

# Hydrocarbon and Hazardous Substances Plan

for

## Kiata Wind Farm

### INTRODUCTION

This plan is prepared pursuant to Condition 47 in the conditions attached to the Planning Permit (No. PA1500023) for the Kiata Wind Farm project issued by the Victorian Minister of Planning.

During construction and operation of the wind farm, the following potential impacts may result from the storage and use of hydrocarbons and hazardous substances:

- Spills of substances from storage
- Spills of substances during transport and refuelling
- Contamination of soil or water
- Maintenance and repair of plant and equipment
- Fire

### OBJECTIVES

The objectives of the construction and operational teams will be to:

- Minimise harm to the environment from fuels, lubricants and waste oil
- Store substances in bunded and covered storage
- Use work methods that prevent spills during construction works and equipment repair activities
- Manage subcontractors (equipment repair contractors) in a similar way
- Control spills as quickly as possible
- Comply with statutory standards
- Implement fire prevention and response measures

### REFERENCES AND STANDARDS

The following references and standards will be adhered to during the construction of the wind farm

- Victorian EPA Publication 347 *Bunding*
- Victorian Code of Practice No 27 *Dangerous Goods Storage and Handling 2000*
- Australian Standard AS1940:2004 *Storage and Handling of Flammable and Combustible Materials*

ENDORSED TO COMPLY WITH CONDITION <u>42 &amp; 47</u> OF PLANNING PERMIT	PA1500023
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PLANNING and ENVIRONMENT ACT PLANNING SCHEME	
PERMIT No.	PA1500023
MODIFIED ENDORSED PLAN	
Signed..... MINISTER FOR PLANNING	
Date	09/03/2017

Issue	Control measure	Permit condition
Storage of potential contaminants (inc. hazardous materials & fuels)	<ul style="list-style-type: none"> <li>• Establish a register of safety and environmental risks and a register of substances</li> <li>• Ensure all potential contaminants used onsite are recorded in each register</li> <li>• Carry out a risk assessment for all hazardous substances or dangerous goods used on site during construction</li> <li>• Establish a dangerous goods and hazardous substances storage facility during construction</li> <li>• Keep storage quantities to a minimum to cater for demand but avoid excessive storage for long periods</li> <li>• Store quantities of less than 1200 litres undercover on an impervious base, away from stormwater drains and pits, and near a spill kit</li> <li>• Store chemicals of quantity greater than 400 litres in 110% bunded areas</li> <li>• Install self-contained bunded lockers in the permanent storage facility</li> <li>• Post-construction, store fuels, lubricants, waste oil or other hazardous substances or potential contaminants undercover within an adequately sized bunded area</li> <li>• Comply with EPA Publication 347 <i>Bunding</i></li> </ul>	47a (& 44a)
Spills and leaks	<ul style="list-style-type: none"> <li>• Conduct a spill assessment prior to commencing works documenting the type, volume and location of spill kits</li> <li>• Ensure spill kits are placed every 30 - 40m throughout the site during construction and at designated storage locations</li> <li>• Provide specialised oil/fuel spill kit where there is potential for hydrocarbon spills near water</li> <li>• Provide specialised hazchem spill kits where there is potential for hazardous chemical spills</li> <li>• Size spill kits according to the volume of the potential spill ie 1000l kit or 4 x 240l kit for 1000l IBC, 240l kit for 205l drum, 120l kit for 20 – 60l drums</li> <li>• Provide absorbents appropriate to the type of surface ie loose absorbents for dirt or bitumen, hydrocarbon only absorbents for water (for hydrocarbon spills), pads or loose absorbents for concrete</li> <li>• Provide appropriate equipment depending on where liquids are stored ie a bund filter for bunds, a drain seal near a drain</li> <li>• Inspect spill kits on a 6 monthly basis (minimum) to ensure they continue to be appropriate</li> <li>• Report any pollution incidents to the relevant authorities including EPA Victoria (1300 372 842)</li> <li>• Comply with EPA publication 480 <i>Environmental Guidelines for Major Construction Sites</i></li> </ul>	47b (& 44b)