



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

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Date of Inspection	18/01/2018	Location of Inspection	Manildra Solar Farm
ER	Demelza Scott	Proponent Representative	Bjorn Schultz
Weather	Fine and sunny	Construction Contractor Representative	Don Martin
Inspection Summary	Improvement Opportunity - Corrective Actions – Open Corrective Actions: CA191217 – 02: Develop and implement a program for the installation of nest boxes in accordance with the FFMP.		
Comments / Observations	Pile driving and rock driving of posts for the solar arrays was ongoing. Installation of modules was underway with some completed modules in the north-east portion of the site. Post installation and cut and fill earthworks to level the site was occurring in the north-west portion of the site. Works around the O&M building were ongoing. No environmental incidents have occurred and no environmental complaints have been received since the last inspection. The site continued to present a low environmental risk at the time of inspection.		

Signed:

Environmental Representative

Issue	Observations & Corrective Actions	Due Date	Photographic Record
Dust	<p>As during previous inspections, water trucks were operating on site. Generation of dust was not observed to be an issue despite the number of vehicles operating across the site and the significant area of disturbed land.</p>		
Waste	<p>RCR have determined, under their traffic management procedures, the waste contractor trucks do not need to undergo plant acceptance checks as they are not conducting work on site. This closes out CA 130917-01.</p> <p>Waste cardboard boxes and wooden pallets continue to be stockpiled on-site while reuse and recycling options are being finalised. RCR advised that a sample of the material has been taken offsite to test it for suitability to mulch. RCR should ensure MSM Milling's licence and/or approval allows for the receipt of waste materials from off-site.</p>		
Flora and Fauna	<p>RCR are considering the suitability of nest boxes versus carved hollows for the site and seeking proposals from ecologists to inform the decision, including the potential locations and number of carved hollows. Following consultation with GHD's ecologists, we recommend prompt consultation with the Office of Environment and Heritage to discuss the alternative approach.</p> <p>Once a proposed program of nest boxes or carved hollows is developed, the ER expects to review for consistency with the Flora and Fauna Management Plan and Project Approval.</p> <p>Please note the FFMP required nest boxes to be installed within three months (by mid December 2017) after removal of the hollow bearing trees.</p>		

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Noise	<p>RCR have purchased noise monitoring equipment and are developing a noise monitoring program to assess the risks for personnel on-site as well as the noise impacts for neighbouring sensitive receptors. Noise monitoring is proposed to be conducted at the school and nearest sensitive receptor during the week ending 26/01/2018, subject to weather conditions. Results from the monitoring will be provided to the ER for review.</p>		
Soil and Water	<p>RCR have been in discussions with Local Land Services (LLS) regarding rehabilitation of disturbed areas. LLS advised the existing program of re-seeding within seven days of handover from the earthworks contractor was not appropriate during the summer months.</p> <p>RCR are reviewing their erosion and sediment control measures for disturbed areas, particularly the main drainage line through the site and the on-site dam. Options being considered include geotextile in the main drainage line, seeding with millet (which can survive the hot and dry summer conditions) and rolling out round hay bales. For the areas under the solar modules, seeding will be conducted in autumn as per the Groundcover Management Plan.</p>		
Hot Works	<p>RCR have been liaising with the local Rural Fire Service regarding changes to hot works protocols to provide water from the on-site dam in place of fire water tanks, and to allow for hot works in the field rather than just within the site compound. Sighted correspondence (email dated 10/01/2018) with RFS confirming their agreement with these changes.</p>		

Appendix A Corrective Actions Register

Reference	Action	Category <i>A: Stop Work</i> <i>B: Immediate Action</i> <i>C: Closed within 2 weeks</i> <i>D: Non-critical</i>	Date Opened	Responsibility	Date Closed
170810 – 01	Maintain spill kits in areas that are readily accessible in the event of a spill.	B	10/08/2017	RCR SCECO	13/09/2017
170810 – 02	Manage trenches in accordance with Protocol 4: Trenching to minimise trap hazard for fauna.	B	10/08/2017	RCR SCECO	13/09/2017
130917 – 01	Conduct appropriate checks and inductions on subcontractors, their staff and plant/equipment prior to conducting any work on the project.	C	13/09/2017	RCR SCECO	18/01/2017
111017 – 01	Fence rocky outcrops within the development envelope that are not to be disturbed	C	11/10/2017	RCR SCECO	14/11/2017

Reference	Action	Category A: Stop Work B: Immediate Action C: Closed within 2 weeks D: Non-critical	Date Opened	Responsibility	Date Closed
	including a 2.5m buffer as per FFMP or provide justification for not fencing.				
191217 – 01	Conduct maintenance on sediment fencing.	C	19/12/2017	RCR SCECO	20/12/2017
191217 – 02	Develop and implement a program for the installation of nest boxes in accordance with the FFMP.	C	19/12/2017	RCR SCECO	