

Environmental Assessment

NSW Train Support Facility

Property:
Maitland Road, Hexham

Applicant:



Date:
16 November 2012

Project No.:
37417

Volume 1

Document Control

Issue No.	Date	Author	
		Name	Reviewed
A	4/04/12	Craig Marler/John Meggitt	Original Signed
B	17/05/12	Craig Marler/John Meggitt	Original Signed
C	15/06/12	Craig Marler / Mat Radnidge	Craig Marler
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Subject Land:

Lot 1	DP 128309
Lot 101	DP 1084709
Lot 102	DP 1084709
Lot 2	DP 735456
Lot 10	DP735235
Lot 104	DP 1084709
Lot 113	DP 755232
Lot 1	DP 155530
Lot 12	DP 1075150
Lot 1	DP1062240
Lot 311	DP 583724

Certificate: I certify that I have prepared the content of this Environmental Assessment and to the best of my knowledge it is in accordance with the Environmental Planning and Assessment Act and Regulation and is not false or misleading.



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Glossary and Abbreviations

AADT	Annual Average Daily Traffic.
ABS	Australian Bureau of Statistics.
ACM	Asbestos Containing Material.
ACHMP	Aboriginal Cultural Heritage Management Plan.
ADG	Australian Dangerous Goods.
ADWJ	ADW Johnson Pty Ltd.
AEP	Annual exceedance probability – the chance of a flood of a given or larger size occurring in any one year, usually expressed as a percentage. E.g., if a peak flood discharge of 500m ³ /s has an AEP of 5%, it means that there is a 5% chance (that is one-in-20 chance) of a 500m ³ /s or larger events occurring in any one year.
AHD	Australian Height Datum.
AMBS	Australian Museum Business Services
APZ	Asset Protection Zone.
ARI	Average Recurrence Interval – the long-term average number of years between the occurrence of a flood as big as or larger than the selected event. E.g., floods with a discharge as great as or greater than the 20 year ARI flood event will occur on average once every 20 years. ARI is another way of expressing the likelihood of occurrence of a flood event.
ARTC	Australian Rail Track Corporation.
AS	Australian Standard.
ASSMAC	Acid Sulphate Soils Management Advisory Committee.
Ballast	Crushed rock or stone upon which rail sleepers will sit.
BCA	Building Code of Australia.
CEMP	Construction Environmental Management Plan.
CMA	The Hunter-Central Rivers Catchment Management Authority.
CTGM	Chichester Trunk Gravity Main.
DA	Development Application.
DECC	Department of Environment and Climate Change (former name of NSW Office of Environment and Heritage).
Dewatering	Removal or draining of surface water or groundwater from construction site including excavations.
DG	Director-General.
DGR	Director-General's Requirements for the Environmental Assessment.
Down Coal	The Down Coal is the primary coal rail line that coal trains usually traverse when they are heading away from Newcastle Port and is usually positioned on the right when facing towards Newcastle.
Down Main	The Down Main is the side of the track on which trains travel when they are heading away from Sydney and is usually positioned on the right when facing towards Sydney.
DP	Deposited Plan.
DP&I	Department of Planning & Infrastructure.
EA	Environmental Assessment.
EEC	Endangered Ecological Community.
EMP	Environmental Management Plan.
EP&A Act	Environmental Planning and Assessment Act 1979.
EPA	NSW Environment Protection Authority.

EPBC Act	Environmental Protection and Biodiversity Conservation Act 1999.
ESD	Ecologically Sustainable Development.
Gablon	Cages, cylinders, or boxes filled with rocks, concrete or sand and soil.
GDE	Groundwater Dependent Ecosystem – ecosystems partially or entirely dependent on underground water.
Genset	A machine to generate electricity.
GHG	Greenhouse Gases.
GNR	Great Northern Railway (also known as the Main Northern Railway).
GPT	Gross Pollutant Trap
HRR	ARTC Hexham Relief Roads Project.
HVCCC	Hunter Valley Coal Chain Coordinator Limited.
HWC	Hunter Water Corporation.
INP	Industrial Noise Policy.
KCT	Kooragang Coal Terminal.
LA1	The noise level exceeded for 1% of the 15 minute interval.
LA10	The noise level exceed for 10% of the 15 minute interval. This is commonly referred to as the average maximum noise level.
LA90	The noise level exceeded for 90% of the sample period. This noise level is described as the average minimum background sound level (in the absence of the source under consideration), or simply the background level.
LAeq	The A-weighted equivalent noise level (basically the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time varying sound.
LGA	Local Government Area.
LHRS	Lower Hunter Regional Strategy.
MSB	Mine Subsidence Board.
Mainline	Main Railway Line
mtpa	Million tonnes per annum.
NCC	Newcastle City Council.
NCIG	Newcastle Coal Infrastructure Group.
Newcastle LEP	Newcastle City Council Local Environmental Plan 2003.
NPWS	NSW National Parks and Wildlife Act 1974.
NSW	New South Wales.
OEH	Office of Environment & Heritage.
PAD	Potential Archaeological Deposit.
PASS	Potential Acid Sulphate Soil.
PCD	Potential Cultural Deposit.
PMF	Probable Maximum Flood – the PMF is the largest flood that could conceivably occur at a particular location, usually estimated from probable maximum precipitation, and where applicable, snow melt, coupled with the worst flood producing catchment conditions. Generally, it is not physically or economically possible to provide complete protection against this event. The PMF defines the extent of flood prone land, that is, the floodplain.
Project Area	The Project Area captures the area where all works associated with the proposed TSF will be undertaken.
PWCS	Port Waratah Coal Services.

RAP	Remedial Action Plan.
Relief Road	A rail line that runs parallel with the Up Coal. A Relief Road usually provides a passing facility enabling trains to pass those traversing or stationary on the Up Coal thus giving relief to the Up Coal operations. A Relief Road can also allow trains to remain stationary off the Up Coal allowing trains to continue to traverse the Up Coal.
RFS	New South Wales Rural Fire Service.
RL	Relative Level.
RMS	Roads and Maritime Services.
SEPP	State Environmental Planning Policy.
SEPP 14	State Environmental Planning Policy No. 14 – Coastal Wetlands.
SEPP 33	State Environmental Planning Policy No. 33 – Hazardous and Offensive Development.
SEPP 71	State Environmental Planning Policy No. 71 – Coastal Protection.
SEPP State and Regional Development	State Environmental Planning Policy (State and Regional Development) 2011.
SEWPAC	Commonwealth Department of Sustainability, Environment, Water, Population and Communities.
Spoil	Excess rock and/or earth material resulting from excavation activities.
Study Area	The study area is an area that is necessary for a technical specialist to undertake and complete an assessment of the proposed Project and varies in size depending on the discipline.
SWMP	Stormwater Management Plan.
The Site	A 255ha study area at Hexham within the Newcastle City Council local government area.
TSC Act	NSW Threatened Species Conservation Act 1995.
TSF	Train Support Facility.
TSF Footprint	The TSF footprint (38ha) is the area in which the proposed project would operate and be constructed.
Turnout	A rail track component that connects two railway tracks. The turnout comprises a length of straight track and a section of curved track that joins the straight track. The curved track includes a moveable section of track. The moveable section is adjusted to allow a train to travel from the curved track to the straight track.
Up Coal	The Up Coal is the primary coal rail line that coal trains usually traverse when they are heading toward Newcastle Port and is usually positioned on the left when facing towards Newcastle.
Up Main	The Up Main is the primary (main) rail line that trains usually traverse when they are heading toward Sydney and is usually positioned on the left when facing towards Sydney.
UTM	Unit Train Maintenance.