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: December 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)
		Select...	Select...	Select...			

Insert item

Comments

No noise monitoring required for December 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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

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

Insert item

Comments

No vibration monitoring required for December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

EPL No. 20544

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DETAILS

Location: Bella Vista Station

Month: December 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)
BV01	1	Attended	Yes	Leq	57.2	57.2	75
BV02	1	Attended	Yes	Leq	69.0	69.0	75
BV03	1	Attended	Yes	Leq	54.8	54.8	75
BV04	1	Attended	Yes	Leq	64.4	64.4	75
BV05	1	Attended	Yes	Leq	46.7	46.7	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on five (5) individual occasions at the following locations: BV01, BV02,BV03,BV04, BV05.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source 55 / 79dB
NRT construction noise was inaudible at the following monitoring locations: BV01, BV02,BV03,BV04.
NRT construction noise was audible at BV05. Construction noise consisted of an excavator in operation 45 - 50dB.

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs required for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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DETAILS

Location: Castle Hill Station

Month: December 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)
CH01	1	Attended	Yes	Leq	71	71	75
CH02	1	Attended	Yes	Leq	72.9	72.9	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on two (2) individual occasions at the following locations: CH01, CH02.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source.
NRT construction noise was audible at CH01. General construction noise could be heard 56/57dB. Extraneous noise (traffic) was the dominate noise source 60 / 85dB.

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...				

Insert item

Comments

No water monitoring required for December 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
CH01	2	Yes	Peak Part	mm/s	0.8	1.09	5		

Insert item

Comments

Vibration monitoring was undertaken outside 329 Old Northern Rd, Castle Hill on 14/12/18.
NRT construction activity consisted removing a headwall using a excavator with a hammer attachment. Distance between activity and receiver was 130meters. Vibration results outside the receiver were compliant with measurement of 0.8mm/s.
Further vibration analysis was undertaken 10meters away from the activity. Results from this distance were recorded at 1.09mm/s .

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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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DETAILS

Location: Cheltenham Service Facility

Month: December 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)
CN02	1	Attended	Yes	Leq	56.1	56.1	75
CN03	1	Attended	Yes	Leq	57.3	57.3	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on two (2) individual occasions at the following locations: CN02, CN03.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
NRT construction noise was audible at all monitoring locations. Construction noise consisted of an Ausgrid truck 75dB, reversing quacker 52-56dB, machinery operating 52dB.
Extraneous noise consisted of traffic form the M2 54-56dB, birds calling 58 - 62dB

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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DETAILS

Location: Cherrybrook Station

Month: December 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)
CB01	1	Attended	Yes	Leq	66.4	66.4	75
CB02	1	Attended	Yes	Leq	47.7	47.7	75
CB03	1	Attended	Yes	Leq	69.0	69.0	75
CB04	1	Attended	Yes	Leq	70	70	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on four (4) individual occasions at the following locations: CB01,CB02,CB03,CB04.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
NRT construction noise was inaudible at the following monitoring locations: CB03
NRT construction noise was audible and the dominate noise source at the following locations: CB02, CB01. Construction noise consisted of excavators operating 61dB, water cart 58dB, Street sweeper 80dB and general construction noise 49 / 53dB.
NRT construction work was audible at CB04. 60-61dB. Extraneous noise (traffic) was the dominate noise source 65-85dB at this monitoring location.

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
CBA	2	Yes	pH	pH	6.8	8.4	6.5	8.5
CBA	2	Yes	TSS	NTU	30	30	0	50

Insert item

Comments

Sediment basin CBA was discharged on the 4th and 19th December
EPL requirements were met prior to discharge.

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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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DETAILS

Location: Cudgegong Road Station to Rapid Transit Rail Fac

Month: December

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)
RT05	1	Attended	Yes	Leq	38.8	38.2	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on one (1) individual occasion at the following locations: RT05.
The Leq was found to be within the specified noise limit at this location during this monitoring period.
It was noted that extraneous noise (birds and insects) were the dominate noise source.
NRT construction noise was inaudible during the monitoring period.

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs required for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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Project Sydney Metro Northwest OTS Works

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DETAILS

Location: Cudgegong Road Station

Month: December 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)
CR03	1	Attended	Yes	Leq	41.2	41.2	75
CR04	1	Attended	Yes	Leq	51.8	51.8	75
CR05	1	Attended	Yes	Leq	50.3	50.3	75
CR06	1	Attended	Yes	Leq	52.2	52.2	75
CUD05	3	Attended	Yes	Leq	47.2	49.5	75
CUD06	1	Attended	Yes	Leq	47.6	47.6	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on eight (8) individual occasions at the following locations: CR03,CR04,CR05,CR06,CUD05,CUD06.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source at all monitoring locations.
NRT construction noise was inaudible at the following monitoring locations: CR05,CR06,CUD05,CUD06.
NRT construction noise was audible at the following locations: CR03, CR04. Construction noise consisted of an excavator operating 40db.

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs required for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit

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DETAILS

Location: Epping Service Facility

Month: December 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)
		Select...	Select...	Select...			

Insert item

Comments

No noise monitoring required for December 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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

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

Insert item

Comments

No vibration monitoring required for December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Epping to Chatswood Rail Link

Month: December 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)
EP02	5	Attended	Yes	Leq	38.7	62.5	62
EP03	5	Attended	Yes	Leq	47.3	57.3	48
EP04	5	Attended	Yes	Leq	45.2	51.7	56
EP05	3	Attended	Yes	Leq	57.1	68.2	45
ECRL1	6	Attended	Yes	Leq	46.6	55.7	60
ECRL4	5	Attended	Yes	Leq	50.8	53.6	75
ECRL5	5	Attended	Yes	Leq	52.2	62.2	72
ECRL6	4	Attended	Yes	Leq	42.3	53.5	63
ECRL10	4	Attended	Yes	Leq	59.6	68.6	66
ECRL11	5	Attended	Yes	Leq	70.0	73.7	71

Insert item

Comments

Out of Hours Work: Verification monitoring took place on 47 individual occasions at the following locations:
EP02, EP03, EP04, EP05, ECRL1, ECRL4, ECRL5, ECRL6, ECRL10, ECRL11.
NRT construction noise was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source where the Leq exceeded the target dB level.
Mitigation measures were implemented and alternate accommodation was offered to affected residents where the target dB was 65dB or greater during NRT construction work.

NRT construction noise at EP02 was inaudible on all five (5) individual occasions.
Extraneous noise was present during the monitoring period predominately consisting of traffic 65/70dB and passing passenger/ freight trains 73 - 82dB.
NRT construction noise at EP03 was inaudible on all five (5) individual occasions
Extraneous noise was the dominate noise source during the monitoring period, predominately consisting of traffic passing by on nearby roads 65/75dB.
NRT construction noise at EP04 was inaudible on all five (5) individual occasions.
Extraneous noise was audible during the monitoring period, predominately consisting of traffic passing by on nearby roads 40/68dB as well as trains 52 - 60dB
NRT construction noise at EP05 was inaudible on all three (3)individual occasions .
Extraneous noise (traffic) was the dominate noise source 60 - 77dB
NRT construction noise at ECRL1 was audible on two (2) occasion and inaudible on four (4) occasions.
Construction noise consisted of: reversing quackers 45db, hum of machines 42 / 45dB, drilling intermittently 50/57dB, jackhammer intermittently 59/61dB. Extraneous noise was the dominate noise source during the monitoring period, consisting of: birds chirping 55 / 60dB, traffic from pacific highway 57/60dB.
NRT construction noise at ECRL4 was audible on three (3) occasion and inaudible on two (2) occasions.
Construction noise consisted of: reversing quackers 47/53dB, banging intermittently 47dB, hand tools 65dB .
Extraneous noise was the dominate noise source during the monitoring period, consisting of: traffic 54/57dB, birds chirping 72dB
NRT construction noise at ECRL5 was audible on all five (5) occasions.
Construction noise consisted of: reversing quackers and machinery operating 48 / 55dB, hand tools 52 /55dB, mobile crane lifting load 54dB.
Extraneous noise audible - traffic passing on nearby road 50/60dB, birds calling 48/55dB.
NRT construction noise at ECRL6 was audible on one (1) occasion and inaudible on three (3) occasions.
Construction noise consisted of excavator operating 55 /60dB.
Extraneous noise was the dominate noise source (traffic) 45 /65dB.
NRT construction noise at ECRL10 was audible on three (3) occasions and inaudible on (1) occasions.
Construction noise consisted of: plant idle 54/58dB, reversing quacker 55dB
Extraneous noise was the dominate noise source (traffic) 65 /75dB.
NRT construction noise at ECRL11 was inaudible on all five (5) individual occasions.
Extraneous noise was the dominate noise source (traffic) 55/95dB.

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Kellyville Station to Rouse Hill Station

Month: December 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)
RSH03	1	Attended	Yes	Leq	44.4	44.4	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on one (1) individual occasions at RSH03.
The Leq was found to be within the specified noise limit at this location during the monitoring period.
NRT construction noise was inaudible. It was noted that extraneous noise (traffic) was 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Kellyville Station

Month: December 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)
KVE01	1	Attended	Yes	Leq	47.9	47.9.	75
KVE02	1	Attended	Yes	Leq	46.1	46.1	75
KVE03	1	Attended	Yes	Leq	43.5	43.5	75
KVE04	1	Attended	Yes	Leq	46.2	46.2	75
KVE05	1	Attended	Yes	Leq	41.8	41.8	75
KVE07	1	Attended	Yes	Leq	40.1	40.1	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on six (6) individual occasions at the following locations: KVE01, KVE02, KVE03, KVE04, KVE05, KVE07.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
NRT construction noise was inaudible at all monitoring locations during this period. It was noted that extraneous noise (traffic) was 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
KVL-D	1	Yes	pH	pH	7.9	7.9	6.5	8.5
KVL-D	1	Yes	TSS	NTU	10	10	0	50

Insert item

Comments

Sediment basin KVL-D was discharged on the 10th December 2018.
EPL requirements met prior to discharge.

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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Norwest Station

Month: December 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)
NW OSR	1	Attended	Yes	Leq	66.0	66.0	75
NW03	1	Attended	Yes	Leq	70.1	70.1	75
NW04	1	Attended	Yes	Leq	68.6	68.6	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on three (3) individual occasions at the following locations: NW OSR, NW03, NW04. The Leq was found to be within the specified noise limit at all locations during this monitoring period.
NRT construction noise was inaudible at all monitoring locations. It was noted that extraneous noise (traffic) was 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Rapid Transit Rail Facility

Month: December 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)
RT01	1	Attended	Yes	Leq	52.7	52.7	75
RT02	1	Attended	Yes	Leq	46.0	46.0	75
RT03	1	Attended	Yes	Leq	53.3	53.3	75
RT04	1	Attended	Yes	Leq	54.6	54.6	75
RT05	1	Attended	Yes	Leq	42.5	42.5	75

Insert item

Comments

Standard Hours: Periodic monitoring took place on five (5) individual occasions at the following locations: RT01, RT02, RT03, RT04, RT05.
The Leq was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source.
NRT construction noise was inaudible at all locations during the monitoring period.

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...				

Insert item

Comments

No water monitoring required for December 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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Rouse Hill Station to Cudgegong Road Station

Month: December 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)
		Select...	Select...	Select...			

Insert item

Comments

No noise monitoring required for December 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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

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

Insert item

Comments

No vibration monitoring required for December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 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: Rouse Hill Station

Month: December 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)
		Select...	Select...	Select...			

Insert item

Comments

No noise monitoring required for December 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
		Select...	Select...	Select...				

Insert item

Comments

No water monitoring required for December 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

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

Insert item

Comments

No vibration monitoring required for December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs required for December 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.					

Insert item

Comments

No exceedances for December 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: Showground Station

Month: December 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)
SG03	1	Attended	Yes	Leq	66.4	66.4	75
SG02 OOH	2	Attended	Yes	Leq	46.4	64.5	60
SH03	1	Attended	Yes	Leq	65.1	65.1	56

Insert item

Comments

Standard Hours: Periodic monitoring took place on one (1) individual occasion at the following location: SG03.
The Leq was found to be within the specified noise limit during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source 60 / 77dB .
NRT construction noise was audible at SG03. Construction noise consisted general works 56dB, trailer from a truck closing 72dB.

Out of Hours Work: Verification monitoring took place on 3 individual occasions at the following locations:
SG02, SG03
NRT construction noise was found to be within the specified noise limit at all locations during this monitoring period.
It was noted that extraneous noise (traffic) was the dominate noise source where the Leq exceeded the target dB level.
Mitigation measures were implemented and alternate accommodation was offered to affected residents where the target dB was 65dB during NRT construction work.
NRT construction noise was inaudible at the following location: SG03.
NRT construction noise was audible at SG02. Construction noise consisted of the hum of a saw operating intermittently 49/50db, reversing quacker 43dB. Extraneous noise (traffic) was the dominate noise source at this location. Traffic along Showground Rd was constant 68/78 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
SGB	2	Yes	pH	pH	7.9	8.5	6.5	8.5

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
SGB	2	Yes	TSS	NTU	40	50	0	50

Insert item

Comments

Sediment basin SGB was discharged on the 11th and 20th December 2018.
EPL requirements met prior to discharge.

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 December 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 December 2018.

CORRECTION LOG

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

Insert item

Comments

No correction logs for December 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.					

Insert item

Comments

No exceedances for December 2018.

Submit