





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

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Date of Inspection	14/06/2018	Location of Inspection	Manildra Solar Farm
ER	Demelza Scott	Proponent Representative	Bjorn Schultz
Weather	Fine and sunny	Construction Contractor Representative	Glenn Tilley
Inspection Summary	<p>Improvement Opportunities – 0      Corrective Actions – 2</p> <p>CA140618-01    Remove all litter from site and offsite before handover from RCR to First Solar.</p> <p>CA140618-02    Reinstate sediment fencing along southern boundary of MSF prior to handover from RCR to First Solar.</p> <p>Outstanding corrective actions are summarised in Appendix A.</p>		
Comments / Observations	<p>A number of contractors were on site at the time of the audit:</p> <ul style="list-style-type: none"><li>• Moving the power line alignment around the solar arrays</li><li>• Mulching cardboard and pallets</li><li>• Loading and transporting mulched material off site</li><li>• Electrical connection of remaining solar arrays.</li></ul> <p>The site is well into demobilisation with the site entry, storage facilities in the site compound and a number of the site buildings removed. RCR advised that the remaining site buildings would be removed from site before the next inspection. Remediation of the site compound area is to commence including stripping rock base, spreading topsoil and constructing a road on the neighbour's side of the boundary fence for access to the farm dam in the northeast corner. First Solar advised that handover is expected by the end of July.</p>		

Signed:  Environmental Representative

Issue	Observations & Corrective Actions	Due Date	Photographic Record
<b>Waste</b>	<p>Wind-blown litter from the mulched cardboard and pallets continued to be an issue on site and on the neighbour's property. RCR advised that the majority of litter was generated during loading of the mulched material onto trucks for transport to the Molong waste management facility. RCR advised that staff have been conducting daily pickups of plastic waste from the neighbour's property and across site.</p> <p>The mulching contractor and the waste transport contractor were on site at the time of the inspection (refer photos). One truck was observed leaving the site and the load was covered. RCR advised that all mulched material will be removed from site prior to the next inspection.</p> <p><b>Corrective Action 140618-01: Remove all litter from site and offsite before handover from RCR to First Solar.</b></p>		 

Issue	Observations & Corrective Actions	Due Date	Photographic Record
<b><i>Flora and Fauna</i></b>	<p>RCR and First Solar reported that all nest boxes have been installed.</p> <p>First Solar engaged Moir Landscapes to review the proposal by RCR to move the screening planting from the boundary of the solar farm to the boundary of the biodiversity offset area and Packham Drive, this planting would then go along the southern boundary of the biodiversity offset area and solar farm down to the O&amp;M buildings. First Solar are waiting on delivery of the report.</p>		

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**Soil and  
Water**



The sediment fence along the southern boundary is still dilapidated and no temporary erosion and sediment controls have been installed.

Rehabilitation of the batter along the southern boundary of the site, near the O&M building has been completed including jute mesh, mulching, tree planting, rock protection and drip irrigation. An additional batter is currently undergoing rehabilitation by the same contractor.

Germination across the site is very patchy as shown in the photos. Areas that weren't disturbed have a good cover of Lucerne, areas that were mulched with straw or woodchip show good signs of germination, weeds are establishing in some areas, some areas are yet to be seeded. RCR are still developing a plan for seeding the remaining areas of the site.

***Corrective Action 140618-02: Reinstate sediment fencing along southern boundary of MSF prior to handover from RCR to First Solar.***



Issue	Observations & Corrective Actions	Due Date	Photographic Record
			 

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## 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 <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
	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	25/05/2018
210218 – 01	Repeat construction noise monitoring at the residences of receptor 2 and receptor 5 to confirm whether noise generated by the project is below the Assessment Criteria and Work Generating High Noise Impact Levels.	B	21/02/2018	RCR SCECO	25/05/2018*



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
210218 – 02	Implement all practicable dust mitigation measures to cease emission of visible dust generated by the project.	B	21/02/2018	RCR SCECO	11/04/2018
210218 – 03	Place additional rock to stabilise the internal road on the north-east perimeter from water flowing onto site.	C	21/02/2018	RCR SCECO	
210218 – 04	On completion of construction, remove the access road from the array to the farm dam so as not to impede natural water flow.	D	21/02/2018	RCR SCECO	
110418-01	Implement stricter quality control on mulching of cardboard including smaller sizing,	C	11/04/2018	RCR SCECO	

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
	removal of plastic, nails and staples.				
110418-03	Conduct maintenance on sediment fences across the site, particularly on the south-western boundary.	B	11/04/2018	RCR SCECO	
230518-01	Manage wind-blown litter on site and on neighbouring properties including covering the mulch stockpiles with netting.	C	23/05/2018	RCR SCECO	
230518-02	Install temporary sediment controls along the southern boundary that can be moved and reinstated as works are conducted in the area.	C	23/05/2018	RCR SCECO	

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
230518-03	Confirm that the contractor will reshape the batter, spread topsoil and seed as well as secure jute matting or equivalent.	C	23/05/2018	RCR SCECO	14/06/2018
140618-01	Remove all litter from site and offsite before handover from RCR to First Solar.	B	16/08/2018	RCR SCECO	
140618-02	Reinstate sediment fencing along southern boundary of MSF prior to handover from RCR to First Solar.	C	16/08/2018	RCR SCECO	

\* DPE confirmed in an email on 10/05/2018 that they were satisfied with the action taken by RCR and First Solar.