

SPRINGVALE COLLIERY (includes Lambert's Gully mine)

Licence Non-compliances 2000 – 2015

Licence No. 3607

2014

Licence number: 3607

Annual Return Start: 01 Jan 2014

Annual Return End: 31 Dec 2014

Date Received: 02 Mar 2015

Licence Condition number	Type of non-compliance	EPA actions	No. of times occurred
L2.4	Minor exceedance of licence discharge limit for Arsenic, EC, Cu & turbidity at LDP 9 on several occasions.	EPA to monitor future compliance with this condition	1
L2.4	Minor exceedance of pH and TSS discharge limits at LDP 1.	EPA to monitor future compliance with this condition	1
M2.4	Samples not collected for several intermittent discharge flows from LDP6 due to minor nature of discharge (not sufficient enough to trigger automatic sampler). Processes are being put in place to increase focus on intermittent events.	Appropriate Action taken by licensee	1
L2.4	minor pH exceedance at licence discharge point 6	Appropriate Action taken by licensee	1

2013

Licence Condition number	Type of non-compliance	EPA actions	No. of times occurred
L2.4	Minor exceedances of pH, TSS, turbidity, total Aluminium, filtered arsenic, filtered copper and zinc concentration limits at various discharge points. EPA issued PIN for turbidity exceedance at LDP9 on 30 May 2013.	EPA to monitor future compliance with this condition	1
L3.1	The EPL flow limit through LDP6 was exceeded due to heavy rainfall.	EPA to monitor future compliance with this condition	1
M6.1	Community complaint in relation to noise of a dozer. The audible beeper was set on its highest setting of 112dba prior to complaint. Beeper was reduced to lowest level of 87dba. Neighbour advised the beeper is no longer detected.	EPA to monitor future compliance with this condition	1
M2	Oil & Grease sample was lost during transport to the laboratory by Contractor. Reminder to ACIRL staff to follow sampling protocols with grab samples.	EPA to monitor future compliance with this condition	1

2012

Licence Condition number	Type of non-compliance	EPA actions	No. of times occurred
L2.1	Exceed pH and TSS limits at EPA Points 1 and 6 (multiple). pH exceedances were due to failures in the pH dosing system during low/high flow (P1) and groundwater influence (P6). TSS exceedances followed heavy rainfall. EPA has issued Advisory Letter.	S.58 notice issued to change/amend licence conditions(s)	7
L3.1	Exceed discharge volume limits at various	S.58 notice issued to	12

	times to high intensity rainfall events in the area at EPA Point 6. EPA to vary licence to remove volume discharge limit.	change/amend licence conditions(s)	
M2.2	Not all monitoring requirements met due to no flows at time of inspection & contractor failing to take specific samples for oil & grease & fluoride. Sampling schedule reissued to contractor & monitoring to continue as per licence.	EPA has written to licensee regarding non-compliance and relevant action	3
M4.1	Daily evaporation was not recorded or calculated for the Springvale weather station during reporting period due to a new program not routinely calculating & recording data. The site monitoring contractor has been engaged to reprogram the station.	Appropriate Action taken by licensee	1
L2.1	Licence limits for oil and grease and total aluminium exceeded at emergency licence discharge point. Licensee is undertaking actions to improve performance at this new emergency discharge point.	S.58 notice issued to change/amend licence conditions(s)	8

2011

Licence Condition number	Type of non-compliance	EPA actions	No. of times occurred
L2.1	Exceed limit for pH at LDP001 during first quarter of reporting period. A pH dosing unit was commissioned on the 16 March 2011 to correct this matter.	EPA to monitor future compliance with this condition	16
L2.1	Water samples collected at LDP6 were outside of pH limit at LDP6 (6.5-8.5) on three occasions with readings of 6.16, 6.16 and 6.47.	Appropriate Action taken by licensee	3
L3.1	Daily discharge volume at LDP6 exceeded limit in Dec 2011. Probably anomalous results due to changeover from temporary data logger to new logger installation as part of a major upgrade. Old system will continue to operate to assess differences.	Appropriate Action taken by licensee	5
M2.2	Nickel (filtered) was analysed for LDP6 in January 2011, whereas Nickel (total) in discharge waters was required by the EPL on a monthly basis. A review identified oversight, laboratory advised & all subsequent samples correctly analysed.	Appropriate Action taken by licensee	1
M4.1	Weather Station data logger failed and was found to be unserviceable. A new unit was installed and a specialist contractor engaged to regularly inspect monitor and repair all data loggers on site.	Appropriate Action taken by licensee	1

2010 (Most Recent version)

Summary

Licence number: 3607

Annual Return Start: 01 Jan 2010

Annual Return End: 31 Dec 2010

Date Received: 03 Mar 2011

Licence Condition number	Type of non-compliance	No. of incidents
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L3.1	Exceedence of pH limit range at discharge point LDP001 and LDP006 during reporting period.	1
O2.1	Discharge of groundwater on Newnes Plateau from Springvale-Delta water pipe line following the dislodging of a hose fitting on a temporary water transfer pump. No environmental harm resulted.	1
M6.1	Sewage plant did not record data between 1/12/10 to 21/12/10 for LDP002 (volume of effluent discharged to utilisation area) as a result of datalogger power failure. Technical non-compliance - no environmental harm resulted.	1
O2.1	Weir structure at LDP6 not designed to manage maximum discharge volume. New weir to be installed to enable maximum flow without flooding. Technical non-compliance. No environmental harm resulted. Weir to be upgraded during 2011.	1
M7.1	Weather station did not record data between 7/12/10-19/12/10 on account of a power failure. Technical non-compliance - no environmental harm resulted.	1
L4.1	Daily volume limit exceeded at LDP6. Reported as result of significant rainfall over a number of days contributed to main dam overflowing with runoff from saturated surface catchments exited thru site.	1
M2.1	Failure to analyse several samples for iron, manganese, oil and grease and total suspended solids at LDP4 and LDP5, and analysed two water samples collected from LDP6 for dissolved nickel rather than total nickel as required by the licence.	1
L3.1	Exceedence of total suspended solids limits at discharge point 1, 6 and 7 following several days of heay rainfall.	1
U1.1	Works required to collect and reuse rainfall runoff works from Coal Washery area under PRP was not completed by licence due date due to substantial rainfall in Nov-Dec 2010.	1

2010 (original version)

Licence number: 3607

Annual Return Start: 01 Jan 10

Annual Return End: 31 Dec 10

Date Received: 03 Mar 11

Licence Condition number	Type of non-compliance	No. of incidents
L3.1	Exceedence of total suspended solids limits at discharge point 1, 6 and 7 following several days of heay rainfall.	6
L3.2	Exceedence of pH limit range at discharge point 1 during reporting period. Licensee misunderstood footnote to licence limit and noted this mistake at end of reporting period. Water treatment plant and further investigations are being implemented.	35
L4.1	Daily volume limit exceeded at LDP6 on account of significant rainfall over a number of 23 days contributed to main dam overflowing with runoff from saturated surface catchments exited thru site.	23
M2.1	Failure to analyse for 'weekly during discharge' analytes (iron, manganese, oil and grease and total suspended solids) at LDP4 and 5 during a short duration emergency discharge event.	1
M2.1	Licensee inadvertently analysed two water samples collected from LDP6 for dissolved 2 nickel rather than total nickel as required by the licence.	2
O2.1	Discharge of groundwater from Springvale-Delta water pipe line following the	1

	dislodging of a hose fitting on a temporary water transfer pump. No environmental harm resulted.	
O2.1	Sewage plant did not record data between 1/12/10 & 21/12/10 (application to utilisation area) as a result of datalogger power failure. Technical non-compliance - no environmental harm resulted.	1
O2.1	Weather station did not record data between 7/12/10-19/12/10 on account of a power failure. Technical non-compliance - no environmental harm resulted.	1
O2.1	Weir structure at LDP6 not designed to manage maximum discharge volume. New weir to be installed to enable maximum flow without flooding. Technical non-compliance. No environmental harm resulted. Weir to be upgraded during 2011.	1

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2009

Licence number: 3607
 Annual Return Start: 01 Jan 09
 Annual Return End: 31 Dec 09
 Date Received: 02 Mar 10

Licence Condition number	Type of non-compliance	No. of incidents
L3.1	Exceedance of suspended solids limit on 2 occasions due to turbid water from underground pumped to surface 'fire dam' which subsequently overflowed to LDP001. A water dosing plant was commissioned by Springvale Colliery in Sept 09 to fix turbidity	2
M2.1	Dust Gauge 4 Monthly dust sample not obtained July 09. Sample bottle missing presumed stolen.	1
M6.1	Failure to log daily discharge volumes. Daily water flow not monitored/recorded due to the solar panel's inability to provide sufficient battery voltage to a remote datalogger.	1

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2008

Licence number: 3607		
Annual Return Start: 01 Jan 08		
Annual Return End: 31 Dec 08		
Date Received: 02 Mar 09		
Licence Condition number	Type of non-compliance	No. of incidents
L1.1	Water overflow from gravity tank - non-licensed discharge	1
L3.1	Exceeded total suspended solids discharge limit on a number of occasions, though volume of water discharge at these times was very low.	6
L7.1	Minor exceedance of blast overpressure limits at Lamberts gully. Exceeded maximum 120 dB limit once, and 5.56% of blasts were over 115 dB (limit is 5%). Action taken by licensee to ensure future compliance. DECC to monitor future compliance.	2
M1.3	Failed to record all blast monitoring records as required by licence.	1
M2.1	Dust gauge not positioned correctly with regard to testing method AM-19	1
M2.1	Minor non-compliance. Conductivity readings at LDP1 were collected at an incorrect frequency (every 7 days vs every 5 days). DECC to review licence monitoring interval.	1
M2.1	Minor non-compliance. One sampling event not undertaken during an emergency discharge event.	1
M3.2	Samples sent to a testing laboratory that is non NATA accredited for certain analytes.	1

M6.1	failure to record volume of water discharge at discharge point 1 on 5Mar08 and point 2 6 on 3Jun08 due to failure of data logger.	2
R4.2, E3.5	Airblast overpressure exceedance report and one emergency discharge report submitted late. Minor non-compliance	2

2007

Licence number:	3607
Annual Return Start:	01 Jan 07
Annual Return End:	31 Dec 07
Date Received:	29 Feb 08

Licence Condition number	Type of non-compliance	No. of incidents
L3.3	Minor exceedance of TSS limits at discharge points 001 and 006. Minor exceedance of pH limit at point 001 on 16/10/07.	8
M2.1	Failure to collect a dust sample for June for dust gauges 1, 2, 4, & 5 due to gauges being broken.	1
M6.1	Failure to log daily discharge volume on 03/01/07, 04/01/07, 05/01/07 due to faulty monitoring probe.	3

2006

Licence number:	3607
Annual Return Start:	01 Jan 06
Annual Return End:	31 Dec 06
Date Received:	26 Feb 07

Licence Condition number	Type of non-compliance	No. of incidents
L3.1	monitoring condition M2.2 for filterable Mn concentration in receiving water exceeded those specified in the clean waters regulation 1972, schedule 2 for P class waterways	1
L3.1	monitoring condition M2.2 for filterable Mn concentration in receiving water exceeded those specified in the Clean Waters Regulation 1972, schedule 2 for P class waterways	3
L3.1	monitoring under condition M2.2 for Filterable Iron has shown the concentrations exceeded those specified in Clean Waters Regulation 1972, schedule 2 for C class waterways.	1
L3.1	Monitoring condition M2.2 for Filterable Mn concentration in receiving water exceeded those specified in Clean Waters Regulations 1972, schedule 2 for C class waterways.	1
L7.1(a)	air blast overpressure criteria of 115dB exceeded on four out of 42 blasts. this represents 9.52% of blasts and exceeds the limits of no more that 5% of blasts exceeding 115dB	4
M6.1	Daily monitoring required at LD1. Only 315 obtained. Period 12 Jan to 2 March not logged.	50
M6.1	Daily monitoring required. Only 212 obtained. Period 1 July to 30 Nov 2006 not logged.	153
M6.1	failure to provide data logger and to record data for discharge volumes	150

2005

Licence number:	3607
Annual Return Start:	01 Jan 05
Annual Return End:	31 Dec 05
Date Received:	01 Mar 06

Licence Condition number	Type of non-compliance	No. of incidents
L1.1	Unlicensed discharge from settling ponds on 4/10/05, and concentrations of Filterable Manganese discharged at LDP1, LDP4, LDP5, and LDP6, and Filterable Iron at LDP1 exceeded Clean Waters Reg.	15

L3.1	Pollutant concentration limits exceeded at LDP1 (TSS x 2/pH x 6); LDP4/5 (TSS x 2); LDP6 (TSS x 1); LDP9 (TSS x 2/ manganese x 1)	14
M6.1	Failed to monitor the volume of liquids discharged to effluent reuse area (LDP2)	365

2004

Licence number:	3607
Annual Return Start:	01 Jan 04
Annual Return End:	31 Dec 04
Date Received:	28 Feb 05

Licence Condition number	Type of non-compliance	No. of incidents
L3.1	licencee exceeded allowable pH difference from upstream to downstream at LDP001.	15
L3.1	Licencee exceeded Oil and Grease discharge from LDP001.	1
L3.1	Licencee exceeded pH variation at LDP06. Due to inappropriate Licence Condition. Action to write to DEc to remove licence condition.	1
L3.1	Licencee exceeded Total Suspended Solids as per licence at LDP04/0. Due to mine water discharge at LDP4/5 and fine kaolinite clay washing out of goaf in 408 longwall panel. Action to be taken includes a new pipelint to transfer water to Wallerwang.	5
L3.1	Licencee exceeded Total Suspended Solids limit at LDP009. Due to mine water discharge and fine kaolinite clay wahing from goaf in 408 longwall panel. Action consists of new pipeline to Wallerwang for waste water.	1
L3.1	Licensee exceeded Total Suspended Solids concentration at LDP001.	7
L4.1	Licensee exceeded volume limit of 100 kL per day at LDP006.	1
M2.2	Licencee exceeded limits for Filterable Manganese on 4 occasions, Iron on 2 occasions, and Selenium on 1 occasion.	7

2003

Licence number:	3607
Annual Return Start:	01 Jan 03
Annual Return End:	31 Dec 03
Date Received:	16 Feb 04

Licence Condition number	Type of non-compliance	No. of incidents
L3.1&L1.1	Greater than 0.5 pH unit variation in recieving waters during discharge from LD6	1
L3.1&L1.1	Filterable Magnanese and Filterable Iron concentrations exceeded those specified in Clean Waters Regulations Schedule 2 for Class C Waters from discharge from LD6.	1
L3.1&L1.1	Filterable Magnanese concentration exceeded those specified in Clean Waters Regulations Schedule 2 for Class C Waters from discharge from LD1	1
L3.1&L1.1	Filterable Magnanese , Filterable Iron , Chromium VI and Selenium concentrations exceeded those specified in Clean Waters Regulations Schedule 2 for Class C Waters from discharge from LD4/5	1

2002

Licence number:	3607
Annual Return Start:	01 Jan 02
Annual Return End:	31 Dec 02
Date Received:	10 Feb 03

Licence Condition number	Type of non-compliance	No. of incidents
L3.3	minor excedence of TSS limit	1

2000

Licence number: 3607
Annual Return Start: 01 Jan 00
Annual Return End: 31 Dec 00
Date Received: 21 Feb 01

Licence Condition number	Type of non-compliance	No. of incidents
1.1	Licensee failed to complete all of the data required for the annual return.	1
3.1	Licensee exceeded concentration limit conditions for pH, TSS monitoring points 1 and 4.	1
4.1	Licensee exceeded discharge limits for discharge and monitoring point 6.	1

SPRINGVALE COAL FINED \$15,000 BY THE EPA

Media release: 23 February 2015

Springvale Coal in Lidsdale has been fined \$15,000 by the NSW Environment Protection Authority (EPA). The Penalty Infringement Notice (PIN) was issued after Springvale Coal was found to have breached its environment protection licence when coal fines were discharged from the Springvale Colliery coal mine into a downstream wetland.

On September 12th 2014, Springvale Coal reported the incident to the EPA, as required by the reporting condition of their licence, the EPA then commenced an investigation including several site visits and the collection of samples.

Coal fines are the fine sediment, or silt like product, that drains from the coal and is then collected in sediment storage ponds.

The incident occurred when accumulated coal fines were being cleaned out of two storage ponds and the material placed back on the Run-Of-Mine pad. The exercise of removal is only undertaken when the ponds reach capacity and in this instance it had been more than 10 years since this had occurred.

The EPA has determined that there were several elements of poor management which contributed to the incident, such as a temporary pipe within the drainage channel becoming blocked, a failure to inspect and monitor the temporary pipeline during its placement, a failure to remove the pipe once it was no longer required and the careless placement of coal fines on the pad.

EPA's Regional Manager Central West, Richard Whyte, said in this instance the environmental impact on the wetland was minimal.

"Our investigation has found that the environmental harm was minimal mainly due to the fact that the coal fines were found not to be toxic to aquatic life.

"However this was a totally avoidable incident, particularly as this clean out operation was only occurring once in a decade.

"It is for this reason that the EPA has issued the Company with a \$15,000 fine for a breach of licence.

"The EPA also issued an Official Caution to Springvale Coal for water pollution. Clearly this operation was not managed well and the environment and the community suffered the impacts.

"This incident is a lesson to all companies to plan and manage similar operations with care and consideration of the potential risks to the environment," Mr Whyte said.

Penalty notices are just one of a number of tools the EPA can use to achieve environmental compliance, including formal warnings, licence conditions, notices and directions, mandatory audits, enforceable undertakings, legally binding pollution reduction programs and prosecutions.

For more information about the EPA's regulatory tools, see the EPA Compliance Policy <http://www.epa.nsw.gov.au/legislation/prosguid.htm>.

ENDS

PENALTY NOTICE 16 Feb 2015

Summary of Notice No: 3085776000

Organisation: SPRINGVALE COAL PTY LIMITED
Location: SPRINGVALE COLLIERY
CASTLEREAGH HIGHWAY , LIDSDALE, NSW, 2790
LGA: LITHGOW
Catchment: Hawkesbury
Issue date: 16 Feb 2015
Penalty Notice
Offence date: 12 Sep 2014
Legislation: Protection of the Environment Operations Act 1997 - 64(1)
Offence short title: Contravene condition of licence - Corporation

Licence conditions for pollution studies and reduction programs

Summary

Licence number: 3607
Title: Groundwater seepage interception system
Start date: 13 May 2013

Licence Condition

The licensee must design and implement a groundwater seepage recovery system at the [Coal Services](#) portion of the premises such that all major or significant groundwater seepages that would otherwise flow in to the site's dirty water system and discharge through LD6 are captured and recycled within the closed system of the coal washery's water supply. The licensee must design and implement the groundwater seepage interception system by 31 July 2013.

Licence conditions for pollution studies and reduction programs

Summary

Licence number: 3607
Title: Sediment dam storage capacities
Start date: 13 May 2013

Licence Condition

The licensee must undertake works at the [Centennial Coal Services site](#) to ensure that the Main Sediment Dam, the Stockpile Sediment Dam and the Washery Sediment Dam have the capacity to store a 95th percentile (56mm) 5 day rain event. These works must be completed by 9 May 2014.

The EPA will place a note under condition L2.4 stating that the water quality limits for licence discharge point 6 (LDP6) will not apply during a 95th percentile (56mm) 5 day rainfall event once the licensee has stated that all site sediment control dams have attained the appropriate storage specifications.

Licence conditions for pollution studies and reduction programs

Summary

Licence number: 3607

Title: Assessment of Settling Pond Performance

Start date: 01 Aug 2012

Licence Condition

The licensee must undertake a Pollution Study and Reduction Program to assess the performance of the settling ponds of the Springvale Water Transfer Scheme in reducing turbidity in order for the turbidity limit to be evaluated.

Completion date: A Report of the Assessment must be submitted to the EPA by 31 January 2013.

Licence conditions for pollution studies and reduction programs

Licence number: 3607

Title: Assessment of potential impacts of pollutants at LDP6

Start date: 01 Jan 2013

Licence Condition

At Point 6 (LDP6) the licensee must monitor (by sampling and obtaining results by laboratory analysis) the concentration each pollutant specified in Column 1 in the table below. The licensee must use the sampling method, units of measure and sample at the frequency as specified in the columns opposite each pollutant. The licensee shall continue to monitor for these pollutants at the upstream and downstream locations within Wangcol Creek as previously nominated. Following the collection of additional monitoring results up until 31 December 2013, the licensee must undertake an assessment of the pollutants detected in water discharged from the site via LDP6 in accordance with ANZECC water quality guidelines and provide this assessment to the Bathurst Regional Office of the EPA by 28 February 2014.

It is the EPA's intention to place water quality limits for these pollutants on all discharges via LDP6 based on the results of this assessment.

• Licence Variations

Notice Number 1126999

File Number LIC07/1083

Date 05-Jul-2011

NOTICE OF VARIATION OF LICENCE NO. 3607

BACKGROUND

A. SPRINGVALE COAL PTY LIMITED ("the licensee") is the holder of Environment Protection Licence No. 3607 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of a Scheduled Activity - Premises Based at CASTLEREAGH HIGHWAY, LIDSDALE, NSW.

B. The Environment Protection Authority (EPA) has amended the licence to remove all conditions associated with blasting following the cessation of mining operations at the Lamberts Gully open cut. The EPA has also made minor amendments to the completion dates for Pollution Reduction Programs U1.1.1(i) and U2.1 following a request from the licensee on 23 June 2011.

D. Pollution Reduction Program U3 has been added which formalises ongoing and proposed water quality improvement works at licensed discharge point 1.

E. These changes are detailed by this Notice.

• Notice Number 1114246

File Number LIC07/1083

Date 10-Sep-2010

NOTICE OF VARIATION OF LICENCE NO. 3607

BACKGROUND

A. SPRINGVALE COAL PTY LIMITED ("the licensee") is the holder of Environment Protection Licence No. 3607 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of Scheduled Activity - Premises Based at CASTLEREAGH HIGHWAY, LIDSDALE, NSW.

B. On 9 September 2009 the EPA varied the licence to include a pollution studies and reduction program for the investigation of elevated heavy metals in the discharge water at Lamberts Gully (licensed discharge point 6). In response, the licensee provided a report prepared by GHD Pty Limited dated 22 January 2010. The EPA reviewed the GHD report and provided comment back to the licensee in a letter dated 30 March 2010. The letter outlined what the EPA believed were appropriate discharge quality targets for Nickel, Zinc, and electrical conductivity, and requested confirmation as to what options the licensee intends to adopt to achieve these targets, and by when.

C. The licensee advised the EPA in a letter dated 26 April 2010 of a number of water management related actions it proposed to implement to address elevated metals and EC in the discharge from LDP6. The licensee also advised that it did not believe that there was sufficient data to determine discharge quality targets for the metals of interest at LDP6 which suggests that the licensee is not supportive of the targets nominated by the EPA in its letter of 30 March 2010.

D. By this notice, the EPA varies licence 3607 to include the actions proposed by the licensee as a pollution reduction program under condition U1. As the licensee is not supportive of the LDP6 discharge quality targets proposed by the EPA in its letter of 30 March 2010, the variation also includes a requirement (condition U2) that the licensee undertakes further investigation and report on what it believes are appropriate discharge quality targets for water discharged to Nuebecks Creek at LDP6.

E. The licence has also been varied to incorporate changes to monitoring requirements at licence discharge point 6.

▪ Notice Number 1103012; File Number 260803

Date 09-Sep-2009

NOTICE OF VARIATION OF LICENCE NO. 3607

BACKGROUND

A. SPRINGVALE COAL PTY LIMITED ("the licensee") is the holder of Environment Protection Licence No. 3607 ("the licence") issued under the *Protection of the Environment Operations Act 1997* ("the Act"). The licence authorises the carrying out of Scheduled Activity - Premises Based at CASTLEREAGH HIGHWAY, LIDSDALE, NSW.

B. Licence has been varied as an outcome of the licence review conducted by the EPA as required under s78 of the Act.

C. In addition, the EPA has also conducted a review (which included sampling in 2008 and 2009) of the distribution and concentrations of heavy metals in the waters of the upper Coxs River catchment above Lake Lyell. The review identified a number of elevated heavy metals in the discharge from Lamberts Gully. This included **nickel** at concentrations of between 120-140 µg/L, **zinc** at concentrations of between 110-120 µg/L, **aluminium** at 8.2 mg/L, **iron** at 2.7-7.0 mg/L and **manganese** at 2.6-3.3 mg/L. The ANZECC 2000 trigger value for nickel is 11.0 µg/L, zinc 8.0 µg/L, aluminium 0.055 mg/L, iron 0.3 mg/L and Manganese 1.9 mg/L. Results upstream and downstream of LD006 indicate LD006 is most likely elevating some metals in Neubecks creek.

D. By this notice, the EPA also varies licence 3607 to include licence condition U1 which requires the licensee to investigate heavy metals in the discharge from LD006 and to report back to the EPA on the findings of the investigations. The report should include options to treat or contain sources of elevated heavy metals in the discharge.

- 15 August 2007: temporary discharge of mine water in to the Wolgan River catchment in order to assess flow characteristics. The proposal is to discharge at a rate of 10 ML/day for a period of up to 3 days and a second discharge of 2 ML/day for a period of up to 7 days.
- 19 April 2006: the addition of two (2) emergency groundwater discharge points to be used in the event that there is a failure in the overland mine discharge water pipeline running from Springvale Colliery to Wallerawang Power Station. The 2 discharge points are to be located at the former licensed discharge points LD4 and LD 5 located in the headwaters of the Wolgan River in the Newnes State Forest.
- 29 September 2005: emergency discharge point (LDP 09) on licence 3607 be removed as no longer required and condition U1 of licence 3607 "Dewatering Option Study" be removed as it was completed by 1 June 2005.
- 28 September 2004: temporary (6 mth) additional emergency discharge point to unnamed tributary of Wolgan catchment to enable licensee to discharge water which is flooding mine underground workings. The discharge will initially be at maximum 3.5 ML/day for up to one month to remove current accumulated flooding, and after at rate dependant on mine water make, until such time as pipeline to existing discharge point(s) to Wolgan R is in place. EPA has assessed application and determined the impact from the discharge, as sought by the variation, would not result in a significant increase in the environmental impact of the activity (*bullshit*) authorised by environment protection licence 3607 as Wolgan catchment is already impacted by existing mine water discharges from Springvale coal, the discharge will need to comply with Schedule 2 of the NSW Clean

Waters Regulation 1972, and the proposed discharge will only be short term until the pipeline to the existing discharge point(s) is installed, and ultimately the pipeline to Wallerawang power station is installed.

- 30 October 2003: variation requested is to permit construction of an overland coal conveyor to Wallerawang Power Station for which the EPA previously issued General Terms of Approval for (Notice No. 1020914).
- 17 March 2003: variation of licence to enable works on a ventilation shaft for the Springvale Colliery for which the EPA has issued General Terms of Approval (Notice No. 1022966 issued on 17 December 2002).