

From: [Lilia Donkova](#)
To: [Jack Murphy](#)
Cc: [Doris Yau](#)
Subject: RE: Sebastopol Solar Farm Battery Storage Hazard
Date: Tuesday, 6 November 2018 9:19:40 AM

Hi Jack,

I have finalised the hazard and risk review for the abovementioned development.

The development, if approved, would consist of :

- ground-mounted photovoltaic solar array;
- battery storage ;
- substation; and
- associated with the development infrastructure, office, operations and maintenance buildings.

In the context of SEPP 33, the main hazard associated with the above development is the battery storage. The total capacity of the battery storage is proposed to be approximately 144MWh/101 MW. The proposal would comprise lithium-ion batteries housed across the site in up to 30 customised containers with inverters. The capacity of each container is estimated to be 4.8MWh/3.36MW (based on using Samsung-Sungrow Li-ion battery pack). The EIS considers the application of SEPP 33 to the proposed battery storage and based on the storage configuration and the capacity of a single container, concludes that the proposal is not potentially hazardous and therefore a PHA is not required. Nevertheless, the potential fire hazards of the batteries is recognised and a number of control measures are listed in the EIS to minimise the potential for an incident.

Based on the information provided in the EIS, and assuming all control measures listed in the EIS will be implemented and maintained, the Department concludes that potential for harm from the development is insignificant and further assessment of the risk is not warranted. To ensure the development will be designed, built and operated safely, the control measures listed in the EIS should be implemented and maintained.

Regards,

Lilia

Lilia Donkova

Hazards and Risk Consultant

Department of Planning and Environment

Please note I am in the office Monday - Wednesday

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lilia.donkova@planning.nsw.gov.au

From: Jack Murphy
Sent: Monday, 22 October 2018 10:45 AM
To: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>
Subject: RE: Sebastopol Solar Farm Battery Storage Hazard

Hi Lilia

Thanks for that, much appreciated.

Cheers

Jack

Jack Murphy
Environmental Assessment Officer
Resource Assessments | Planning Services
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From: Lilia Donkova
Sent: Monday, 22 October 2018 10:30 AM
To: Jack Murphy <Jack.Murphy@planning.nsw.gov.au>
Cc: Doris Yau <doris.yau@planning.nsw.gov.au>; Nicholas Hon <Nicholas.Hon@planning.nsw.gov.au>
Subject: RE: Sebastopol Solar Farm Battery Storage Hazard

Hi Jack,

I'm not usually in the office Thu and Fri, so today is my first day back. I note that the documents has been placed on public exhibition on 10 Oct, but we have not been informed about it. I have a couple of urgent requests before I look into this one. I will try my best to provide my advice before the end of the pblic exhibition.

Please call me if you'd like to discuss.

Cheers,

Lilia

Lilia Donkova

Hazards and Risk Consultant

Department of Planning and Environment

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From: Jack Murphy

Sent: Monday, 22 October 2018 9:50 AM

To: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>

Subject: FW: Sebastopol Solar Farm Battery Storage Hazard

Good Morning Lilia

Just following up, if you've had a chance to look at the below?

Kind Regards

Jack

Jack Murphy

Environmental Assessment Officer

Resource Assessments | Planning Services

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From: Jack Murphy

Sent: Thursday, 18 October 2018 3:15 PM

To: Lilia Donkova <lilia.donkova@planning.nsw.gov.au>

Subject: Sebastopol Solar Farm Battery Storage Hazard

Good Afternoon Lilia

I'm after some hazards related advice for Sebastopol Solar Farm.

The EIS can be found:

http://www.majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=9098

Any help would be much appreciated.

Kind Regards

Jack

Jack Murphy

Environmental Assessment Officer

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