

From: [Gavin Edgar](#)
 To: [Jure Domazet](#)
 Subject: FW: York Park Monitoring, DoEE Liaison, York Park Submission
 Date: Thursday, 14 September 2017 11:48:00 AM
 Attachments: [Image002.png](#)

From: Jessop, Robert [mailto:Robert.Jessop@smec.com]
Sent: Wednesday, 13 September 2017 12:00 PM
To: Gavin Edgar <gavin@domagroup.com.au>
Cc: Jessop, Robert <Robert.Jessop@smec.com>; Moore, David <David.Moore@smec.com>
Subject: RE: York Park Monitoring, DoEE Liaison, York Park Submission

Hi Gavin,

The Commonwealth-approved 5-year GSM Monitoring Plan, which was condition 2 of the EPBC approval, needs to be followed. The monitoring schedule in the plan is below. We had to have two years of pre-construction monitoring, while this year would be the 3rd year of post-construction monitoring and potential shading effects, totalling 5 years. We have had to wait until this year due to the larvae being in the ground for 2-3 years to perhaps see an effect taking place. While we will certainly question the need for monitoring this year, especially since the low number of pupae cases found makes analysis difficult, the DoEE are likely to want the third year of post-construction monitoring to complete the minimum 5 year monitoring program. This would comply with the 3 consecutive years of post-construction monitoring that you have highlighted.

Regards, Rob.

Table 2. Indicative monitoring schedule.

Year	Monitoring and Reporting*	Task	Date	Responsibility	Analysis	Comment
2013	Baseline data collection (year 1)	<ul style="list-style-type: none"> Pupal case count Vegetation assessment 	Nov-Dec (approximate)	Approval holder	No BACI analysis – no post impact data.	First year of pre-shading data collection <i>Year 1 data completed</i>
		<ul style="list-style-type: none"> Flying moth count 	Nov-Dec (approximate)	Umwelt (Australia) Pty Ltd on behalf of DOF		
	Reporting year 1	<ul style="list-style-type: none"> Monitoring 	February (2014)			Reporting of baseline data collection only
2014			February	Approval holder		PROJECT CONSTRUCTION STARTS
	Baseline data collection (year 2)	<ul style="list-style-type: none"> Pupal case count Vegetation assessment Flying moth count 	Nov-Dec (approximate)	Approval holder	No BACI analysis – no post impact data. Combine 2013 baseline data.	Second year of pre-shading data collection
	Reporting year 2	<ul style="list-style-type: none"> Monitoring (Compliance) 	February (2015) March (2015)			Reporting of baseline data collection only.
			November (2014)	Approval holder		Project reaches maximum height. Shading of York Park would not occur until early winter 2015.
2015	GSM larvae intermediate year 1 data collection	<ul style="list-style-type: none"> Pupal case count Vegetation assessment Flying moth count 	Nov-Dec (approximate)	Approval holder	No BACI analysis – in-ground larvae confounding. Qualitative data review only	First year of potential shading impact First year of in-ground larvae overlap
		<ul style="list-style-type: none"> Monitoring Compliance 	February (2016) March (2016)			Reporting of data collection and qualitative data review.

York Park GSM Monitoring Plan 5 June 2014

Year	Monitoring and Reporting*	Task	Date	Responsibility	Analysis	Comment
			August (2015)	Approval holder		PROJECT COMPLETED
2016	GSM larvae Intermediate year 2 data collection	<ul style="list-style-type: none"> Pupal case count Vegetation assessment Flying moth count 	Nov-Dec (approximate)	Approval holder	No BACI analysis – in-ground larvae confounding. Qualitative data review only	Second year of potential shading impact Final year of in-ground larvae overlap
		<ul style="list-style-type: none"> Monitoring Compliance 	February (2017) March (2017)			Reporting of data collection and qualitative data review.
2017	GSM larvae intermediate year 3 Post impact data collection	<ul style="list-style-type: none"> Pupal case count Vegetation assessment Flying moth count 	Nov-Dec (approximate)	Approval holder	Multiple year BACI analysis using data from 2013, 2014, 2016 and 2017.	Third year of potential shading impact Interpretation of results should consider that adults emerging in 2016 may have hatched from eggs deposited in 2013 prior to potential winter shading impact.
		<ul style="list-style-type: none"> Monitoring Compliance 	February (2018) March (2018)			Reporting of data collection and BACI analysis.
2018	Post impact data	<ul style="list-style-type: none"> Pupal case count 	Nov-Dec	Approval holder	Multiple year	Ongoing potential shading impact

- 2022	collection	<ul style="list-style-type: none"> Vegetation assessment Flying moth count 	(approximate)		BACI analysis.	monitoring
		<ul style="list-style-type: none"> Monitoring Compliance 	February (following year) March (following year)			Reporting of data collection and BACI analysis.
2022 – 20++	Monitoring ceases or continues as above.					Monitoring and reporting requirements may cease if the Commonwealth agrees that, after an 8 year period, GSM population declines, due to shading, over three consecutive years have not occurred (refer Condition 5).

* Compliance reporting – Reporting GSM management performance is a part of the overall project compliance reporting. The reporting date, i.e. within three months of the 12 month anniversary of the action commencing (Condition 8), is an approximation based on project construction starting in February 2014.

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