

TEP MAN17780 PROGRAM OF WORKS - ACTION 'CLOSE OUT' TIMELINE						
PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 1: Prevent unauthorised releases from the worked water management system	1	Complete construction & commissioning of decant system from Return Water Dam to Worked Water Dam. Due Date: 30 June 2014	To avoid the Return Water Dam overtopping and risk arising from interim pipe & pump infrastructure put in place to mitigate the risk of overtopping the Return Water Dam. The decant pipe will be a fit-for-purpose, RPEQ designed & appropriately constructed permanent structure. This component of the worked water management system will enable rapid, passive transfer of water from the Return Water Dam to the Worked Water Dam (which has a larger storage capacity) to manage greater inputs reporting to the Return Water Dam during rain events. The decant pipe will be suitably sealed & buried below Thirty Mile Creek - South Arm Diversion. This will eliminate the requirement for temporary pumps at the Return Water Dam & surface pipelines through the creek to manage wet weather.	Designs will be risk assessed & change management will be completed. Risk assessments will be completed for the construction phase to address & control potential environmental risks associated with construction through application of appropriate environmental & engineering standards for disturbance in a watercourse & dam construction. As build will be certified by an RPEQ.	14.10.2013 - GHD Construction Drawings approved 17.04.2014 - GHD Form of Certification - Construction obtained (RPEQ: 11873). 25.06.2014 - GHD completed Construction of the Return Water Dam Decant Structure and Pipeline Report 26.06.2014 - Site submit evidence to DEHP that Action #1 is complete. 27.06.2014 - DEHP acknowledge completion of Action #1 by required date and GHD Report containing construction report, drawings and certification documents.	CB-ENV-TEP-0038 GHD Report & Certification 457551 - As Constructed Drawings CB-ENV-TEP-0039 Report & Certification 457551 - Construction Certification CB-ENV-TEP-0040 Construction Report & Certification 457551 - Report CB-ENV-TEP-0050 Decant Ops Plan (2014)
	2	Install automatic water level gauging station in Return Water Dam. Due Date: 31 August 2014	A Return Water Dam automatic water level gauging station connected to the site telemetry system will enable remote monitoring of the dam water level. Dam levels can be monitored more frequently & system will provide alerts & pre-established trigger levels to enable timely execution of Trigger Action Response Plans (TARPs), with triggers relating to water levels, to prevent the dam overtopping under normal operating conditions due to return inputs from the Co-disposal system & other inputs. It will also assist with proactive preparations for rain events.	There is no risk of environmental harm in undertaking this activity as disturbance will be negligible & will be undertaken within the contained area of the dam. Appropriate standards will be applied in system selection, installation & operation. Gauging station levels to be calibrated against survey RLs prior to wet season each year to verify accuracy of level sensor.	18.12.2013 - Installation of RWD Gauging Stations commenced 09.07.2014 - Automatic water level gauging station in Return Water Dam installed 09.07.2014 - Site submitted evidence that Action #2 is complete. xx.xx.xxxx - DEHP unable to locate date that Action #2 was acknowledged for completion by required date.	CB-ENV-TEP-0047 RWD Gauging Station Installation JSA) CB-ENV-TEP-0041 RWD Gauging Station Photographs LF 20140709 CB-ENV-TEP-0042 RWD Telemetry Screen Shots LF 20140709).
	3	Develop risk assessment or standard for pipes in watercourses or pipes at risk of spilling to watercourses. Due Date: 30 September 2014	To manage the risk of leaks from pipes within watercourses or areas at risk of spilling to watercourses. Due to the proximity of operational areas to watercourses & the location of operational areas on either side of watercourses, there remains a need to position pipes within & near to watercourses. A risk assessment/standard for pipes in or at risk of spilling to watercourses will ensure there is a prompt to consider the risks associated with positioning pipes in these sensitive areas & ensuring there are suitable controls in place to address the risks. This will reduce the potential for spills resulting from inadequate materials or installation & improper maintenance or operation.	There is no risk of environmental harm - administrative task only.	28.08.2014 - Risk assessment completed for pipes across creeks 29.08.2014 - Site submitted evidence to DEHP that Action #3 is complete. 29.08.2014 - DEHP acknowledge completion of Action #3 by required date.	CB-ENV-TEP-0043 WRAC Pipes Across Creeks CB-ENV-TEP-0044 WRAC Pipes Process Review
	4	Review tailings pipelines inspection & maintenance processes. Due Date: 30 September 2014	To address the risk of leaks from pipes within watercourses or areas at risk of spilling to watercourses. Due to the proximity of operational areas to watercourses & the location of operational areas on either side of watercourses, there remains a need to position pipes within & near to watercourses. A risk assessment/standard for pipes in or at risk of spilling to watercourses will ensure there is a prompt to consider the risks associated with positioning pipes in these sensitive areas & ensuring there are suitable controls in place to address the risks. This will reduce the potential for spills resulting from improper maintenance.	There is no risk of environmental harm - administrative task only.	21.08.2014 - Coppabella Co-Disposal QA; Pipe inspection job sheet reviewed 21.08.2014 - Coppabella Co-Disposal line critical measurement; Thickness testing field sheet reviewed 21.08.2014 - Coppabella Co-Disposal thickness testing template; Thickness testing summary sheet reviewed 28.08.2014 - Pipes Process Review for Coppabella Mine WRAC Risk Assessment signed off by Copabella General Manager 29.08.2014 - Site submitted evidence via email and associated attachments to DEHP that Action #4 is complete. 29.08.2014 - DEHP acknowledge completion of Action #4 by required date.	CB-ENV-TEP-0001 Coppabella Co Disposal QA; Pipe Inspection Job Sheet CB-ENV-TEP-0002 Coppabella Co-Disposal Lines Critical Measurement CB-ENV-TEP-0003 Coppabella Mine Co Disposal Thickness Test Template CB-ENV-TEP-0044 WRAC Pipes Process Review CB-ENV-TEP-0045 COP-SH-SOP 04.11.16 - Pump Operation
	5	Review pump operation procedure & train relevant personnel. Due Date: 30 September 2014	To address the risk of leaks from pipes within watercourses or areas at risk of spilling to watercourses. Due to the proximity of operational areas to watercourses & the location of operational areas on either side of watercourses, there remains a need to position pipes within & near to watercourses. This will address improper operation of pump infrastructure.	There is no risk of environmental harm - administrative task only.	29.08.2014 - Pump Operation procedure reviewed 29.08.2014 - Pump Training Form 29.08.2014 - Site submitted evidence via email and associated attachments to DEHP that Action #5 is complete. 29.08.2014 - DEHP acknowledge completion of Action #5 by required date.	CB-ENV-TEP-0045 COP-SH-SOP 04.11.16 - Pump Operation CB-ENV-TEP-0004 COP-SH-SOP 04.11.16 Training sheet

PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 1: Prevent unauthorised releases from the worked water management system	6	Upgrade co-disposal western toe-drain. Due Date: 31 October 2014	To address the risk of spills from the co-disposal western toe-drain, the drain will be upgraded to improve the drainage channel, improve water flow within the channel & improve visibility & access for inspections & maintenance. This will enable more effective visual monitoring of drain condition & water levels through improved accessibility.	No additional risk of environmental harm as this drain can be isolated if major earthworks are required. Risk assessments will be completed for the construction phase to address & control potential environmental risks associated with construction through application of appropriate environmental & engineering standards.	06.09.2014 - Co-Disposal Western Toe Drain upgraded (including desilting, new drainage channel away from the toe and a competent access road). 26.09.2014 - Site submitted evidence to DEHP that Action #6 is complete. 07.10.2014 - DEHP acknowledge completion of Action #6 by required date.	CB-ENV-TEP-0048 Toe Drain Photo log
	7	Upgrade co-disposal delivery pipes in critical risk (spill to watercourse) areas with alternative pipe materials or secondary containment controls. Due Date: 31 October 2014	To address the risk of leaks from pipes within watercourses or areas at risk of spilling to watercourses. Due to the proximity of operational areas to watercourses & the location of operational areas on either side of watercourses, there remains a need to position pipes within & near to watercourses. Use of more robust pipe material for co-disposal delivery pipes or secondary containment system for spills in critical risk (spill to watercourse) areas will reduce the potential of spills into watercourses.	Change management will be completed. Risk assessments will be completed for the construction phase to address & control potential environmental risks associated with construction through application of appropriate environmental & engineering standards for disturbance in a watercourse & pipe installation.	21.08.2014 - Coppabella Co-Disposal QA; Pipe inspection job sheet reviewed 21.08.2014 - Coppabella Co-Disposal line critical measurement; Thickness testing field sheet reviewed 21.08.2014 - Coppabella Co-Disposal thickness testing template; Thickness testing summary sheet reviewed 25.09.2014 - Installation of Ultra High Molecular Weight Polyethylene (UHMWPE) through critical areas from the CHPP to the Co-Disposal in accordance with Risk Assessment 28.08.2014 - Installing Pipes Across Creeks WRAC Risk Assessment signed off by Coppabella General Manager 26.09.2014 - Site submitted evidence to DEHP that Action #7 is complete. 07.10.2014 - DEHP acknowledge completion of Action #7 by required date	CB-ENV-TEP-0001 Coppabella Co Disposal QA; Pipe Inspection Job Sheet CB-ENV-TEP-0002 Coppabella Co-Disposal Lines Critical Measurement CB-ENV-TEP-0003 Coppabella Mine Co Disposal Thickness Test Template CB-ENV-TEP-0006 Upgrade to UHMWPE pipe Photo log CB-ENV-TEP-0043 WRAC Pipes Across Creeks
	8	Upgrade co-disposal eastern toe-drain. Due Date: 31 October 2016	To address the risk of spills from the co-disposal eastern toe-drain, the drain will be upgraded to improve the drainage channel, improve water flow within the channel & improve visibility & access for inspections & maintenance. This will enable more effective visual monitoring of drain condition & water levels through improved accessibility.	No additional risk of environmental harm as this drain can be isolated if major earthworks are required. Risk assessments will be completed for the construction phase to address & control potential environmental risks associated with construction through application of appropriate environmental & engineering standards.	06.09.2014 - Co-Disposal Eastern Toe Drain upgraded - including desilting, new drainage channel away from the toe and a competent access road 26.09.2014 - Site submitted evidence to DEHP that Action #8 is complete. 07.10.2014 - DEHP acknowledge completion of Action #8 by required date.	CB-ENV-TEP-0048 Toe Drain Photo log
OBJECTIVE 2: Update Environmental Authority to include the new standard dam conditions & specifically implement condition F12 under the new conditions.	9	Submit to the administering authority an EA amendment application to list regulated dams & introduce the model conditions for dams. Due Date: 31 October 2014	Dams that have been identified as high or significant hazard will be listed in the EA & EA conditions will align with current standard.	There is no risk of environmental harm - administrative task only. Amendment will elevate Environmental Authority dams obligations to current accepted standard conditions.	03.09.2014 - EA Amendment application to list regulated dams and introduce the model conditions for dams submitted to the Administering Authority 26.09.2014 - Site submitted evidence to DEHP that Action #9 is complete. 07.10.2014 - DEHP acknowledge completion of Action #9 by required date.	CB-ENV-TEP-0007 EA Amendment Submission - Dams
	10	Revise Operating Plan for Co-disposal & submit plan to the administering authority. Due Date: 31 October 2014	Will comply with F11 for the Co-disposal as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	08.08.2014 - Operating Plan for Co-Disposal revised. 26.09.2014 - Site submitted evidence to DEHP that Action #10 is complete. 07.10.2014 - DEHP acknowledge completion of Action #10 by required date.	CB-ENV-TEP-0005 CDA Operational Plan V4 SIGNED
	11	Geotechnical assessment (including seepage) of Co-disposal as a regulated structure. Due Date: 31 December 2014	This will provide recommendations for the Co-disposal & will assist with operational planning.	This will be a desktop exercise with no risk of environmental harm. If field investigations are deemed necessary, activities will be risk assessed to control potential environmental risks associated investigations. Works will be completed to appropriate environmental & engineering standards.	11.11.2014 - Completed Draft of Geotechnical assessment 20.11.2014 - Site submitted evidence to DEHP that Action #11 is complete. xx.xx.xxxx - DEHP unable to locate date that Action #11 was acknowledged for completion by required date.	CB-ENV-TEP-0008 CDA Eastern Buttress Certified Design
	12	Revise Operating Plan for Return Water Dam & submit plan to the administering authority. Due Date: 31 March 2015	Will comply with F11 for the Return Water Dam as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	18.07.2014 - Operating Plan for Return Water Dam revised 27.02.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #12 is complete. xx.xx.xxxx - DEHP unable to locate date that Action #12 was acknowledged for completion by required date.	CB-ENV-OPP-0001 Return Water Dam Operational Plan
	13	Revise Operating Plan for Worked Water Dam & submit plan to the administering authority. Due Date: 31 May 2015	Will comply with F11 for the Worked Water Dam as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	24.02.2015 - Operating Plan for Worked Water Dam revised 21.04.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #13 is complete. 21.04.2015 - DEHP acknowledge completion of Action #13 by required date.	CB-ENV-TEP-0010 Regulated Structures Register and Operation Plans V3

PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 2: Update Environmental Authority to include the new standard dam conditions & specifically implement condition F12 under the new conditions.	14	Revise Operating Plan for Run Of Mine (ROM) Dam & submit plan to the administering authority. Due Date: 31 July 2015	Will comply with F11 for the ROM Dam as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	24.02.2015 - Operating Plan for Run of Mine (ROM) dam revised 21.04.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #14 is complete. 21.04.2015 - DEHP acknowledge completion of Action #14 by required date.	CB-ENV-TEP-0010 Regulated Structures Register and Operation Plans V3 (2015)
	15	Revise Operating Plan for Product Stockpile Dam & submit plan to the administering authority. Due Date: 31 August 2015	Will comply with F11 for the Product Stockpile Dam as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	24.02.2015 - Operating Plan for Product Stockpile Dam revised and approved by Coppabella General Manager. 30.07.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #15 is complete. 03.08.2015 - DEHP acknowledge completion of Action #15 by required date.	CB-ENV-TEP-0010 Regulated Structures Register and Operation Plans V3 (2015)
	16	Revise Operating Plan for North Arm Levee & submit plan to the administering authority. Due Date: 30 September 2015	Will comply with F11 for the North Arm Levee as an operating plan will be in place.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	24.02.2015 - Operating Plan for North Arm Levee revised 27.08.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #16 is complete. 27.08.2015 - DEHP acknowledge completion of Action #16 by required date.	CB-ENV-TEP-0010 Regulated Structures Register and Operation Plans V3 (2015)
OBJECTIVE 3: Mitigate seepage impacts in Thirty Mile Creek from the Co-disposal & Return Water Dam system	17	Revise operating & maintenance plan for Co-disposal toe-drain. Due Date: 31 October 2014	The Co-disposal toe-drain operating & maintenance plan will set clear triggers to initiate desilting works, will specify role responsibilities & will prescribe the inspection & routine maintenance schedule to enable early identification & rectification of issues to prevent escalation of risk.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selecting operational criteria, maintenance & inspection requirements.	19.09.2014 - Operating Plan for Co-Disposal revised - includes maintenance. 26.09.2014 - Site submitted evidence to DEHP that Action #17 is complete. 07.10.2014 - DEHP acknowledge completion of Action #17 by required date.	CB-ENV-TEP-0011 CDA operational manual V2
	18	Topsoil & seed (targeting salt tolerant species) Co-disposal seepage section of Thirty Mile Creek South Arm Diversion. Due Date: 31 December 2014	The South Arm Diversion is scheduled for topsoiling & revegetation in 2014 to provide erosion protection. The selection of salt tolerant species in this area will provide greater opportunity for successful plant establishment which is expected to assist with drawing down potential saline seepage.	Risk assessments will be completed for these activities to address & control potential environmental risks associated with disturbance in a watercourse. A Permit to Disturb will be issued for the activity which will include permit conditions to manage potential impacts within the watercourse. Topsoiling & revegetation activities will be undertaken by suitably qualified & experienced, professional contractors.	21.11.2014 - Permit to Disturb approved 21.11.2014 - Assessment of disturbance in a watercourse 21.11.14 -JSA conducted 18.12.2014 - South Arm Diversion Revegetation Plan (Revegetation of Co-Disposal seepage section in Thirty Mile Creek South Arm Diversion) and monitoring report prepared. 18.12.2014 - Site submitted evidence via email and associated attachments to DEHP that Action #18 is complete. 18.12.2014 - DEHP acknowledge completion of Action #18 by required date.	CB-ENV-TEP-0013 Permit to Disturb South Arm Diversion CB-ENV-TEP-0014 Self Assessment - Activities in a Watercourse CB-ENV-TEP-0015 Revegetation Soak Areas JSA CB-ENV-TEP-0012 South Arm Diversion Revegetation - Monitoring Plan CB-ENV-TEP0016 Seed Mix photo_1 CB-ENV-TEP-0017 Seed Mix photo_2 CB-ENV-TEP-0018 Seed Mix photo_3 CB-ENV-TEP-0019 Finished Rip and Seed SAD photo_1 CB-ENV-TEP-0020 Finished Rip and Seed SAD_2
	19	Commence a 2 year monitoring program to review effectiveness of revegetation in mitigating seepage impacts. Due Date: 31 January 2015	This will be implemented as a monitoring measure under the TEP to verify effectiveness of revegetation. This has been capture as an action in the program of works to ensure the monitoring program remains a priority action under the TEP.	There is no risk of environmental harm associated with monitoring which will be largely based on visual observations. Appropriate standards will be applied in developing the monitoring program & in undertaking monitoring & recording.	18.12.2014 - Baseline Monitoring commenced for the South Arm Diversion revegetation plan 18.12.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #19 is complete. 18.12.2015 - DEHP acknowledge completion of Action #19 by required date 03.04.2017 - Coppabella South Arm Diversion Saline Seepage Monitoring Report (2017) prepared.	CB-ENV-TEP-0012 South Arm Diversion Revegetation - Monitoring Plan CB-ENV-TEP-0022 Saline Seepage Management Report, 2017
	20	Co-disposal toe-drain operating & maintenance plan implemented. Due Date: 31 October 2015	Implementation of the Co-disposal toe-drain operating & maintenance plan will enable early identification & rectification of issues to prevent escalation of risk. Maintaining the drainage channel to enable free-flow of water rather than ponding is expected to reduce the opportunity for seepage to occur.	No additional risk of environmental harm as this drain can be isolated if major earthworks are required. Potential risks will be considered in development of the plan to ensure operating criteria & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	24.02.2015 - Regulated Structures Register and Operation Plans V3 prepared. 27.08.2015 - Installation of two (2) new toe drains as part of the CDA Western Extension Project 27.08.2015 - Site submitted evidence via email and photo log to DEHP that Action #20 is complete. 27.08.2015 - DEHP acknowledge completion of Action #20 by required date.	CB-ENV-TEP-0010 Regulated Structures Register and Operation Plans V3 CB-ENV-TEP-0022 CDA Toe Drain Installation Photo Logs
	21	Submit seepage mitigation monitoring report to administering authority. Due Date: 30 April 2017	Provides evidence to DEHP that the above actions have been effective.	There is no risk of environmental harm - administrative task only.	03.03.2017 - Coppabella South Arm Diversion Saline Seepage Monitoring Report complete. 03.04.2017 - Site submitted evidence via email and associated attachments to DEHP that Action #21 is complete. 03.04.2017 - DEHP acknowledge completion of Action #21 by required date.	CB-ENV-TEP-0023 Saline Seepage Management Report

PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 4: Implement area specific Erosion & Sediment Control Implementation Plans for the 5 key risk target areas to comply with the site Erosion & Sediment Control Plan (ESCP)	22	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the Main Haul Road Thirty Mile Creek crossing. Due Date: 30 August 2014	Run off from the main haul road in this location has the potential to flow directly into Thirty Mile Creek. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality. This will also address improvements required to separate worked water & surface water catchments in this area.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	21.07.2014 - Coppabella Mine Haul Road, Thirty Mile Creek Crossing - Erosion and Sediment Control Implementation and Monitoring Plan developed 21.07.2014 - Site submitted evidence via email and associated attachments to DEHP that Action #22 is complete. xx.xx.xxxx - DEHP unable to locate date that Action #22 was acknowledged for completion by required date.	CB-ENV-TEP-0024 ESCP Main Haul Road Thirty Mile Creek Crossing Implementation Plan CB-ENV-TEP-0025 ESCP Main HR 30M Creek Proposed Works).
	23	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the High-Wire Road - F-Dump drainage area. Due Date: 30 November 2014	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary, railway line & highway. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	31.10.2014 - Erosion and Sediment Control Implementation Plan (including maintenance and inspections) developed for High Wire Road - F Dump drainage areas 31.10.2014 - Site submitted evidence via email and associated attachments to DEHP that Action #23 is complete. 31.10.2014 - DEHP acknowledge completion of Action #23 by required date.	CB-ENV-TEP-0026 ESCP High wire road - F Dump
	24	Implement erosion & sediment controls as per the Main Haul Road Thirty Mile Creek crossing ESC Implementation Plan. Due Date: 31 December 2014	Run off from the main haul road in this location has the potential to flow directly into Thirty Mile Creek. Implementation of the area specific ESC Implementation Plan will prevent surface runoff from the haul road directly entering the creek as the flow will be diverted to sediment control structures. This is expected to address the issue of material deposition downstream by capturing sediment in sediment controls on the mine lease.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to Thirty Mile Creek if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	11.11.2014 - Completion Report finalised for the Main Haul Road Thirty Mile Creek crossing as per the Erosion and Sediment Control implementation plan 11.11.2014 - New Erosion and Sediment Control format implemented for inspections 20.11.2014 - Site submitted evidence to DEHP that Action #24 is complete. xx.xx.xxxx - DEHP unable to locate date that Action #24 was acknowledged for completion by required date.	CB-ENV-TEP-0027 ESCP Completion Report
	25	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the CHPP area. Due Date: 30 April 2015	Runoff from this area has the potential to flow directly into Thirty Mile Creek. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	24.03.2015 - Erosion and Sediment Control Implementation Plan (including maintenance and inspections) developed for the CHPP Area 25.03.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #25 is complete. 25.03.2015 - DEHP acknowledge completion of Action #25 by required date.	CB-ENV-TEP-0029 ESCP CHPP Area Mar 2015
	26	Implement erosion & sediment controls as per the High-Wire Road - F-Dump drainage area ESC Implementation Plan. Due Date: 30 June 2015	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary, railway line & highway. Implementation of the area specific ESC Implementation Plan will enable surface run off to pass through sediment controls, effectively preventing sediment laden water from leaving the lease boundary & impacting adjacent infrastructure & property.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to the lease boundary if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	29.05.2015 - Report prepared on the status of erosion and sediment controls as per the Coppabella ESC Implementation Plan for the High-Wire Road - F Dump drainage area 29.05.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #26 is complete. 29.05.2015 - DEHP acknowledge completion of Action #26 by required date.	CB-ENV-TEP-0030 ESC Implementation Highwire Rd Fdump

PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 4: Implement area specific Erosion & Sediment Control Implementation Plans for the 5 key risk target areas to comply with the site Erosion & Sediment Control Plan (ESCP)	27	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the Out of Pit Dump (OoPD) - North.	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality. This is especially important for the OoPD east sediment basin as a large area of the OoPD which is not yet permian capped reports to this basin. The OoPD east sediment basin requires significant desilting & repair. As the basin has not been functioning effectively & has a damaged wall, sediment has been transferred beyond the sediment basin.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	27.07.2014 - Out of Pit Dump (OOPD)- North, Erosion and Sediment Control Implementation Plan (including maintenance and inspections) developed. 30.07.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #27 is complete. 03.08.2015 - DEHP unable to locate date that Action #27 was acknowledged for completion by required date.	CB-ENV-TEP-0031 ESCP Implementation OOPDN AREA (Oct 2014)
	28	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the High-Wire Road - East Pit drainage area.	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary, railway line & highway. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	26.10.2015 - Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the High-Wire Road - East Pit drainage area developed 26.10.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #28 is complete. 26.10.2015 - DEHP acknowledge completion of Action #28 by required date.	CB-ENV-TEP-0032 ESCP HIGH WIRE RD EAST PIT
	29	Implement erosion & sediment controls as per the CHPP area ESC Implementation Plan.	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of CHPP infrastructure & Thirty Mile Creek - South Arm. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to Thirty Mile Creek if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	30.12.2015 - Erosion and sediment controls implemented as per Coppabella CHPP Area ESC Implementation Plan. Report prepared 30.12.2015 - Site submitted evidence via email and associated attachments to DEHP that Action #29 is complete. 11.01.2016 - DEHP acknowledge completion of Action #29 by required date.	CB-ENV-TEP-0033 ESCP CHPP Area Implementation Dec 2015
	30	Implement erosion & sediment controls as per the Out of Pit Dump - North ESC Implementation Plan.	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness. Implementation of the area specific ESC Implementation Plan will provide for effective sediment control & containment, preventing sediment laden water from leaving the lease boundary & impacting Humbug Gully.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to the lease boundary & Humbug Gully if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	24.05.2016 - Erosion and sediment controls implemented as per Coppabella Out of Pit Dump - North ESC Implementation Plan. Report prepared. 24.05.2016 - Site submitted evidence via email and associated attachments to DEHP that Action #30 is complete. 30.05.2016 - DEHP acknowledge completion of Action #30 by required date.	CB-ENV-TEP-0034 OOPD - ESCP Implementation (May 2016)
	31	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the East Pit Perimeter area.	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary. Development of an ESC Implementation Plan tailored specifically for this area will enable identification & selection of targeted controls most suitable for the requirements in this locality.	There is no risk of environmental harm - administrative task only. Appropriate standards will be applied in selection of ESCs & the maintenance & inspection requirements. Designs be reviewed through the internal review process.	27.06.2016 - Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the East Pit Perimeter area developed 27.06.2016 - Site submitted evidence via email and associated attachments to DEHP that Action #31 is complete. 28.06.2016 - DEHP acknowledge completion of Action #31 by required date.	CB-ENV-TEP-0035 East Pit Parameter ESP Implementation Plan (Jun 2016)

PROGRAM OF WORKS						
Objectives	#	Actions	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Action Timeline	Peabody Document References
OBJECTIVE 4: Implement area specific Erosion & Sediment Control Implementation Plans for the 5 key risk target areas to comply with the site Erosion & Sediment Control Plan (ESCP)	32	Implement erosion & sediment controls as per the High-Wire Road - East Pit drainage area ESC Implementation Plan. Due Date: 30 September 2016	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary, railway line & highway. Implementation of the area specific ESC Implementation Plan will enable surface run off to pass through sediment controls, effectively preventing sediment laden water from leaving the lease boundary & impacting adjacent infrastructure & property.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to the lease boundary if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	29.08.2016 - Erosion and sediment controls implemented as per the Coppabella High-Wire Road - East Pit drainage area ESC Implementation Plan 29.08.2016 - Site submitted evidence via email and associated attachments to DEHP that Action #32 is complete. 29.08.2016 - DEHP acknowledge completion of Action #32 by required date.	CB-ENV-TEP-0036 ESCP Imp HIGH WIRE RD EAST PIT (Aug 2016)
	33	Implement erosion & sediment controls as per the East Pit Perimeter ESC Implementation Plan. Due Date: 30 March 2017	ESCs require improvement in this area & regular desilting to maintain capacity & effectiveness as sediment controls are restricted in size due to the close proximity of the lease boundary. Implementation of the area specific ESC Implementation Plan will enable surface run off to pass through sediment controls, effectively preventing sediment laden water from leaving the lease boundary & impacting adjacent infrastructure & property.	Where applicable, a Permit to Disturb will be issued for the activity which will include permit conditions to prompt management of potential environmental impacts. Construction activities will be undertaken by suitably qualified operators. There is potential environmental risk associated with this action due to the proximity to the lease boundary if the plan is not effectively implemented. This will be considered in development of the plan to ensure ESCs are selected & inspection & maintenance requirements are specific, unambiguous & appropriate to manage these risks & clearly appoint accountability for execution of the requirements & response actions under the plan. Appropriate standards will be applied in execution of the plan & rigour built into the documentation & record keeping process for verification of task completion.	27.02.2017 - Erosion and sediment controls implemented as per the Coppabella East Pit Perimeter ESC Implementation Plan.. Report prepared. 27.02.2017 - Site submitted evidence via email and associated attachments to DEHP that Action #33 is complete. 27.02.2017 - DEHP acknowledge completion of Action #33 by required date.	CB-ENV-TEP-0037 East Pit Parameter ESP Completion