




Manildra Solar Farm Construction – Environmental Representative (ER) Inspection Report

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Date of Inspection	10 August 2017	Location of Inspection	Manildra Solar Farm
ER	Demelza Scott	Proponent Representative	Bjorn Schultz
Weather	Fine and sunny	Construction Contractor Representative	Jeff Drummond Baz Tuppin
Inspection Summary	Improvement Opportunity – 0 Corrective Action – 3		
Comments / Observations	<p>The site was in its third week of pre-construction activities at the time of the inspection. Temporary site buildings had been placed on site until the construction site compound is completed. The internal main access road was under construction and earthworks were underway for the construction site compound.</p> <p>The site was tidy at the time of the inspection. Erosion and sediment controls for stockpiles and earthworks were implemented and managing erosion and sediment risk well.</p> <p>A number of controls were awaiting implementation including erection of speed signage, waste receptacles and development of registers including complaints, incidents and waste.</p> <p>The site presented a low environmental risk at the time of the inspection.</p>		



Signed:


Demelza Scott, Environmental Representative


Issue	Observations & Corrective Actions	Due Date	Photographic Record
Waste	Minimal waste has been generated at site to date. General solid waste from crib room is taken to Manildra Waste Facility twice weekly.		
	Waste receptacles for segregation of construction waste have not been set up on site. Sighted Contractor's Weekly Environmental Site Inspection Checklist that included an improvement opportunity to order waste bins and have them in place prior to commencement of the construction program.		
	Spoil and topsoil observed to be stockpiled separately.		
	Old farm fencing has been removed from the majority of the development envelope. Temporary stockpiles of timber fence posts and wire are located across the site.		
	Old fencing to be transported to MWF for recycling.		
	No greenwaste has been generated to date.		



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	<p>Contractors for transport of waste are currently undergoing contractor engagement processes.</p> <p>This was acknowledged in the Contractors' Weekly Environmental Site Inspection Checklist to engage waste transport contractor prior to commencement of the construction program.</p>		
	<p>Waste register is yet to be developed. Records of general solid waste have not been maintained to date.</p> <p>This was acknowledged in the Contractors' Weekly Environmental Site Inspection Checklist for the waste register to be developed prior to commencement of construction program.</p>		
Chemicals and Fuels	<p>No chemicals or fuels are currently stored on site.</p> <p>All light vehicles and plant are refuelled and serviced offsite. Sighted records for light vehicle 217.</p>		
	<p>Spill kit in temporary crib room was being stored in an office that could not be opened at the time of inspection.</p> <p>Corrective Action 170810 - 01: Maintain spill kits in areas that are readily accessible in the event of a spill.</p>	<p>Advised at time of audit to correct immediately.</p> <p>17/08/2017</p>	

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Flora and Fauna	<p>A trench under the main access road for services and effluent reuse has been open for two days. Protocol 4: Trenching from the Flora and Fauna Management Plan (FFMP) had not been implemented.</p> <p>Water truck operating on the adjacent main access road had filled the trench with water.</p> <p>Corrective Action 170810 - 02: Manage trenches in accordance with Protocol 4: Trenching to minimise trap hazard for fauna.</p>	<p>Advised at time of audit to correct immediately.</p> <p>17/08/2017</p>	 



Issue	Observations & Corrective Actions	Due Date	Photographic Record
	<p>Ecologist (Geolyse) on site at time of ER inspection conducting pre-clearing surveys and identification of trees to be retained and those to be removed. Stands of remnant vegetation to be retained have been flagged as 'no go zones'.</p> <p>Clearing to be conducted no earlier than 21 August.</p>		 
	Ecologist (Geolyse) to conduct weed mapping. This is yet to be completed.		




Issue	Observations & Corrective Actions	Due Date	Photographic Record
	No rocky outcrops have been required to be cleared for the pre-construction activities, as per the predictions in the Pre-Construction Activities Plan.		


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Traffic	<p>Main access road and site compound were under construction at the time of the inspection.</p> <p>A grader, roller and water truck were operating. Trucks were delivering road construction materials at the time of ER inspection.</p>		
	Traffic control is via UHF Channel 10 including pedestrian movements.		
	Designated parking areas were separated from construction traffic movements.		
	Advised that site speed limit is 20 km/hr. No speed limit signage has been erected at site. Sighted Weekly Site Inspection Checklist that identified this as an Improvement Opportunity. Speed limit signage has been ordered and will be erected prior to commencement of the construction program.		
Heritage	Cultural heritage awareness including the presence of the stone ruin are included in induction material.		

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	<p>Sites of potential Aboriginal scatter and stone ruin were identified on site by flagging and signage.</p> <p>Archaeologist (NSW Archaeology) confirmed that the scatter is of low significance and does not require any specific management protocols. RCR have committed to protecting the scatter and on completion of perimeter fencing, it will be outside of the construction footprint.</p>		 

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Noise	<p>Induction material stated that construction hours are 6.30am-5pm Monday to Friday, and that there is the provision for Saturday works during the construction hours of 6.30am-2pm however Saturday work has not been conducted to date and requires prior approval of the Construction Manager.</p> <p>RCR advised that the site is opened at 6.30am with pre-start at 6.45am and no work is conducted prior to 7am. Work is not currently conducted after 5pm due to restrictions on available daylight.</p>		

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Soil and Water	Two stockpiles were constructed at the time of ER inspection. Aerated Wastewater Treatment System (AWTS) was in the process of being installed. Temporary stockpile of spoil was protected by a sediment fence on the downslope side. Topsoil stockpile was located behind the temporary site compounds and car park. It was protected by a sediment fence on the downslope side.		 
	Weekly site inspections are being conducted that include erosion and sediment controls. Sighted records of completed inspections conducted by SCECO.		

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	<p>Water cart operating for construction of main access road.</p> <p>Road construction methodology involves completing small sections of road at a time to minimise areas of disturbance and reduce dust generation.</p>		
	<p>Stabilised entry consisted of a rumble grid, hay bales reinforced with large rocks.</p>		 

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	Site has received some wet weather since pre-construction works commenced (30 mm over 3 days). The site has not received 20 mm in 24 hrs to trigger wet weather inspections and additional erosion and sediment controls.		
	While the construction site compound is being developed, site amenities are port-a-loos. SCECO advised that these are double skinned to provide protection against spills of raw sewage.		
Community Consultation	Community information day was held prior to commencement of construction. Details provided to community e.g. construction start dates to be reviewed at next ER inspection.		
Complaints	<p>Contact information is displayed on the sign at the entrance to the construction site.</p> <p>Manildra Solar Farm website has been updated with complaints contact details.</p> <p>No complaints have been received to date. A complaints register is yet to be established.</p>		

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<i>Incident Management</i>	No environmental incidents have occurred to date. An incident register is yet to be established.		
<i>Permits and Approvals</i>	No permits or approvals have been required for the pre-construction activities underway at site.		
<i>Performance Monitoring</i>	Weekly site inspections are being conducted. Monthly environmental compliance audits and monthly compliance meetings will commence with the start of construction. Corrective actions register is yet to be set up. Actions are being managed via the inspection record.		
<i>Induction and Training</i>	All construction staff and contractors are required to be inducted. Induction package was reviewed and includes heritage (including specific awareness of the stone cottage ruin), does not mention identified Aboriginal heritage sites within the construction boundary. Sighted induction records including completed induction questionnaire for Graeme Campbell.		
	Role specific training packages are still under development and will be rolled out as required. This will include a training matrix identifying roles and training needs.		