Terrace, Stanhope Gardens. Standard Hours. Finishes Landscape & Surface Finishing Works Track Materials Deliveries, Construction Compound & Car Park. Construction noise is inaudible. Extraneous noise is the dominate noise source, traffic along Windsor rd.

KVE02: OOHW. 1 Newbury Avenue, Stanhope Gardens. Excavator operating, lighting tower running. Construction noise is audible, Tools clanging 70,Excavator operating 62-64. Extraneous noise in the dominant noise source, traffic along Windsor rd, 65/72dB

KVE03. 27 Roxburgh crescent, Stanhope Gardens. Standard Hours. Finishes Landscape & Surface Finishing Works Track Materials Deliveries, Construction Compound & Car Park. Construction noise is audible 55/56dB. Extraneous noise is the dominate noise source, Traffic along Windsor rd 75 /86db.

KVE03: OOHW. 1 Somerset Street, Stanhope Gardens. DIONA 450 water main reconnection. Construction noise is the audible 49/52dB. Extraneous noise is the dominate noise source, traffic on Windsor rd 55/58dB.

KVE04: 23 Landy place, Kellyville. Standard Hours. Finishes Landscape & Surface Finishing Works Track Materials Deliveries, Construction Compound & Car Park. Construction noise is inaudible.
Background noise is the dominant noise source. Cars along Samantha Riley drive 76db. Birds chirping. Loudest truck 86db .

KVE05: 36 lycett avenue, Kellyville. Standard Hours. Finishes Landscape & Surface Finishing Works Track Materials Deliveries, Construction Compound & Car Park. Construction noise is inaudible. Extraneous noise is the dominate noise source, traffic along Windsor rd.

KVE06:32 Bentwood Terrace, Stanhope Gardens. Standard Hours. Internal fit out of station building Structural steel and cladding Install Structural Steel, Canopies. Construction noise is inaudible. Background noise is the dominant noise source, traffic along Windsor Rd 75/80dB.

KVE07: 49 lycett Avenue, Kellyville. Standard Hours. Internal fit out of station building Structural steel and cladding ,Install Structural Steel, Canopies. Construction noise is inaudible. Background noise is the dominant noise source, traffic along Windsor Rd 77/88dB.

WATER MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
KVL-D	7	Yes	pH	pH	7.1	8.5	6.5	8.5
KVL-D	7	Yes	TSS	NTU	15	48	0	50
KVL-Lift S...	8	Yes	pH	pH	6.5	7.9	6.5	8.5
KVL-Lift S...	8	Yes	TSS	NTU	20	48	0	50

Comments
 KVL-D: Discharges occurred on the 8th,9th,14th,19th,23th,27th,28th March 2018.
 KVL- Lift Shafts: Discharges occurred on the 1st,5th,15th,16th,28th March 2018

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 for March 2018

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 for March 2018

CORRECTION LOG

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

Comments
 No correction logs required for March 2018

EXCEEDANCES

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

Comments
 No Exceedances for March 2018

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:
Norwest Station	March	2018

NOISE MONITORING DATA							
Specific EPL licence monitoring conditions for noise monitoring: Condition L3.2 - Noise limits Condition Condition L4.2 - Exemptions to standard working hours Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights Condition L4.6 - Additional works agreed outside of standard construction hours Condition M6.5 - Complaints Condition M7.1 - Other Monitoring Conditions							
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 for March 2018							

WATER MONITORING DATA								
Specific EPL licence monitoring conditions for water monitoring: Condition L2 - Concentration Limits Condition M2 - Requirement to monitor concentration of pollutants discharged								
Monitoring location	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
NW-A	2	Yes	pH	pH	8.4	8.5	6.5	8.5
NW-A	2	Yes	TSS	NTU	20	30	0	50
Comments NW-A : Discharged on the 1/03 and the 27/03/18.								

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

	Number of times monitored during the month								
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Comments
 No vibration monitoring required for March 2018

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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Comments
 No air monitoring required for March 2018

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No correction logs required for March 2018

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Comments
 No exceedances for March 2018

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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="Rapid Transit Rail Facility"/>	Month: <input type="text" value="March"/>	Year: <input type="text" value="2018"/>

NOISE MONITORING DATA

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

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"/>

Comments

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 measureme nt (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
DP-1	2	Yes	pH	pH	8.1	8.3	6.5	8.5
DP-1	2	Yes	TSS	NTU	40	50	0	50
DP-2	1	Yes	pH	pH	8.5	8.5	6.5	8.5
DP-2	1	Yes	TSS	NTU	35	40	0	50

Comments
 DP-1: discharged on the 20/03/18 AND 28/03
 DP-2:discharged on the 20/03

VIBRATION MONITORING DATA

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

<input type="text"/>								
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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 for March 2018

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 for March 2018

CORRECTION LOG

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

Comments
 No correction logs required for March 2018

EXCEEDANCES

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

Comments
 No exceedances for March 2018

Comments
 No exceedances for March 2018

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 style="width:95%;" type="text" value="Rouse Hill Station"/>	Month: <input style="width:95%;" type="text" value="March"/>	Year: <input style="width:95%;" type="text" value="2018"/>

NOISE MONITORING DATA

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

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)
RSH02	1	Attended	Yes	Leq	41.1	85	75
RSH03	1	Attended	Yes	Leq	44.5	85.6	75
CUD02	1	Attended	Yes	Leq	53.1	90	75

Comments
 RSH02: 35 Waterford Street, Kellyville ridge. Standard Hours. Construction noise inaudible. Extraneous noise present and is the dominate noise source. Traffic from Windsor rd 52dB, residents collecting bins 65/75dB.
 RSH03: 7 Civic Way, Rouse Hill. Standard hours. Construction noise inaudible. Extraneous noise present and is the dominate noise source. Traffic from Windsor rd and Civic Way. 65/83 dB.
 CUD02: 812 Windsor Road, Rouse Hill. Standard Hours. Construction noise inaudible. Extraneous noise present and is the dominate noise source. Traffic from Windsor rd highly intrusive 65-90dB.

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
RHS-A	1	Yes	pH	pH	8.4	8.4	6.5	8.5
RHS-A	1	Yes	TSS	NTU	15	15	0	50

Comments
 RSH-A: discharge/ pumped to stormwater on the 16/03/18.

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 for March

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 for March

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 for March

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 for March

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:

March

Year:

2018

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends

Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights

Condition L4.6 - Additional works agreed outside of standard construction hours

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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)
CUD 02	1	Attended	Yes	Leq	57.5	86.8	75
CUD 04	1	Attended	Yes	Leq	48.1	60.9	75
CUD 05	1	Attended	Yes	Leq	38.1	71	75
RT 01	1	Attended	Yes	Leq	43.3	75.9	75
RT 02	1	Attended	Yes	Leq	47.1	76.5	75
RT 03	1	Attended	Yes	Leq	34.9	80.6	75
RT 04	1	Attended	Yes	Leq	35	87.5	75
RT 05	1	Attended	Yes	Leq	45.8	82.2	75
RSH 01	3	Attended	Yes	Leq	47.6	83.8	75

Insert item

Comments

CUD 02: 798 Windsor rd, rouse hill. Standard Hours. Shear Keys, Track Slab, Derailment Kerb Install. Construction noise is audible.

Crane operating 64db. Extraneous noise is dominate. Traffic along Windsor rd 78/86 dB.

CUD 04: 59 Cudgegong rd, rouse hill (didn't monitor at number 38 & 43 Cudgegong rd as residents have moved out).

Derailment Kerb Install, Flash Butt Welding. Construction noise is audible, Grinder 51dB. Extraneous noise present, other building developments occurring in area.

CUD 05: 59 Lomandra cr, The ponds. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is inaudible.

Extraneous noise is dominate, traffic along Schofield rd 64/69dB.

RT 01: 88 Amarco cat, The ponds. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is inaudible.

extraneous noise present, traffic on schofield rd 65/73dB.

RT 02: 43 Schofields rd, rouse hill. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is audible when

Schofield rd is quiet, grinder heard in distance 51dB. Extraneous noise is dominate, traffic along Schofield Rd 74dB

RT 03: 67 Tallawong rd, rouse hill. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is inaudible.

Extraneous noise is dominate, Cars passing by on Tallawong rd. Cars 73db, trucks 79db.

RT 04 42a Tallawong rd, rouse hill. Standard hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is audible,

The use of a grinder can be heard 38db. Reversing beepers 39db. Extraneous noise is dominate, Cars driving along Tallawong rd 68 db. Truck and dog drove past 84db

RT 05: 5 Ridgeline drive, The ponds. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is inaudible.

Extraneous noise is dominate, traffic on Ridgeline rd 77/81dB.

RSH01: 1 beck place, rouse hill. Standard Hours. Derailment Kerb Install, Flash Butt Welding. Construction noise is inaudible.

Extraneous noise is dominate, traffic on Windsor rd 58/68dB.

RSH01: 72 Civic Way, rouse hill. Standard hours. Derailment Kerb Install, FRP – Shear Keys, Track Slab. Construction noise is

inaudible. Extraneous noise is dominate, music from shops 64dB, traffic 77dB.

RSH01:72 Civic Way, rouse Hill Standard hours. Derailment Kerb Install, FRP – Shear Keys, Track Slab. Construction noise is

audible. Extraneous noise is dominate, music from shops 64dB, traffic 72dB. motorbike starting 80dB.

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
CUD-C	2	Yes	pH	pH	7.8	8.1	6.5	8.5
CUD-C	2	Yes	TSS	NTU	30	42	0	50
CUD-D	4	Yes	pH	pH	7.9	8.5	6.5	8.5
CUD-D	4	Yes	TSS	NTU	40	45	0	50
Northern Bu	1	Yes	pH	pH	8.2	8.2	6.5	8.5
Northern Bu	1	Yes	TSS	NTU	15	15	0	50
Northern Bu	1	Yes	pH	pH	8.3	8.3	6.5	8.5
Northern Bu	1	Yes	TSS	NTU	20	20	0	50

Insert item

Comments

CUD-C: Discharges occurred on the 15th and 28th March 2018
 CUD-D: Discharges occurred on the 15th,26th,27th March 2018
 Northern Bus Layover (1): Discharges occurred on the 2nd March 2018
 Northern Bus Layover (2): Discharges occurred on the 2nd March 2018

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...					

Insert item

Comments

No vibration monitoring required for March 2018

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...					

Insert item

Comments

No air monitoring required for March 2018

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Insert item
Comments
 No correction logs required for March 2018

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Insert item
Comments
 No exceedances for March 2018

Submit

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="Showground Station"/>	Month: <input type="text" value="March"/>	Year: <input type="text" value="2018"/>

NOISE MONITORING DATA

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

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"/>

Comments

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" value="SG-B"/>	<input type="text" value="9"/>	<input type="text" value="Yes"/>	<input type="text" value="pH"/>	<input type="text" value="pH"/>	<input type="text" value="7.7"/>	<input type="text" value="8.5"/>	<input type="text" value="6.5"/>	<input type="text" value="8.5"/>
<input type="text" value="SG-B"/>	<input type="text" value="9"/>	<input type="text" value="Yes"/>	<input type="text" value="TSS"/>	<input type="text" value="NTU"/>	<input type="text" value="20"/>	<input type="text" value="50"/>	<input type="text" value="0"/>	<input type="text" value="50"/>

Comments

VIBRATION MONITORING DATA

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

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

	Number of times monitored during the month								
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Comments
 No vibration monitoring for March 2018

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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Comments
 No air monitoring for March 2018

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No correction logs for March 2018

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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Comments
 No exceedances for March 2018

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