

OIL SPILL RESPONSE CHECKLIST: DISPERSANT USE IN ZONES 2 AND 3 AND IN UNDESIGNATED AREAS

I. SPILL DATA (To be completed by responding party and submitted to Federal On-Scene Coordinator)

- A. **Name of Incident:** _____
- B. Date and time of incident: **Month/Day/Year:** _____ **Time:** _____
- C. Incident: Grounding: _____
Collision: _____ Blowout: _____ Other: _____
- D. Did source burn? Yes _____ No _____
Is source still burning? Yes _____ No _____
- E. Spill location: **Latitude** _____ **Longitude** _____
- F. Distance (in miles) and direction to nearest land: _____
nearest town: _____
- G. Product released: North Slope Crude _____ Cook Inlet Crude _____ JP4 _____
Chevron Residual _____ Diesel #2 _____ Other _____
- H. Product easily emulsified? Yes _____ No _____
- I. Product already emulsified? No _____ Light emulsion (0-20%) _____
Moderate emulsion (21-50%) _____ Heavy emulsion (>51%) _____ Unknown _____
- J. Estimated volume of released product: _____ gals _____ bbls _____
- K. **Estimated volume of produce potentially released:** _____ gals _____ bbls
- L. Release status: Continuous _____ Intermittent _____
One time only, now stopped _____
If continuous or intermittent, specify rate of release: _____ gals _____ bbls _____
- M. Estimated water surface covered (square miles) _____

II. WEATHER AND WATER CONDITIONS AT THE TIME AND LOCATION OF THE SPILL (To be completed by responding party and submitted to Federal On-Scene Coordinator)

- A. Temperature: Air _____°F Water _____°F
- B. Weather: Clear _____ Partly Cloudy _____ Overcast _____
Rain _____ Snow _____ Fog _____
- C. Tidal State: Slack Tide _____ Incoming (flood) _____ Outgoing (ebb) _____
- D. Dominant current, net drift: Speed _____ kts Direction (from) _____
- E. Wind Speed: _____ knots Direction (from) _____
- F. Sea State: Calm _____ Choppy _____ Swell _____
Waves: < 1 ft. _____ 1 - 3 ft _____ > 3 ft _____
- G. Water depth (fathoms _____ ftt _____): 0-3 _____ 4-10 _____ 11-30 _____ 31-99 _____ > 100 _____

H. Ice Present: Yes _____ No _____;
 Percent coverage: < 10% _____ 11-30% _____ 31-50% _____ 51-100% _____

I. Other considerations: Low visibility _____ Rip tides _____ Whirlpools _____
 Eddies _____ Other _____

Note: (1) See Section IV for weather and water conditions forecast (to be completed by NOAA Scientific Support Coordinator).
 (2) See Section V for predicted oil behavior (to be completed by NOAA Scientific Support Coordinator).
 (3) Responding party has option of also submitting information on predicted oil behavior to Federal On-Scene Coordinator.

III. PROPOSED DISPERSANT USE PLAN (To be completed by responding party and submitted to Federal On-Scene Coordinator)

A. Reason for requesting dispersant use: _____

B. Dispersant zone where dispersant would be applied (check one or more):
 Zone 1 _ Zone 2 _____ Zone 3 _

C. Location of area to be treated relative to the following, as shown on attached chart:
 Slick/Trajectory _____
 Dispersant zone _____
 Nearest Land _____

D. Name of the dispersant proposed for use:
 COREXIT 9527 _ COREXIT 9550 _____ OFC D-609 _____ Other _____

E. Application Platform(s): C-130 _____ Helicopter _____ Vessel _____
 Safety Plan for applicable Platform in place? Yes _____ No _____

F. Dispersant dosage goals:
 Ratio of dispersant-to-oil: 1:20 _____ Other _____
 Gallons per acre: _____ 5 gals per acre Other _____

G. Total amount of dispersant to be used: _____ gals.

H. Time of dispersant application: Start time _____ Day _____
 Finish time _____ Day _____

I. Estimated percentage of spill area to be treated:
 1-5% ___ 6-20% ___ 21-40% ___ 41-70% ___ 71-99% ___ 100% ___

Signature of Requester: _____

Printed Name of Requester: _____

Title of Requester: _____

Requester Affiliation: _____

Requester Representing: _____

Time & Date Request Submitted to FOSC: _____

IV. WEATHER AND WATER CONDITION FORECAST FROM TIME OF SPILL. (To be completed by NOAA Scientific Support Coordinator)

A. Wind Speed (knots):

24-hour projection: _____

48-hour projection: _____

Wind Direction (from):

24-hour projection: _____

48-hour projection: _____

C. Sea conditions:

24-hour projection:

Calm ____ Choppy ____ Waves < 1 ft ____ Waves 1-3 ft ____ Waves > 3 ft ____

48-hour projection:

Calm ____ Choppy ____ Waves < 1 ft ____ Waves 1-3 ft ____ Waves > 3 ft ____

D. Tidal information for three tidal cycles (see attached graph).

E. Dominant current (net drift):

Speed: _____ knots Direction (from): _____

V. PREDICTED OIL BEHAVIOR (To be completed by NOAA Scientific Support Coordinator).

Untreated oil forecast:

Estimated trajectory (see attached graph): _____

Expected area(s) and time(s) of land fall: _____

Estimated percent naturally dispersed and evaporated within first 24 hours: _____

VI. RESOURCES AT RISK (To be completed by Resource Agencies)

A. Habitats (see attached charts):

- _____ Sheltered tidal flats
- _____ Coastal marshes
- _____ Other

B. Biological Resources (see attached charts):

Taxon	Distribution		Estimated # of Individuals				
	General	Concentrate	1-10	11-50	51-100	101-1000	>1000
Endangered/Threatened Species							
1.							
2.							
3.							
Non-endangered/Threatened Species							
Sea Otters							
Fur seals							
Other seals							
Toothed whales							
Baleen whales							
Polar bears							
Walrus							
Waterfowl							
Seabirds							
Diving birds							
Shorebirds							
Raptors							
Ungulates							
Bears (brown & black)							
Furbearers							

Fish:

- Pelagic & Larval _____
- Bottomfish: _____
- Intertidal mollusks: _____
- Crustacea: _____

C. Human Resources:

- Commercial facilities and enterprises _____ (see attached chart)
- Public facilities and enterprises _____ (see attached chart)

Historic and archaeological resources:

Present ____, (Appropriate information to be provided to FOSC).

Not present _ Unknown __

Commercial harvest areas:

Generally distributed ____ Concentrated ____ (see attached chart)

Subsistence harvest areas:

Generally distributed ____ Concentrated ____ (see attached chart)

VII. FEDERAL ON-SCENE COORDINATOR'S EVALUATION OF RESPONSE OPTIONS (To be completed by Federal On-Scene Coordinator)

- A. Has mechanical clean-up been fully evaluated? Yes ____ No _____
- B. Has in-situ burning been fully evaluated? Yes ____ No _____
- C. Why is dispersant use necessary? _____
- D. Will dispersants be used in addition to mechanical recovery and/or in-situ burning?
Yes ____ No ____
- E. Will dispersants be used instead of mechanical recovery and/or in-situ burning?
Yes ____ No ____

VIII. ALASKA REGIONAL RESPONSE TEAM RECOMMENDATION TO FEDERAL ON-SCENE COORDINATOR REGARDING DISPERSANT USE (To be completed by Alaska Regional Response Team Co-Chairman).

Time and Date request received by Alaska Regional Response Team Co-Chairman: _____

- A. ____ No dispersants may be applied.
- B. ____ Dispersants may be used under noted conditions (if any) in limited or selected areas (see attached chart).
- C. ____ Dispersants may be applied as requested above in Section III.*

*Requests exceeding 20 gallons per acre require Alaska Regional Response Team approval.

Signature of ARRT Co-Chairman: _____

Printed Name of ARRT Co-Chairman: _____

Time and Date of Recommendation: _____

**IX. FEDERAL ON-SCENE COORDINATOR'S DECISION REGARDING DISPERSANT USE -
BASED ON ARRT GUIDELINES & DECISION MATRIX (To be completed by Federal On-
Scene Coordinator)**

Time and Date Request Submitted to Federal On-Scene Coordinator: _____

- A. _____ No dispersants may be applied.
- B. _____ Dispersants may be used under noted conditions (if any) and in limited or selected areas (see attached chart).
- C. _____ Dispersants may be applied as requested above in Section II.*

*Requests exceeding 20 gals/acre require Alaska Regional Response Team approval.

Signature of Federal On-Scene Coordinator: _____

Printed Name of Federal On-Scene Coordinator: _____

Time and Date of Decision: _____

OIL SPILL RESPONSE CHECKLIST: DISPERSANT USE IN ZONES 2 AND 3 AND IN UNDESIGNATED AREAS

I. SPILL DATA (To be completed by responding party and submitted to Federal On-Scene Coordinator)

A. Name of Incident: T/V Cook Inlet oil spill

B. Date and time of incident: Month/Day/Year: 4/15/05 Time: 0830

C. Incident: Grounding Transfer Operations Explosion
Collision: Blowout: Other:

D. Did source burn? Yes No
Is source still burning? Yes No

E. Spill location: Latitude 59 06'N Longitude 151 41'W

F. Distance (in miles) and direction to nearest land: <1 mile N
nearest town: Nanwalek

G. Product released: North Slope Crude Cook Inlet Crude JP4
Chevron Residual Diesel #2 Other

H. Product easily emulsified? Yes No

I. Product already emulsified? No Light emulsion (0-20%)
Moderate emulsion (21-50%) Heavy emulsion (>51%) Unknown

J. Estimated volume of released product: 380,000 gals bbls

K. Estimated volume of produce potentially released: 380,000 gals bbls

L. Release status: Continuous Intermittent
One time only, now stopped
If continuous or intermittent, specify rate of release: 90 gals bbls

M. Estimated water surface covered (square miles) 5

II. WEATHER AND WATER CONDITIONS AT THE TIME AND LOCATION OF THE SPILL (To be completed by responding party and submitted to Federal On-Scene Coordinator)

A. Temperature: Air 39 °F Water 45 °F

B. Weather: Clear Partly Cloudy Overcast
Rain Snow Fog

C. Tidal State: Slack Tide Incoming (flood) Outgoing (ebb)

D. Dominant current, net drift: Speed 3 kts Direction (from) NW

E. Wind Speed: 5 knots Direction (from) NW

F. Sea State: Calm Choppy Swell
Waves: < 1 ft. 1 - 3 ft > 3 ft

G. Water depth (fathoms ft): 0-3 4-10 11-30 31-99 > 100

H. Ice Present: Yes No ;
 Percent coverage: < 10% 11-30% 31-50% 51-100%
 I. Other considerations: Low visibility Rip tides Whirlpools
 Eddies Other

Note: (1) See Section IV for weather and water conditions forecast (to be completed by NOAA Scientific Support Coordinator).
 (2) See Section V for predicted oil behavior (to be completed by NOAA Scientific Support Coordinator).
 (3) Responding party has option of also submitting information on predicted oil behavior to Federal On-Scene Coordinator.

III. PROPOSED DISPERSANT USE PLAN (To be completed by responding party and submitted to Federal On-Scene Coordinator)

A. Reason for requesting dispersant use:

B. Dispersant zone where dispersant would be applied (check one or more):
 Zone 1 Zone 2 Zone 3

C. Location of area to be treated relative to the following, as shown on attached chart:
 Slick/Trajectory
 Dispersant zone
 Nearest Land

D. Name of the dispersant proposed for use:
 COREXIT 9527 COREXIT 9550 OFC D-609 Other

E. Application Platform(s): C-130 Helicopter Vessel
 Safety Plan for applicable Platform in place? Yes No

F. Dispersant dosage goals:
 Ratio of dispersant-to-oil: 1:20 Other
 Gallons per acre: 5 gals per acre Other

G. Total amount of dispersant to be used: gals.

H. Time of dispersant application: Start time Day
 Finish time Day

I. Estimated percentage of spill area to be treated:
 1-5% 6-20% 21-40% 41-70% 71-99% 100%

Signature of Requester:
 Printed Name of Requester:
 Title of Requester:
 Requester Affiliation:
 Requester Representing:
 Time & Date Request Submitted to FOSC:

IV. WEATHER AND WATER CONDITION FORECAST FROM TIME OF SPILL. (To be completed by NOAA Scientific Support Coordinator)

A. Wind Speed (knots):

24-hour projection:

48-hour projection:

Wind Direction (from):

24-hour projection:

48-hour projection:

C. Sea conditions:

24-hour projection:

Calm Chippy Waves < 1 ft Waves 1-3 ft Waves > 3 ft

48-hour projection:

Calm Chippy Waves < 1 ft Waves 1-3 ft Waves > 3 ft

D. Tidal information for three tidal cycles (see attached graph).

E. Dominant current (net drift):

Speed: knots Direction (from):

V. PREDICTED OIL BEHAVIOR (To be completed by NOAA Scientific Support Coordinator).

Untreated oil forecast:

Estimated trajectory (see attached graph):

Expected area(s) and time(s) of land fall:

Estimated percent naturally dispersed and evaporated within first 24 hours:

EXAMPLE

VI. RESOURCES AT RISK (To be completed by Resource Agencies)

A. Habitats (see attached charts):

- Sheltered tidal flats
- Coastal marshes
- Other

B. Biological Resources (see attached charts):

Taxon	Distribution		Estimated # of Individuals				
	General	Concentrate	1-10	11-50	51-100	101-1000	>1000
Endangered/Threatened Species							
1.							
2.							
3.							
Non-endangered/Threatened Species							
Sea Otters		✓		✓			
Fur seals	✓			✓			
Other seals	✓		✓				
Toothed whales	✓			✓			
Baleen whales	✓		✓				
Polar bears							
Walrus							
Waterfowl	✓					✓	
Seabirds		✓				✓	
Diving birds	✓					✓	
Shorebirds	✓				✓		
Raptors	✓				✓		
Ungulates	✓				✓		
Bears (brown & black)	✓				✓		
Furbearers	✓				✓		

Fish:

Pelagic & Larval

Bottomfish:

Intertidal mollusks:

Crustacea:

C. Human Resources:

Commercial facilities and enterprises (see attached chart)

Public facilities and enterprises (see attached chart)

Historic and archaeological resources:

Present , (Appropriate information to be provided to FOSC).

Not present Unknown

Commercial harvest areas:

Generally distributed Concentrated (see attached chart)

Subsistence harvest areas:

Generally distributed Concentrated (see attached chart)

VII. FEDERAL ON-SCENE COORDINATOR'S EVALUATION OF RESPONSE OPTIONS (To be completed by Federal On-Scene Coordinator)

A. Has mechanical clean-up been fully evaluated? Yes No

B. Has in-situ burning been fully evaluated? Yes No

C. Why is dispersant use necessary?

D. Will dispersants be used in addition to mechanical recovery and/or in-situ burning?

Yes No

E. Will dispersants be used instead of mechanical recovery and/or in-situ burning?

Yes No

VIII. ALASKA REGIONAL RESPONSE TEAM RECOMMENDATION TO FEDERAL ON-SCENE COORDINATOR REGARDING DISPERSANT USE (To be completed by Alaska Regional Response Team Co-Chairman).

Time and Date request received by Alaska Regional Response Team Co-Chairman:

A. No dispersants may be applied.

B. Dispersants may be used under noted conditions (if any) in limited or selected areas (see attached chart).

C. Dispersants may be applied as requested above in Section III.*

*Requests exceeding 20 gallons per acre require Alaska Regional Response Team approval.

Signature of ARRT Co-Chairman: _____

Printed Name of ARRT Co-Chairman:

Time and Date of Recommendation:

**IX. FEDERAL ON-SCENE COORDINATOR'S DECISION REGARDING DISPERSANT USE -
BASED ON ARRT GUIDELINES & DECISION MATRIX (To be completed by Federal On-
Scene Coordinator)**

Time and Date Request Submitted to Federal On-Scene Coordinator:

- A. No dispersants may be applied.
- B. Dispersants may be used under noted conditions (if any) and in limited or selected areas (see attached chart).
- C. Dispersants may be applied as requested above in Section II.*

*Requests exceeding 20 gals/acre require Alaska Regional Response Team approval.

Signature of Federal On-Scene Coordinator:

Printed Name of Federal On-Scene Coordinator:

Time and Date of Decision:

Example

More Information on this Form

When do you need this form?

When dispersant use is requested in zone 2 or 3 of Alaska waters.

Who fills out this form?

An appropriate permitter with the responsible party.

Who signs this form?

The requestor and the Federal On-scene Coordinator.

Where does this form get delivered?

This plan should be vetted through the appropriate ICS positions.
In addition, the State of Alaska has conditions of approval that need to be met. See attached letter.

555 Cordova Street, 2nd Floor
Anchorage, AK 99501
PHONE: (907) 269-7557
FAX: (907) 269-7648
<http://www.state.ak.us/dec/home.htm>

**PREVENTION EMERGENCY RESPONSE PROGRAM
CENTRAL ALASKA RESPONSE TEAM**

RE: Conditions of Approval for Application of Chemical Countermeasures.

Dear _____ :

This letter is in regards to ADEC's approval for Zone 2 and 3 Dispersant Applications. Zone 1 is exempt from this approval, since the Federal On-Scene Coordinator can approve it. These conditions will enable and aid in the study of the dispersant efficiency, for future reference. Please be advised that the State of Alaska approval for the application of dispersant in Zone 2 and 3 will be subject to the following conditions:

1. The approval will be valid for the date approved. Approval for subsequent dispersant application shall be subject to daily evaluation by the Alaska Regional Response Team and the Unified Command approval.
2. The applicant or Responsible Party (RP) shall provide for the collection of data during the application operation including: swath width, dispersant spraying speed, aerial coverage rate, spraying time, and global positioning readings to document the location of the application area, estimated surface area treated with dispersant, and the volume of dispersant applied. This information must be provided to the Department on a daily basis.
3. The On-Water Dispersant Monitoring Team should be mobilized and on site, ready to take samples as soon as possible but no later than 12 hours after approval of Dispersant Application.
4. Along with the application for Dispersant Approval a Sampling Plan should be submitted for the Fluorometer and Grab Sampling procedures and, provisions for laboratory analysis of dissolved, aromatic, and aliphatic fractions of the oil within the water column at various depths. This plan is subject to the Department's approval and after approval the applicant should adhere to this plan.
5. The applicant shall implement on-water monitoring and sampling within 20 minutes of dispersant application to confirm effective dispersion of oil. Real-time monitoring procedures described within the Special Monitoring of Applied Response Technologies (SMART) Dispersant Module shall be equivalent to those performed

during this operation. The on-water or 'Tier II' monitoring team as described within the SMART procedures must ensure sampling to provide confirmation that the oil has been dispersed. Fluorometer readings should be taken at the surface, and depths of 1m, 5m, and 10m. Baseline Data collection shall also provide sampling for the untreated, unoiled water's physical and chemical parameters, including pH, temperature, turbidity, conductivity and dissolved oxygen content, since these do affect the optimum efficiency of the dispersants.

A State of Alaska representative shall also be included on this monitoring vessel to observe sample collection and documentation. Data gathered during the on-water sampling shall be submitted to the Department on a daily basis for consideration in continued dispersant operations.

6. The applicant shall also provide for monitoring in-water concentrations and fate of dispersed oil using grab sampling for later laboratory analysis. Grab samples should be taken at the surface, and depths of 1m, 5m, and 10m.

Completion of analysis of samples collected during operations is projected to take up to a month. This analysis report shall be submitted to the Department within 24 hours of receipt of the laboratory data. Extension to this date is subject to Department approval.

7. The applicant shall include State of Alaska observers on the dispersant spotter aircraft to monitor real-time application and visually evaluate effectiveness of the dispersion of oil within the application area.

If you have any questions please contact me at 907-269-7543

Sincerely,

Gary Folley
State On-Scene Coordinator

cc: Captain Mark DeVries, USCG
Matt Carr, EPA
Betty Schorr, IPPP/Marine Vessels/Valdez