

TEP MAN17780: Q4 2016 Quarterly Report

PROGRAM OF WORKS									
QUARTERLY PROGRESS REPORT									
Objectives	#	Actions	Due Date	Description of Transition <i>(how action will achieve compliance)</i>	Environmental Harm Risks & Best Practice	Performance Indicators	Monitoring	Reporting	(Date)
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.	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 built will be certified by an RPEQ.	Commissioning & test operation period confirms decant operating as per design.	NA	Closed - Decant has been installed and is operational in accordance with its design. Action completion submitted to Administrating Authority 26/6/2014	28/05/2015
	2	Install automatic water level gauging station in Return Water Dam.	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.	Gauging station installed & operational by due date.	NA	Return Water dam Gauge is installed and working	27/08/2015
	3	Develop risk assessment or standard for pipes in watercourses or pipes at risk of spilling to watercourses.	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.	Develop & submit to administering authority by due date.	NA	Closed - Submitted to the administrating authoirty 29/8/2014	28/05/2015
	4	Review tailings pipelines inspection & maintenance processes.	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.	Processes reviewed by due date.	NA	Closed - Submitted to the administrating authoirty 29/8/2014	28/05/2015
	5	Review pump operation procedure & train relevant personnel.	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.	Procedure reviewed & personnel training by due date.	NA	Closed - Submitted to the administrating authoirty 29/8/2014	28/05/2015
	6	Upgrade co-disposal western toe-drain	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.	Drain constructed & commissioning confirms operating as per plan.	NA	Closed - Submitted evidence of action completion and receipted. 7/10/2014	28/05/2015
	7	Upgrade co-disposal delivery pipes in critical risk (spill to watercourse) areas with alternative pipe materials or secondary containment controls.	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.	Commissioning & test operation period confirms installation operating as per plan.	NA	Closed - Submitted evidence of action completion and receipted. 7/10/2014	28/05/2015
	8	Upgrade co-disposal eastern toe-drain	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.	Drain constructed & commissioning confirms operating as per plan.	NA	Closed - Submitted evidence of action completion and receipted. 7/10/2014	28/05/2015

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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.	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.	EA amendment submitted.	NA	Closed - Submitted evidence of action completion and receipted. 7/10/2014	28/05/2015
	10	Revise Operating Plan for Co-disposal & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Closed - Submitted evidence of action completion and receipted. 7/10/2014	28/05/2015
	11	Geotechnical assessment (including seepage) of Co-disposal as a regulated structure.	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.	Complete assessment by due date.	NA	Geotechnical Assessment of Co-disposal Completed. CDA Eastern Buttress Certified Draft has been submitted 20/11/2014.	28/05/2015
	12	Revise Operating Plan for Return Water Dam & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Revised Operating Plan fo Return Water Dam has been submitted. 27/02/2015	28/05/2015
	13	Revise Operating Plan for Worked Water Dam & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Revised Operating Plan for Worked Water Dam has been submitted and receipted. 23/04/2015	28/05/2015
	14	Revise Operating Plan for Run Of Mine (ROM) Dam & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Revised Operating Plan for ROM Dam has been submitted and receipted. 23/06/2015	27/08/2015
	15	Revise Operating Plan for Product Stockpile Dam & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Revised Operating Plan for Product Stockpile Dam has been submitted and receipted. 30/7/2015	27/08/2015
	16	Revise Operating Plan for North Arm Levee & submit plan to the administering authority.	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.	Develop & submit plan to administering authority by due date.	NA	Revised Operating Plan for North Arm Levee has been submitted. 27/08/2015	27/08/2015
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.	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.	Develop & submit plan to administering authority by due date.	Plan to include monitoring requirements to determine when triggers to initiate maintenance/repairs are approaching or have been reached.	Closed - Submitted to the administrating authoirty 7/10/2014	28/05/2015
	18	Topsoil & seed (targeting salt tolerant species) Co-disposal seepage section of Thirty Mile Creek South Arm Diversion.	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.	Revegetation project completed by due date. Seepage impact in watercourse is reduced.	Implement a 2 year monitoring program to review effectiveness of revegetation in mitigating seepage impacts.	Closed - Submitted evidence of action completion and receipted 18/12/2014	28/05/2015
	19	Commence a 2 year monitoring program to review effectiveness of revegetation in mitigating seepage impacts.	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.	Commence program by due date.	As per program.	Baseline monitoring of this seepage has commenced with formalised process outlined in South Arm Divesrion Revgetetation - Monitoring Plan	27/08/2015
	20	Co-disposal toe-drain operating & maintenance plan implemented.	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.	Evidence of seepage is reduced.	Annual inspection involving visual observations with appropriate photographic records from set monitoring points.	New Toe Drains installed around CDA area. Photo log of new drains submitted to administrating authority 27/08.2015	27/08/2015
	21	Submit seepage mitigation monitoring report to administering authority.	30 April 2017	Provides evidence to DEHP that the above actions have been effective.	There is no risk of environmental harm - administrative task only.	Submit report to administering authority by due date.	NA	Yet to be commenced	30/12/2016
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.	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.	Develop & submit plan to administering authority by due date.	NA	Closed - ESC Plan for Main Haul Road Thirty Mile Creek Crossing has been completed. Action completion submitted to Administrating Authority 21/07/2014	28/05/2015
	23	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the High-Wire Road - F-Dump drainage area.	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.	Develop & submit plan to administering authority by due date.	NA	Closed - ESC Plan for High-Wire Road - F-Dump drainage area has been completed. Action completion submitted to Administrating Authority 31/10/2014	28/05/2015

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	24	Implement erosion & sediment controls as per the Main Haul Road Thirty Mile Creek crossing ESC Implementation Plan.	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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Erosion and Sediment controls have been implemented as per the Main Haul Road Thirty Mile Creek ESC Implementation Plan. Evidence of this works has been submitted 20/11/2014	28/05/2015
	25	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the CHPP area.	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.	Develop & submit plan to administering authority by due date.	NA	Closed - ESC Plan for CHPP Area has been completed. Action completion submitted to Administrating Authority. 25/03/2015	28/05/2015
	26	Implement erosion & sediment controls as per the High-Wire Road - F-Dump drainage area ESC Implementation Plan.	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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Ongoing in accordance with implementation plan	27/08/2015
	27	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the Out of Pit Dump (OoPD) - North.	31 August 2015	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.	Develop & submit plan to administering authority by due date.	NA	Closed - Submitted evidence of action completion and receipted 30/07/2015	12/09/2014
	28	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the High-Wire Road - East Pit drainage area.	30 November 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. 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.	Develop & submit plan to administering authority by due date.	NA	Completed as per the October 2015 Submission.	12/09/2014
	29	Implement erosion & sediment controls as per the CHPP area ESC Implementation Plan.	31 December 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 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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Completed as per the December 2015 Submission.	30/12/2015

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	30	Implement erosion & sediment controls as per the Out of Pit Dump - North ESC Implementation Plan.	31 May 2016	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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Completed as per May 2016 TEP submission	27/06/2016
	31	Develop area specific Erosion & Sediment Control Implementation Plan (including maintenance & inspections) for the East Pit Perimeter area.	31 July 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. 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.	Develop & submit plan to administering authority by due date.	NA	Completed as per June 2016 TEP Submission	27/06/2016
	32	Implement erosion & sediment controls as per the High-Wire Road - East Pit drainage area ESC Implementation Plan.	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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Completed as per August 2016 TEP Submission	22/09/2016
	33	Implement erosion & sediment controls as per the East Pit Perimeter ESC Implementation Plan.	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.	Controls (e.g. inspections, maintenance/desilting, repairs & construction of new controls) executed as prescribed in the area specific implementation plan.	Visual inspections (including collection of photographic evidence) will be completed as per the plan.	Rehabilitation of slopes in progress under 2016 rehabilitation program. On schedule to completed in line with East Pit Perimeter ESC implementation plan	30/12/2016