

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	March	2017

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

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

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
BV-A	3	Yes	pH	pH	7.02	7.96	6.5	8.5
BV-A	3	Yes	TSS	mg/L	5	35	0	50
BV-B	4	Yes	pH	pH	6.92	8.49	6.5	8.5
BV-B	4	Yes	TSS	mg/L	5	22	0	50

Comments
BV-A discharges occurred on the 02, 08 and 28th March. BV-B discharges occurred on the 08, 10, 13, 27th March.

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
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		Select...	Select...	Select...					
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Comments
 No vibration monitoring required at Bella Vista in March 2017

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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		Select...	Select...	Select...					
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Comments
 No air quality monitoring required at Bella Vista in March 2017

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No corrections required in March 2017

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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			Select...					
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Comments
 No exceedances in March 2017

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

DETAILS

Location:	Month:	Year:
Cherrybrook Station	March	2017

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

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

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

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

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
CHB L1	1	Attended	Yes	Leq	59.2	59.2	75
CHB L2	1	Attended	Yes	Leq	71.5	71.5	75
CHB L3	1	Attended	Yes	Leq	69.2	69.2	75
CHB L4	1	Attended	Yes	Leq	49.9	49.9	75

Comments

CHB L1: Inala school.

Standard Hours. Works occurring included - Hammering demolishing station wall, Crawler crane in use, tower crane set up, piling. Site noise within noise range.

CHB L2: 112 Castle Hill Road.

Standard Hours. Works occurring included - Hammering demolishing station wall, Crawler crane in use, tower crane set up, piling. Background noise was the dominant noise source including traffic from Castle Hill Road, pedestrians and residents. Site noise within noise range piling truck operating near side of castle hill road side faintly heard during traffic respite.

CHB L3: 125 Castle Hill Road

Standard Hours. Works occurring included - Hammering demolishing station wall, Crawler crane in use, tower crane set up, piling. Background noise was the dominant noise source including traffic and heavy vehicles passing along Castle Hill Road. Site noise was within noise range unable to hear works occurring from this end of Castle Hill Road due to the traffic.

CHB L4: 13 Oliver Way.

Standard Hours. Works occurring included - Hammering demolishing station wall, Crawler crane in use, tower crane set up, piling. Background noise was the dominant noise source including traffic from wildlife, residents and planes overhead.

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
SB1	2	Yes	pH	pH	6.57	7.49	6.5	8.5
SB1	2	Yes	TSS	mg/L	18	26	0	50
WTP	2	Yes	pH	pH	7.36	7.58	6.5	8.5
WTP	2	Yes	TSS	mg/L	24	27	0	50

Comments

SB1 discharges occurred on the 13, 28th March.
WTP discharges occurred on the 07, 08th March.

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

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

Comments

No vibration monitoring required at Cherrybrook in March 2017

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

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

Comments

No air quality monitoring required at Cherrybrook in March 2017

CORRECTION LOG

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

Comments

No corrections required in March 2017

EXCEEDANCES								
Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="Select..."/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Comments								
No exceedences in March 2017								

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

DETAILS		
Location: Cheltenham Service Facility	Month: March	Year: 2017

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

Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
CSF L1	1	Attended	Yes	Leq	57.6	57.6	75
CSF L2	1	Attended	Yes	Leq	60.7	60.7	75

Comments Periodic day time monitoring. All work events compliant with specified noise goals. CSF L1: 226 Midson Road. Standard Hours. Works occurring included - steel fixing, jackhammering. Site noise within noise range CSF L2: 48 Castle Howard Road Standard Hours. Works occurring included - Steel fixing, jack hammering. Background noise was the dominant noise source including residents, people using the oval, planes and helicopter and traffic noise. Site noise within noise range.

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

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

Comments No water monitoring required at Cheltenham in March 2017

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

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

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

Comments
 No vibration monitoring required at Cheltenham in March 2017

AIR MONITORING DATA

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

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

Comments
 No air monitoring required at Cheltenham in March 2017

CORRECTION LOG

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

Comments
 No corrections required in March 2017

EXCEEDANCES

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

Comments
 No exceedances in March 2017

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

DETAILS		
Location: Castle Hill Station	Month: March	Year: 2017

NOISE MONITORING DATA

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

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

Comments
 No noise monitoring required at Castle Hill in March 2017

WATER MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
SB1	2	Yes	pH	pH	6.76	7.86	6.5	8.5
SB1	2	Yes	TSS	mg/L	40	42	0	50

Comments
 Sediment basin discharges on the 08 and 29th March 2017

VIBRATION MONITORING DATA

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

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

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

Comments
No vibration monitoring required at Castle Hill in March 2017

AIR MONITORING DATA

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

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

Comments
No air monitoring required at Castle Hill in March 2017

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
No corrections required in March 2017

EXCEEDANCES

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

Comments
No exceedances in March 2017

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

DETAILS		
Location:	Month:	Year:
Cudgegong Road Station	March	2017

NOISE MONITORING DATA							
Specific EPL licence monitoring conditions for noise monitoring: Condition L3.2 - Noise limits Condition Condition L4.2 - Exemptions to standard working hours Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights Condition L4.6 - Additional works agreed outside of standard construction hours Condition M6.5 - Complaints Condition M7.1 - Other Monitoring Conditions							
Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
CUD L1	1	Attended	Yes	Leq	50	50	75
CUD L2	1	Attended	Yes	Leq	61	61	75
CUD L3	1	Attended	Yes	Leq	64.4	64.4	75

Comments

Periodic daytime monitoring. All events compliant with specified noise goals.

CUD L1: 19 Arrowroot Road, The Ponds.

Standard Hours. Works occurring included - Backfilling traction sub, prep and installation of platforms at stabling yard, backfilling biowash, discharging basins, drainage works at Cudgegong carpark, CSR installation, pit reductions at stabling yard, bridge works on tallawong road - installing crash barriers, street light piling, sandblasting. Background noise was the dominant noise source including wildlife, heavy traffic from Schofields Road and Arrowroot Street. Construction noise from new development at 13 Arrowroot Street. Whipper snipper was used by council cleaner half way through monitoring. Site noise was within noise range.

CUD L2: 59 Lomandra Cr, The Ponds.

Standard Hours. Works occurring included - Drainage works at Cudgegong carpark, bridge works on tallawong road - installing crash barriers, street light piling, discharging basins. Background noise was the dominant noise source including wildlife and traffic noise from Schofields Road. Site noise was within noise range.

CUD L3: 87 Schofields Road, Rouse Hill.

Standard Hours. Works occurring included - Drainage works at Cudgegong carpark, bridge works on tallawong road - installing crash barriers, street light piling, discharging basins. Background noise was the dominant noise source including traffic from Schofields Road and wildlife. Site noise within noise range.

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

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

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
SB4	2	Yes	pH	pH	7.23	7.72	6.5	8.5
SB4	2	Yes	TSS	mg/L	36	48	0	50

Comments

SB4 discharges on the 13 and 29th March 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

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

Comments

No vibration monitoring required at Cudgegong in March 2017

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

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

Comments

No air monitoring required at Cudgegong in March 2017

CORRECTION LOG

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

Comments

No corrections in March 2017

EXCEEDANCES

Sample Date and Time	Monitoring location	Unit (eg Mg/L)	Result	Allowable Limit	Commentary

		Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)				
<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 in March 2017								

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

DETAILS			
Location:	Month:	Year:	
Epping Service Facility	March	2017	

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

Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
ESF L1	1	Attended	Yes	Leq	60.4	60.4	75
ESF L2	1	Attended	Yes	Leq	56.8	56.8	75
ESF L3	1	Attended	Yes	Leq	63.5	63.5	75
ESF L4	1	Attended	Yes	Leq	67.5	67.5	75
ESF L5	1	Attended	Yes	Leq	66.7	66.7	75

Comments

Periodic Day time monitoring. All events compliant with specific noise goals.

ESF L1: 13-15 Ray Road.

Standard Hours. Works occurring included - concrete line, crane box, reo works, beam works. Site noise within noise range.

ESF L2: 4-6 Edensor Road.

Standard Hours. Works occurring included - concrete line, crane box, reo works, beam works. Background noise was the dominant noise source including traffic, trains, residents, pedestrians and resident household noise. Site noise was within noise range.

ESF L3: 9 Edensor Road

Standard Hours. Works occurring included - concrete line, crane box, reo works, beam works. Background noise was the dominant noise source including wildlife, constant traffic from Ray Road, Lawn mover in use by resident. Site noise was within the noise range - crane can be heard at times of traffic respite, within noise range.

ESF L4: 74 Rawson Road

Standard Hours. Works occurring included - concrete line, crane box, reo works, beam works. Site works within noise range.

ESF L5: 34 Cambridge Road

Standard Hours. Works occurring included - concrete line, crane box, reo works, beam works. Background noise was the dominant noise source including new development works on Cambridge Road with concrete trucks entering street and reversing with non tonal alarms. Traffic controllers talking amongst each other. Crane operating on their end quite loud and dominant. Trains passing through station. Lawn mower operating front lawn of properties. Site noise was within noise range, crane could be faintly heard during times of respite from background noise.

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
WTP 1	2	Yes	pH	pH	6.97	7.01	6.5	8.5
WTP 1	2	Yes	TSS	mg/L	24	34	0	50
WTP 2	2	Yes	pH	pH	7.11	7.35	6.5	8.5
WTP 2	2	Yes	TSS	mg/L	34	49	0	50

Comments

WTP 1 discharges on the 22nd March
WTP 2 discharges on the 31st March

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

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

Comments

No vibration monitoring required at Epping in March 2017

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

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

Comments

No air monitoring required at Epping in March 2017

CORRECTION LOG

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

Comments

No corrections required in March 2017

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

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

DETAILS		
Location:	Month:	Year:
Kellyville Station	March	2017

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

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

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
KV-1	1	Yes	pH	pH	7.9	7.93	6.5	8.5
KV-1	1	Yes	TSS	mg/L	17	19	0	50

Comments
KV-1 discharges on the 29th March 2017

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

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

AIR MONITORING DATA

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

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
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Select...	Select...	Select...						
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Comments
 No air monitoring required at Kellyville in March 2017

CORRECTION LOG

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Original result	Corrected Result	Date Corrected	Reasoning
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Comments
 No corrections required in March 2017

EXCEEDANCES

Sample Date and Time	Monitoring location	Type of monitoring (noise, water etc)	Event based monitoring (Y/N)	Parameter Measured (eg TSS, LAEq)	Unit (eg Mg/L)	Result	Allowable Limit	Commentary
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			Select...					
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Comments
 No exceedances in March 2017

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

DETAILS

Location:	Month:	Year:
Norwest Station	March	2017

NOISE MONITORING DATA

Specific EPL licence monitoring conditions for noise monitoring:

Condition L3.2 - Noise limits Condition

Condition L4.2 - Exemptions to standard working hours

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

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

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

Condition M6.5 - Complaints

Condition M7.1 - Other Monitoring Conditions

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

Comments

No noise monitoring required at Norwest in March 2017

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
NW S.TANK	9	Yes	pH	pH	6.79	8.49	6.5	8.5
NW S.TANK	9	Yes	TSS	mg/L	3	13	0	50
NW PEDLNK	3	Yes	pH	pH	7.9	8.22	6.5	8.5
NW PEDLNK	3	Yes	TSS	mg/L	4	8	0	50

Comments

NW S.Tank - discharges on the 02, 07, 10, 16, 17, 21, 22, 23, 24th March.

NW PEDLINK - discharges on the 18, 21st March.

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

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

Comments
No vibration monitoring required at Norwest in March 2017.

AIR MONITORING DATA

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

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

Comments
No air monitoring required at Norwest in March 2017.

CORRECTION LOG

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

Comments
No corrections in March 2017

EXCEEDANCES

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

Comments
No exceedances in March 2017

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

DETAILS		
Location: Rouse Hill Station	Month: March	Year: 2017

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

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

Comments No noise monitoring required at Rouse Hill in March 2017.
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WATER MONITORING DATA
Specific EPL licence monitoring conditions for water monitoring: Condition L2 - Concentration Limits Condition M2 - Requirement to monitor concentration of pollutants discharged

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

Comments No water monitoring required at Rouse Hill in March 2017.
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VIBRATION MONITORING DATA									
Specific EPL licence monitoring conditions for vibration monitoring: Condition M6.5 - Complaints Condition M7.1 - Other monitoring conditions									
Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter Measured	Unit of measurement	Min Value	Max Value	Allowable Max	Percentile Limit (eg 90th)	Percentile reporting period
<input type="text"/>	<input type="text"/>	Select...	<input type="text"/>	<input type="text"/>					

	Select...	Select...	Select...				
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Comments
 No vibration monitoring required at Rouse Hill in March 2017.

AIR MONITORING DATA

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

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

Comments
 No air monitoring required at Rouse Hill in March 2017.

CORRECTION LOG

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

Comments
 No corrections required in March 2017

EXCEEDANCES

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

Comments
 No exceedances in March 2017

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

DETAILS		
Location:	Month:	Year:
Rapid Transit Rail Facility	March	2017

NOISE MONITORING DATA							
Specific EPL licence monitoring conditions for noise monitoring: Condition L3.2 - Noise limits Condition Condition L4.2 - Exemptions to standard working hours Condition L4.4 - Works Approved Outside of Standard Construction Hours – Weekends Condition L4.5 - Works Approved Outside of Standard Construction Hours - Weekday evenings and nights Condition L4.6 - Additional works agreed outside of standard construction hours Condition M6.5 - Complaints Condition M7.1 - Other Monitoring Conditions							
Monitoring location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. Laq (15min)	min value dB (A) for month	max value dB (A) for month	goals / targets dB(A)
RTRF L1	1	Attended	Yes	Leq	50.2	50.2	75
RTRF L2	1	Attended	Yes	Leq	62.7	62.7	75
RTRF L3	1	Attended	Yes	Leq	62.4	62.4	75

Comments

RTRF L1: 6 Oaks St, Schofields.

Standard Hours. Works occurring included - Backfilling traction sub, prep and installation of platforms at stabling yard, backfilling bi owash, discharging basins, drainage works at Cudgegong carpark, CSR installation, pit reductions at stabling yard, bridge works on Tallawong road - installing crash barriers, street light piling, sandblasting. Background noise was the dominant noise source caused by nearby new housing/apartment development (drilling, hammering concreting) and chatting amongst their workers. Site noise within noise range, water cart refilling at the sediment basin during noise monitoring period.

RTRF L2: 5 Ridgeline Drive, The Ponds.

Standard Hours. Works occurring included - Backfilling traction sub, prep and installation of platforms at stabling yard, backfilling bi owash, discharging basins, drainage works at Cudgegong carpark, CSR installation, pit reductions at stabling yard, bridge works on Tallawong road - installing crash barriers, street light piling, sandblasting. Background noise was the dominant noise source including heavy traffic passing through Schofields Road and Ridgeline Drive, wildlife causing rustling noise in trees. Site noise was within noise range.

RTRF L3: 58 Tallawong Road (Road works and excavation occurring between 24-42 Tallawong Rd - No access)

Standard Hours. Works occurring included - Backfilling traction sub, prep and installation of platforms at stabling yard, backfilling bi owash, discharging basins, drainage works at Cudgegong carpark, CSR installation, pit reductions at stabling yard, bridge works on Tallawong road - installing crash barriers, street light piling, sandblasting. Site noise was the dominant noise source due to road works on Tallawong Road - excavating and digging between 24-42 Tallawong Road. Trucks and resident cars passing through Tallawong Road. Water cart was in use and non tonal reversing alarm could be heard from the excavator doing the road works. Mitigation measures included specific community notifications for these works.

WATER MONITORING DATA

Specific EPL licence monitoring conditions for water monitoring:

Condition L2 - Concentration Limits

Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
SB1	2	Yes	pH	pH	8.21	8.21	6.5	8.5
SB1	2	Yes	TSS	mg/L	20	30	0	50
SB2	2	Yes	pH	pH	8.08	8.32	6.5	8.5
SB2	2	Yes	TSS	mg/L	48	48	0	50

Comments

SB1 discharges on the 13th and 28th March 2017
 SB2 discharges on the 13th and 30th March 2017

VIBRATION MONITORING DATA

Specific EPL licence monitoring conditions for vibration monitoring:

Condition M6.5 - Complaints

Condition M7.1 - Other monitoring conditions

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

Comments

No vibration monitoring required at RTRF in March 2017.

AIR MONITORING DATA

Specific EPL licence monitoring conditions for air monitoring:

N/A

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

Comments

No air monitoring required at RTRF in March 2017.

CORRECTION LOG

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

Comments

No corrections required in March 2017

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

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

DETAILS		
Location: Showground Station	Month: March	Year: 2017

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

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

Comments No noise monitoring required at Showground in March 2017.
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WATER MONITORING DATA
Specific EPL licence monitoring conditions for water monitoring: Condition L2 - Concentration Limits Condition M2 - Requirement to monitor concentration of pollutants discharged

Monitoring location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter measured	Units of measurement (mg/L, NTU, pH)	Minimum value for month	Maximum value for month	Allowable minimum limit	Allowable maximum limit
SHG-A	1	Yes	pH	pH	7.2	7.2	6.5	8.5
SHG-A	1	Yes	TSS	mg/L	18	18	0	50
SHG-B	1	Yes	pH	pH	6.94	6.94	6.5	8.5
SHG-B	1	Yes	TSS	mg/L	12	12	0	50

Comments SHG-A and SHG-B discharges on the 13th March

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

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

Comments
 No vibration monitoring required at Showground in March 2017.

AIR MONITORING DATA

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

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

Comments
 No air monitoring required at Showground in March 2017.

CORRECTION LOG

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

Comments
 No corrections required in March 2017

EXCEEDANCES

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

Comments
 No exceedances in March 2017