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| **DISCLAIMER**  All spill trajectory modelling predictions are for the exclusive use of the National Plan requesting agency and not for third party use. The spill trajectory predictions, opinions and interpretations contained in predictions are based on observations and data supplied by the requesting agency and information sources available to AMSA. The computer model predictions, interpretations or opinions expressed represent the best judgement of AMSA’s skilled personnel, and AMSA and its personnel or advisers, assume no responsibility and make no warranty or representations as to the accuracy or reliability of the predictions. The accuracy of predictions may be adversely affected where modelling is carried out for spills in enclosed waters, estuaries, close to shore, or when only low resolution data are available.  The use and mention of any specialist software or equipment does not represent endorsement of these products by AMSA. |

**Type of Spill:** OilChemical

**Priority of request:** Urgent spill incident Routine/contingency planning Exercise planning

**Note:**

**Urgent requests** (incidents) will be sent from AMSA directly to RPS APASA for expert response and delivery.

**Non-urgent requests** (exercises or contingency planning support) may be completed by AMSA, but require at least one months’ notice. If results are required earlier, the jurisdiction requesting may wish to request and pay RPS APASA to complete the task. Please call 02 6279 5000 during office hours to discuss options.

**Incident / spill / exercise name or identifier** (if multiple modeling requests anticipated, please use a unique identifier for each)

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| **Name of requesting organisation** | | **Name of requesting person and position in response** | |  |
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| **Contact telephone number** | **Email address of requesting person** | | **Email Address for model output** (if different from requesting person) |  |
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**Format of coordinate** (select one only) **Latitude of spill Longitude of spill**

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| --- | --- | --- |
| **Degrees & decimal degrees** | .     o | .     o |
| **Degrees, minutes & decimal minutes** | o  .    ’ | o  .    ’ |
| **Degrees, minutes & seconds** | o  ’    ” | o  ’    ” |
| **Spill start date** (e.g. 23 08 2014)  Day Month Year | **Spill start time** (spill site local time, 24 hour clock) | **Local time used** (e.g. EST, CST, WST, UTC, daylight saving, etc.) |

**Type of chemical/oil to be modelled** (NB. be as specific as possible with the description – it may be a trade name, a generic type, from documentation such as a MSDS or manifest. Where possible, please attach to any email a copy (scanned) of the chemical/oil MSDS.)

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| **Name** | **Type** | **Grade** | **CAS Number** (if known) |

**Estimated volume or amount of spill**. (Select one only.) If exact spill quantity is unknown, for modelling purposes, provide your best estimate of the maximum quantity of spill.

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| **Tonnes** | **Cubic** **metres** | **Litres** | **Barrels** |

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| **Extent of the spill slick** (surface area) |  | **m2** (the size or coverage of slick or plume affects evaporation rate) |
| **Depth of spill release** |  | **m** (Leave as 0 (zero) if there is **no** sub-surface release) |
| **Known or estimated duration of spill discharge** |  | **hours** (for instantaneous spill use zero) |
| **How long do you want the model prediction for?** |  | **hours** (e.g. 12, 24, 36 hrs) (Note: Predictions beyond 36 hrs become fairly meaningless – you may wish to re-run the model at a later time, when conditions change, or using locally observed data.) |
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**Ambient (spill site) information**

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| **Surface water temperature at spill site** |  | **OC** (if not available, the modeler will use an seasonal data) |

**Wind speed and direction at the spill location is vital to the effectiveness of the spill simulation model.**

Select only one option from the four below. (no wind, real wind, fixed wind or variable wind)

**No wind** (Note: This is very rare – even small amounts of wind create enough energy to help slicks move, evaporate or disperse.)

**Real wind data for the date** (Note: The modelers will use the data available to them from environmental data sources.)

**Fixed wind speeds** (Note: The modelers will use the data below for entire duration of the prediction.)

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| Knots | Direction (e.g. use 16 wind compass rose – N or NW or WNW – or degrees) |

**Variable wind speeds** Enter information into columns below starting at the time of the spill and for the duration of simulation required.

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| --- | --- | --- | --- | --- | --- |
| Date  (dd/mm/yy) | Time at site  (24 hr clock and local time used) | Wind speed  (knots) | Wind direction  (use 16 wind compass rose or degrees) |  |  |
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|  |  |  |  |  | **Note:**  For urgent requests for real spills, AMSA’s contract with RPS APASA requires a model output response to the requestor within a maximum of 90 minutes during office hours and 120 minutes during times.  Also, expect the RPS APASA Duty Officer to contact you, as requester, to seek more information or clarify detail, to discuss output requirements (see comments box for options) and to assist you to understand and interpret the results.  The AMSA Marine Pollution Duty Officer is also available to you to assist you complete the form, receive model outputs and to interpret the results. |
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**Additional comments:**

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| Add here any extra information available. For an incident request the RPS APASA modeler may contact you directly by phone to discuss input details and to seek your advice about what output format you want. Options incl: JPEG (images); PPT (Powerpoint); GIS (shapefiles); AVI (movie); KMZ (Google Earth); Chemical spill report. |

**Save the completed form or scan the hand-written document. Contact the AMSA Marine Pollution Duty Officer, through AMSA Search and Rescue (24/7) on 1800 641 792, for further instructions.**

**Do not fax this form.**