

APPENDIX B7

EXPLORATION MANAGEMENT PLAN

BIRD IN HAND GOLD PROJECT

MINING LEASE PROPOSAL MC 4473



ABN | 66 122 765 708

Unit 7 / 202-208 Glen Osmond Road | Fullarton SA 5063

EXPLORATION PROGRAMS FOR BIRD IN HAND – MANAGEMENT OF ENVIRONMENTAL IMPACTS

Environmental management – potential impacts/events, outcomes, measurable criteria and monitoring plan

This plan has been developed from the framework provided by the Department for Energy and Mining for all exploration programs in South Australia. This Management plan has been previously used during exploration drilling for the Bird in Hand Gold project.

This management plan is not exhaustive, and must be reviewed and updated accordingly prior to any exploration program conducted within the Mining Lease.

Additionally, all lease conditions applicable for the Mining Lease must be complied with through all exploration drilling programs.

			Likelihood of consequence (LH)				
			1	2	3	4	5
			Rare	Unlikely	Possible	Likely	Almost certain
Severity of consequence (CQ)	A	Insignificant	Low	Low	Low	Low	Low
	B	Minor	Low	Low	Moderate	Moderate	Moderate
	C	Moderate	Moderate	Moderate	High	High	High
	D	Major	High	High	Extreme	Extreme	Extreme
	E	Catastrophic	High	Extreme	Extreme	Extreme	Extreme

Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control and rehabilitation strategies Where the risk is not considered low after implementing control and rehabilitation strategies, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level – refer to Minerals Regulatory Guidelines MG22 for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
Stakeholders: <ul style="list-style-type: none"> • freehold land owners • perpetual lease holders • pastoral lease holders • Aboriginal land (Anangu Pitjantjatjara Yankunytjatjara and Maralinga Tjarutja lands) • Department of Defence • state government departments. • local government (councils) • federal government • native title parties. 	Interference to: <ul style="list-style-type: none"> • existing or permissible land use (includes loss of income, noise, dust, light and other emissions). • buildings, structures, existing tracks or other infrastructure. • aesthetic values of an area. Noncompliance with legislative requirements.	Yes (Applicable to all programs.)	Freehold Land Owners Landholders of the adjoining properties have been informed of Terramin's activities. Terramin has agreed to; <ul style="list-style-type: none"> • Give notice prior to entry onto the land. • Restrict drilling to a single 12 hour shift and no drilling to be undertaken on Sundays • Compensate Landholders at a rate to reflect the economic loss, hardship and inconvenience resulting from Terramin's activities. • Carry full public liability insurance. Terramin selected methods of drilling (rotary mud and diamond coring) will minimize dust and noise emissions. Visual Impact Holes will be finalised and sites rehabilitated in accordance with details in the following DEM Information Sheets - M21: Mineral Exploration Drillholes - General Specifications for Construction and Backfilling, and M33: Statement of Environmental Objectives and Environmental Guidelines for Mineral Exploration Activities in South Australia, and honouring any additional commitments to the Landholder. If	2	B	Low	Stakeholders are fully informed and satisfied with the proposed methods used to conduct exploration activities on their land, and all prescribed forms are served and agreements obtained in accordance with the Mining Act.	Provide the information requested within the 'Complaints' section of the annual compliance report demonstrating that all reasonable complaints from stakeholders are resolved to the satisfaction of both parties prior to and ongoing during the course of exploration program, without the involvement of DPC. Provide the information requested within the 'Landowner details and liaison' section of the annual compliance report demonstrating that prescribed forms were served and agreements obtained in accordance with the Mining Act prior to the commencement of exploration activities.

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				LH			CQ	Risk
			required, after rehabilitation earthworks are completed, vegetation matter will be spread across the sites to encourage regeneration and reduce visual impact. Following consultation with the landholder, drill sites and new access tracks will be re-seeded appropriately.					
Stakeholder: DEW	Interference to: <ul style="list-style-type: none"> existing or permissible land use. buildings, structures, existing tracks or other infrastructure. aesthetic values of an area. Noncompliance with legislative requirements.	No (Applicable to programs located adjacent to or within parks and reserves.)	Not applicable as no parks located within ML.			For activities located within or adjacent to regional reserves, national, conservation and marine parks only: <ul style="list-style-type: none"> no unauthorised interference with park management activities. N/A		

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Flora and fauna and their habitats; includes Commonwealth and state scheduled species.	Loss/modification of native vegetation and associated habitats through the clearance of vegetation.	Yes (Applicable to exploration programs located within or impacting on native vegetation.)	<p>No native vegetation to be cleared.</p> <p>Pre-existing tracks and drill pads will be used in areas where native vegetation exists.</p> <p>Drill sites and aboveground sumps will be sited well away from trees (including dead trees) to avoid damage.</p> <p>Photographs of the site before and after the conduct of the exploration program will be submitted with the annual compliance report.</p>	1	B	Low	<p>No permanent loss/modification of native flora and fauna populations and their habitats through:</p> <ul style="list-style-type: none"> clearance fire other <p>unless prior approval under the relevant legislation is obtained.</p>	<p>Maintain before, during and after photographic evidence of all exploration sites (e.g. drillsites, new track exit/entry points off existing tracks, costeans, campsites) demonstrating that:</p> <ul style="list-style-type: none"> The area and method of disturbance is consistent with that described in the PEPR. No uncontrolled fires* occurred as a result of exploration activities. <p>Representative photos to be included within the annual compliance report.</p>
All flora and fauna, especially listed species.	Loss/modification of the environment (biological, social and economic) through the introduction of weeds and pathogens.	Yes (Applicable to all programs.)	<p>To help prevent the spread of phytophthora and other pathogens and weeds Terramin and drill contractors will wash down vehicles to remove mud from vehicles and tyres will be inspected for calthrop and other burrs prior to arriving at the work site. Vehicles will then be washed prior to departure or travelling between properties at either Terramin's core yard.</p> <p>Further to prevent the spread of phytophthora vehicles and shoes will be sprayed with a disinfection/fungicide, Photo 10 prior to entry and departure.</p> <p>Vehicle logs will be kept during the exploration program to record that all vehicles are clean and free of plant and mud material prior to entering properties.</p>	2	B	Low	<p>No introduction of new species of weeds and plant pathogens, nor increase in abundance of existing weeds species.</p>	<p>Provide a statement within the 'Compliance with approved programs' section of the annual compliance report, confirming that:</p> <ul style="list-style-type: none"> Vehicle logs were kept during the exploration program, demonstrating that all vehicles are clean and free of plant and mud material prior to entering properties[†] within the tenement areas, unless otherwise agreed to with the relevant landowners. Photographic evidence before and during exploration operations and after rehabilitation of disturbed sites was captured, demonstrating that no new weeds and plant pathogens were introduced, nor an increase in abundance of existing weeds recorded.

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			<p>No new material to be added to the existing unformed track.</p> <p>Any replaced topsoil to be reseeded with native grasses endemic to the immediate vicinity.</p> <p>Photographs of the site before and after the conduct of the exploration program will be submitted with the annual compliance report to demonstrate rehabilitated sites have no new weeds.</p>					
All fauna	Entrapment of fauna through open drillholes and excavations.	Yes (Applicable to exploration programs that involve drilling and/or require excavations.)	<p>Drill sumps will be fenced off to prevent cattle from entering sumps.</p> <p>All drillholes will be capped/plugged immediately upon completion.</p> <p>Where Terramin's environmental officers have identified birds of interest at a drill sites mitigation strategies to be used include;</p> <ul style="list-style-type: none"> • Consultation with Professor David Paton of Adelaide University on best time of year to undertake drilling (or if need be hole moved to alternate site) • Drilling methods will be rotary mud and diamond drilling (no noisy compressors/hammer drilling) 	2	B	Low	<p>No fauna traps created as a result of exploration activities.</p> <p>Maintain before, during and after photographic evidence of all drillholes and/or excavations demonstrating that:</p> <ul style="list-style-type: none"> • All drillholes were permanently or temporarily capped/plugged immediately upon completion. • No fauna and livestock became trapped in drillholes and/or excavations throughout the duration of the program. • All rehabilitation was completed within 3 months after the expiry of a program notification unless otherwise authorised. <p>Representative photos are to be included within the annual compliance report.</p>	

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			<ul style="list-style-type: none"> Drill rigs and support trucks will be track mounted, above ground sumps will be used Sumps to covered by shade cloth to help prevent birds entering them. No drilling on catastrophic fire ban days and no work that may create sparks on fire ban days Operation will be on single shift consisting of 6 days a week (Mon to Sat) from 7.30am to 6.00pm. <p>All rehabilitation to be completed within 3 months of completion of exploration program.</p>				Provide the information requested within the 'Rehabilitation' section of the annual compliance report.	
Aboriginal heritage sites	Disturbance to Aboriginal heritage.	Yes (Applicable to all programs.)	<p>The register of Aboriginal Sites and Objects, administered by the Department of premier and Cabinet, have advised by letter on the 14th of February 2014 that there is no record of Aboriginal sites in the area.</p> <p>Aboriginal and Cultural Surveys have been completed as part of the pending Mining Lease Proposal and indicate very low probability of discovery due to history of agricultural and mining land disturbance.</p> <p>Aboriginal heritage sites or objects identified during the exploration program will result in cessation of works and to be reported to authorities. Work only to</p>	1	B	Low	<p>No disturbance to Aboriginal artefacts or sites of significance unless prior approval under the relevant legislation is obtained.</p> <p>Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual compliance report demonstrating that:</p> <ul style="list-style-type: none"> Heritage sites were not impacted during the conduct of the exploration program, unless prior approval was obtained under the appropriate legislation. Work ceased on discovery of a significant site and recommenced only after authorisation. Aboriginal heritage sites identified during the exploration program were appropriately recorded and reported to authorities, if not previously known. 	

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			recommence once approval from relevant authorities is sought.					
European heritage sites and sites of scientific and environmental significance	Disturbance to European heritage sites and sites of scientific and environmental significance (e.g. geological monuments, fossil reserves).	Yes (Applicable to exploration programs located close to or within European heritage sites and sites of scientific and environmental significance.)	<p>The chimney and flue of the Lone Hand Gold Mine located on Terramin's property is a registered site: State Heritage ID 12863 Heritage Number 15253</p> <p>The Lone Hand chimney is located to the north of Bird-in-Hand Road, over 700m from the nearest drill pad.</p> <p>The cultural significance of the drilling will be included in the site induction.</p> <p>Photographs of the site before and after the conduct of the exploration program will be submitted with the annual compliance report.</p>	1	B	Low	<p>No disturbance to European heritage sites and to sites of scientific and environmental significance unless prior approval under the relevant legislation is obtained.</p> <p>Demonstrate no impact to heritage sites and sites of scientific and environmental significance by:</p> <ul style="list-style-type: none"> Maintaining evidence, including detailed maps showing sites compared to the location of exploration activities, and photographic evidence of sites before and after the conduct of the exploration program. Providing a statement within the annual compliance report confirming sites were not impacted during the conduct of the exploration program. 	

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				LH CQ Risk		
Soil/vegetation/fauna	Soil/vegetation contamination (e.g. hydrocarbons, rubbish, drill samples/cuttings, ablutions, other sources).	Yes (Applicable to all programs.)	<p>All domestic or industrial waste (includes general rubbish and hydrocarbons) will be disposed of in accordance with the Environment Protection Act 1993</p> <p>Topsoil will be scrapped to a depth of 0.4m and stored to avoid mixing as per M21 regulations guide.</p> <p>Hydrocarbon management</p> <p>Prior to the commencement of drilling an audit of the rig will be undertaken during which hydraulic hoses and fittings will be inspected for serviceability.</p> <p>Spill mats will be carried in the event a leak does occur.</p> <p>In the case of soil being contaminated by hydrocarbons, the affected soil will be bagged and taken to the Angas Zinc Mine from where it will be sent to an EPA licensed waste disposal operator. The area from where the soil was removed will be rehabilitated.</p> <p>Rubbish and waste</p> <p>During drilling all rubbish will be deposited in secured bins and removed from drill sites at the completion of each hole. All rubbish removed from the drill sites will be deposited in an EPA licensed waste disposal facility.</p>			<p>No contamination of soil and vegetation as a result of exploration activities.</p> <p>Demonstrate that all domestic or industrial waste (includes general rubbish and hydrocarbons) is disposed of in accordance with the <i>Environment Protection Act 1993</i> or 3 months after the expiry of a program notification, and that all fuel and chemicals are stored in accordance with EPA requirements, by providing:</p> <ul style="list-style-type: none"> The name, location and contact details of the authorised waste disposal facility. A statement within the 'Compliance with approved programs' section of the annual compliance report confirming domestic and industrial waste was removed from all exploration sites and disposed of at an authorised waste disposal facility. Photographic evidence within the annual compliance report demonstrating that all fuel and chemical storage facilities were managed in accordance with EPA requirements. <p>Maintain photographs of all exploration sites and provide representative photos within the annual compliance report demonstrating that drill cuttings are:</p> <ul style="list-style-type: none"> removed from site and disposed of at a licensed facility buried under a minimum of 30 cm of soil, or in accordance with EPA guideline, Radiation protection guidelines on mining in South Australia: mineral

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				LH	CQ	Risk	
			<p>Drill cuttings</p> <p>Drill cuttings will be removed from site and disposed of at a licensed facility.</p> <p>Photographs of the sites before and after the conduct of the exploration program will be submitted with the annual compliance report.</p> <p>Photographs of the site before and after the conduct of the exploration program will be submitted with the annual compliance report.</p> <p>Historic Tailings</p> <p>Water quality obtained from the Ridge tailings dam (historic tailings dam from 1880s) located downstream of proposed drilling indicates no traces of mercury, cyanide, and is within average ranges of metals as all other dams and surface water in the region. The dam was cleaned out by the landholders during 2015 and waste located to the south of the dam. The dam is currently used for stock. Terramin do not expect any impacts from pump testing water to this dam. Any flooding event is of the same risk profile as rainfall and surface run off which currently enters the dam as it is located in</p>				<p>exploration, available on the EPA website, or</p> <ul style="list-style-type: none"> backfilled down the drillhole, within 3 months of the expiry of a program notification unless otherwise authorised. <p>Provide the information requested within the 'Rehabilitation' section of the annual compliance report.</p>

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				LH			CQ
			the valley drainage line and collects all water entering the drainage line.				

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Soil	Disturbance to the soil profile and topography, and accelerated soil erosion caused by exploration activities (e.g. construction of sumps, new tracks and drill pads; ground compaction at laydown areas and camps).	Yes (Applicable to all programs.)	<p>All drill site activities will be carried out in compliance with DEM guidelines as detailed below, following the standard safety and environmental protection procedures of Terramin and the drilling contractor, and in accordance with any site-specific requirements by agreement between Terramin and the landholder. The drilling program will be regularly monitored by Terramin's Environmental Superintendent.</p> <p>Rig access tracks are not expected to require the disturbance of top soil, drill site work areas may require the pads to be cut or built up and the digging of sumps. Management and backfilling of drill sumps detailed below;</p> <ul style="list-style-type: none"> Any disturbed topsoil will be set aside in a windrow for subsequent site rehabilitation. At each drill site, as a minimum two 4 m-long sumps will be dug to a depth of about 1.2 m. The sumps will be lined with plastic to contain any rotary mud cuttings and provide water for the diamond coring. A local earthmoving contractor acceptable to the landowner will be contracted to level the site, windrow the topsoil, and dig the sumps. Sediment traps will be established down slope of drill pads and sumps to capture any sediment washed off by rainfall. 	2	B	Low	<p>Where soil disturbance occurs as a result of exploration activities, ensure that:</p> <ul style="list-style-type: none"> topsoil quality and quantity is maintained the soil profile and topography is reinstated to original conditions there is no accelerated soil erosion. 	<p>Maintain before, during and after photographic evidence of all excavations, drillsites, camps, laydown areas and new tracks demonstrating that:</p> <ul style="list-style-type: none"> The soil profile and topography is reinstated to original conditions and is consistent with natural surroundings within 3 months after the expiry of a program notification unless otherwise authorised. Where required, sufficient topsoil is removed (depending on soil profile), stored separately from subsoil and reinstated (in the correct order) within 3 months after the expiry of a program notification unless otherwise authorised. There are no signs of accelerated soil erosion during and post rehabilitation of disturbed sites. <p>Representative photos to be included within the annual compliance report.</p> <p>Provide the information requested within the 'Rehabilitation' section of the annual compliance report.</p>

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			<ul style="list-style-type: none"> The plastic sump lining will be removed from site (not buried) and taken to an EPA-approved landfill facility. Prior to the removal of the sump liners, an EPA-approved contractor will be engaged to pump out the drill sludge from the sumps, and remove it from site. <p>Photographs of the sites before and after the conduct of the exploration program will be submitted with the annual compliance report.</p>					
Surface hydrology	Alteration to surface hydrology – interference to surface drainage.	Yes (Applicable to exploration programs that are likely to impact on surface drainage channels.)	<p>The work program has been designed so there is no requirement for surface-work or access to drill sites that could potentially interfere with surface drainage lines. All areas of earthworks (which will be above the riparian zone) undertaken will have temporary sediment traps installed down slope to reduce or eliminate any sediment travel in heavy rainfall events.</p> <p>Photographs of the sites before and after the conduct of the exploration program will be submitted with the annual compliance report Figure 15</p>	2	B	Low	<p>No permanent modification to hydrological features caused by exploration activities without obtaining a water affecting permit from the relevant Natural Resource Management Board.</p> <p>Provide before, during and after photographic evidence within the annual compliance report demonstrating that original drainage contours (watercourses and lakes) are consistent with the natural relief post rehabilitation within 3 months after the expiry of a program notification unless otherwise authorised.</p> <p>Alternatively, provide copies of water affecting permits within the annual compliance report.</p>	

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Groundwater/aquifer	Groundwater contamination: <ul style="list-style-type: none"> contamination of aquifers through entry of pollutants from the surface interconnection between aquifers degradation of natural hydrostatic conditions (maintain pre-drilling pressures). 	Yes (Applicable to all exploration programs that may intersect groundwater.)	<p>Within 3 months of the expiry of the exploration program, approval holes will be grouted so as to be in accordance with Earth Resources Information Sheet M21 to restore, as far as feasible, the controlling geological conditions that existed before the hole was drilled and so prevent contamination of aquifers through entry of pollutants from the surface.</p> <p>On completion of drilling each hole will be grouted in its entirety.</p>	1	B	Low	<p>Drillholes restored to controlling geological conditions that existed before the hole was drilled or, where it is intended to re-enter the hole, the hole must be completed with casing of adequate strength and the casing cemented so that all aquifers are isolated to prevent the movement of any fluids behind the casing.</p>	<p>Maintain evidence demonstrating that drillholes are decommissioned in accordance with Earth Resources Information Sheet M21, Mineral exploration drillholes – general specifications for construction and backfilling, and/or specific conditions from DEW (Groundwater) within 3 months after the expiry of a program notification unless otherwise authorised.</p> <p>Provide the information requested within the 'Exploration' section of the annual compliance report.</p>
Soil/vegetation/fauna	Discharge of groundwater into the surrounding environment.	Yes (Applicable to all exploration programs that may intersect groundwater or where activities require the discharge of groundwater into the surrounding environment.)	<p>Vegetation</p> <p>Drill sites and sumps will be sited well away from trees (including dead trees) to avoid damage.</p> <p>Proposed drilling method are rotary mud and diamond drilling and as the local aquifers are sub artesian the drill sumps will only overflow if they are over filled. Most above ground sumps have safety valves to prevent this from occurring. Protocols will be put in place to prevent in-ground sumps from overflowing.</p>	2	B	Low	<p>No discharge of groundwater outside of the exploration site (e.g. drillsite) into the surrounding environment and no discharge of water into a watercourse, unless prior approval under the relevant legislation is obtained.</p>	<p>Maintain photographic evidence of all drillsites demonstrating that groundwater was not discharged into the surrounding environment, unless water affecting activity permits were obtained allowing the discharge of groundwater into watercourses and/or lakes.</p> <p>Representative photos and water affecting activity permits (where applicable) to be included within the annual compliance report.</p>

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Groundwater users	Interference to existing water users when extracting water from existing dams, water bores or mineral drillholes.	Yes (Applicable to all exploration programs that may require the use of water from existing dams, water bores or mineral drillholes.)	<p>Selected drilling methods will have no negative impact on the fracture hosted aquifer.</p> <p>Drilling fluids will be biodegradable. Proposed viscosifier is CR-650 which is classified as non-hazardous, non-toxic and will not ferment.</p>	1	A	Insignificant	<p>No public nuisance impacts resulting from the extraction of water for exploration purposes, unless prior approval under the relevant legislation is obtained.</p> <p>Provide the information requested within the 'Complaints' section of the annual compliance report demonstrating that all reasonable complaints from stakeholders were resolved to the satisfaction of both parties, prior to and ongoing during the course of the exploration program without the involvement of DPC.</p> <p>Where permits are required for the extraction and/or usage of groundwater, provide copies of the licence or permit within the annual compliance report.</p>	
Soil/vegetation/fauna	Degradation of rehabilitated access tracks caused by third party access (includes previously closed and rehabilitated access tracks).	Yes (Applicable to exploration programs that create new access tracks.)	<p>Properties on which there will be new access tracks are on fenced freehold land, only accessible to the owner and Terramin.</p> <p>Terramin highly values landowner relationships and will monitor and maintain the rehabilitated areas well after the submission of the 'Exploration' section of the annual compliance report.</p> <p>Photographs of the sites before and after the conduct of the exploration program will</p>	1	A	Insignificant	<p>Rehabilitated access tracks remain permanently closed, unless prior approval under the relevant legislation is obtained.</p> <p>Maintain before and after photographic evidence demonstrating that all tracks are closed and rehabilitated within 3 months after the expiry of a program notification unless otherwise authorised.</p> <p>Representative photos are to be included within the annual compliance report.</p> <p>Provide the information requested within the 'Exploration' section of the annual compliance report.</p>	

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			be submitted with the annual compliance report.					
Community/landowners	Damage to infrastructure and loss of income through fire.	Yes (Applicable to all programs.)	<p>As a fire-prevention procedure (see below) drill sites on farming land will be cleared of stubble. Dry pasture grass will be removed from sites where these present a fire risk.</p> <p>Standard fire-prevention procedures are followed and equipment requirements met by Terramin and the drilling contractor. These requirements are:</p> <ul style="list-style-type: none"> •availability of a long-handled shovel and rake •availability of at least one 20 litre backpack fire-fighting unit •availability of at least one 9 litre water-based fire extinguisher •natural fire load is cleared for at least 5 m around the rig •communications equipment (mobile telephones / two way radio) to be present at the site at all times, •immediately call '000' on the outbreak of fire. <p>If grinding and/or welding is to be carried out the equipment that needs repairing will be moved to a site (e.g. bit sharpening and repairs) that meets the following requirements:</p> <ul style="list-style-type: none"> •An area of 10 metres around the cutting, welding or grinding site clear of flammable 	2	B	Low	<p>No loss of infrastructure or income through fire as a result of exploration activities.</p>	<p>Provide a statement within the 'Compliance with approved programs' section of the annual compliance report confirming that no uncontrolled fires* occurred.</p> <p>Alternatively, provide a report on the independent investigation of all uncontrolled fires* demonstrating that the licensee could not have reasonably prevented the fire through the implementation of precautionary measures.</p>

Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control and rehabilitation strategies Where the risk is not considered low after implementing control and rehabilitation strategies, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level – refer to Minerals Regulatory Guidelines MG22 for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
			<p>material, or maintained in a wetted down state for the duration of the activity</p> <ul style="list-style-type: none"> •Screens erected around each cutting, welding or grinding site to prevent the escape of sparks •On-site trailer or vehicle mounted firefighting unit with minimum 1000 litre water tank, powered pump, 30 m of hose. •The hose is to be deployed •One or more persons whose sole job is to act as “Fire Spotter” •Notify the appropriate SACFS Regional HQ of work location on a day of Total Fire Ban •Terramin and the drilling contractor acknowledge that, if a fire is started, even if all the conditions of the permit have been followed, the person who lit the fire is still accountable. <p>While operating on SA Water’s land Terramin will also abide by SA Water safety protocols which include; no work to be undertaken on days the CFS has deemed having a catastrophic fire risk and that fire risk and access issues will be monitored and documented.</p>					
General public	Injury or death to members of the public as a result of	Yes (Applicable to all programs.)	Gates to work sites will be closed and “Authorised Entry Only” signage erected.	1	E	High	No accidents involving the public that could have been reasonably Provide a statement within the ‘Compliance with approved programs’ section of the annual compliance report confirming no accidents	

Impact assessment						Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control and rehabilitation strategies Where the risk is not considered low after implementing control and rehabilitation strategies, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level – refer to Minerals Regulatory Guidelines MG22 for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence				
				LH	CQ			Risk
	exploration activities.		<p>Signage warning of drilling in progress and required PPE to be placed along access tracks.</p> <p>Requirement of site induction of all visitors prior to entering work sites.</p> <p>Active drilling will stop when unannounced public are on site.</p> <p>Vehicles to be cleaned prior to entering the road to prevent drag out.</p> <p>Spotter required for heavy vehicles entering the road.</p> <p>No drilling at night restricts the use of flood lights that might dazzle/distract drivers.</p>				<p>prevented by the licensee.</p> <p>occurred involving the public during and after the exploration program.</p> <p>If an accident involving the public did occur, provide a copy of the independent investigation report within the annual compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.</p>	
General public, employees, contractors and the environment	<p>Contamination of the environment when exploring for known uranium and thorium deposits.</p> <p>Public and employee/contractor exposure to low level radiation.</p>	No (Applicable to exploration programs located within known uranium or thorium deposits.)	No elevated uranium or thorium assays have been recorded at Bird-in-Hand	-	-	-	<p>No increase in background radiation levels, and employee/contractor exposure levels during the exploration program are within safe limits.</p> <p>Maintain a database and provide a statement within the 'Compliance with approved programs' section of the annual compliance report demonstrating that:</p> <ul style="list-style-type: none"> Radiation levels post exploration and rehabilitation are consistent with pre-existing background levels. Employee and contractors exposure levels were within safe limits during the exploration program. 	
Employees and contractors	Injury or death to members of employees or contractors resulting from collapse of historic workings	Yes	Identify location of historic sites through field observation, historic records and maps and through the use of geophysical surveys such as ground penetrating radar.	1	B	Low	<p>No accidents involving employees or contractors that could have been reasonably prevented by the licensee.</p> <p>Provide a statement within the 'Compliance with approved programs' section of the annual compliance report confirming no accidents occurred involving the employees or contractors during and after the exploration program.</p>	

Impact assessment					Outcomes	Outcome measurement criteria (inc. monitoring plan)	
Receptor Lists are not exhaustive.	Potential impacts Lists are not exhaustive.	Is the potential impact applicable (Yes/No) Some potential impacts are applicable to all programs.	Control and rehabilitation strategies Where the risk is not considered low after implementing control and rehabilitation strategies, provide justification that the risk is acceptable, or consider additional strategies to reduce the risk to an acceptable level – refer to Minerals Regulatory Guidelines MG22 for more information.	Risk assessment LH = likelihood of consequence CQ = severity of consequence			
				LH			CQ
			<p>Employees and contractors are to be informed of the presence of historic workings in their site induction.</p> <p>Located historic workings will be flagged.</p> <p>When working on SA Water's properties all employees and contractors will be required to stay on formed track and designated work sites.</p>			<p>If an accident involving employees or contractors did occur, provide a copy of the independent investigation report within the annual compliance report demonstrating that the licensee could not have reasonably prevented the accident through the implementation of precautionary measures.</p>	

* Uncontrolled fires = fires that escape outside of the work area (e.g. drillsite).

† Properties = freehold (cropping and grazing land); perpetual/pastoral lease land; council land; regional reserves; national, conservation and marine parks; Aboriginal land; Commonwealth land etc.