

IAP Cover Sheet

Incident Name:

FS2 Transit Oil Line Leak

Operational Period to be covered by IAP:

Period 4 IAP (8/7/2006 18:00 to 8/8/2006 18:00)

Approved by:

FOSC : _____

SOSC : _____

RPIC : _____

Incident Action Plan



Prepared By:

IAP Cover Sheet

Prepared Date/Time:

8/7/2006 19:13

Printed: 8/7/2006 20:05

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Weather Report

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Planning at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: 08/07/06 1850 |

Present Conditions

| | |
|---------------------------------------|----------------------------------|
| Wind Speed: 5 - 10 mph | Wave Height: |
| Wind Direction From The: NNW | Wave Direction: |
| Air Temperature: 44 Fahrenheit | Swell Height: |
| Barometric Pressure: 29.76 | Swell Interval: |
| Humidity: 100% | Current Speed: |
| Visibility: 5 miles | Current Direction Toward: |
| Ceiling: | Water Temperature: |
| Next High Tide (Time): | Next Low Tide (Time): |
| Next High Tide (Height): | Next Low Tide (Height): |
| Sunrise: 06:00 | Sunset: 19:00 |

Notes: Rain/mist.

24 Hour Forecast

| | |
|----------------------------|----------------------------|
| Sunrise: 06:00 | Sunset: 19:00 |
| High Tide (Time): | High Tide (Time): |
| High Tide (Height): | High Tide (Height): |
| Low Tide (Time): | Low Tide (Time): |
| Low Tide (Height): | Low Tide (Height): |

Forecast: Mostly cloudy with areas of fog in the morning Highs 45-55. East winds 10-15 mph.

48 Hour Forecast

| | |
|----------------------------|----------------------------|
| Sunrise: 06:00 | Sunset: 19:00 |
| High Tide (Time): | High Tide (Time): |
| High Tide (Height): | High Tide (Height): |
| Low Tide (Time): | Low Tide (Time): |
| Low Tide (Height): | Low Tide (Height): |

Forecast: Mostly cloudy. Highs 45-55. East winds to 10 mph.

Resources Summary

| Incident: FS2 Transit Oil Line Leak | | | | | Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | | | |
|-------------------------------------|--------------------------|----------------------|-------------------------|----------|--|----------------------------------|-------------|------------------|
| ID | Supplier | Resource Type | Description | Quantity | Size | Area of Operation | Status | Status Date/Time |
| 3492 | 8/8 | Manpower: Responde | Manpower days | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/07/2006 09:17 |
| 3525 | Airport Rentals | Vehicle | Pickup Trucks | 10 | | Staging - Airport Rentals | At Staging | 08/07/2006 17:40 |
| 3458 | Alaska Clean Seas | Boom | Boom | 550 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 07:30 |
| 3446 | Alaska Clean Seas | Boom | Boom | 350 | | Monitoring TF-1 Site #1 (FS1 Are | Assigned | 08/06/2006 07:30 |
| 3526 | Alaska Clean Seas | Equipment: Heavy | Kubota | 1 | | Staging - Flow Station 2 | Assigned | 08/07/2006 12:00 |
| 3463 | Alaska Clean Seas | Manpower: Operator | Pipeline Watch | 2 | | Staging - C&R TF-1 (Site #3) | Assigned | 08/06/2006 18:00 |
| 3456 | Alaska Clean Seas | Manpower: Responde | BOAT OPERATOR | 1 | | Monitoring TF-1 Site #1 (FS1 Are | Demobilized | 08/06/2006 07:30 |
| 3518 | Alaska Clean Seas | Manpower: Responde | Manpower days | 11 | | Monitoring TF-2 Site #2 (FS2 Are | Demobilized | 08/07/2006 15:00 |
| 3517 | Alaska Clean Seas | Manpower: Responde | Manpower nights | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/07/2006 09:17 |
| 3493 | Alaska Clean Seas | Manpower: Responde | Manpower nights | 7 | | Monitoring TF-2 Site #2 (FS2 Are | Demobilized | 08/07/2006 15:00 |
| 3455 | Alaska Clean Seas | Manpower: Responde | Monitoring Personnel | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/06/2006 14:00 |
| 3459 | Alaska Clean Seas | Storage: Liquid | Containment | 2 | 1500 gallon(s) | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 16:00 |
| 3527 | Alaska Clean Seas | Storage: Liquid | Fast Tank | 2 | | Staging - Flow Station 2 | Assigned | 08/07/2006 18:00 |
| 3454 | Alaska Clean Seas | Storage: Liquid | Fast Tank | 1 | 1500 gallon(s) | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/06/2006 07:30 |
| 3524 | Alaska Clean Seas | Storage: Liquid | Fast Tanks | 12 | | Staging - Flow Station 2 | Assigned | 08/07/2006 21:00 |
| 3443 | Alaska Clean Seas | Trailer | Comm. Trailer | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/06/2006 18:00 |
| 3523 | Alaska Clean Seas | Trailer | Staging Trailer | 1 | | Staging - Flow Station 2 | Assigned | 08/07/2006 15:00 |
| 3500 | Alaska Clean Seas | Vehicle | 4-Wheelers | 3 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/07/2006 13:41 |
| 3449 | Alaska Clean Seas | Vessel | Small John Boat | 1 | | Monitoring TF-1 Site #1 (FS1 Are | Demobilized | 08/06/2006 07:30 |
| 3488 | ASCI | Manpower: Operator | Expeditor | 1 | | Staging - C&R TF-1 (Site #3) | Assigned | 08/07/2006 10:00 |
| 3486 | Bell | Manpower: Operator | Surveyors | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/07/2006 10:00 |
| 3438 | BP Alaska | Manpower: Responde | Documentation Day | 1 | | PBOC EOC | Assigned | 08/06/2006 18:00 |
| 3439 | BP Alaska | Manpower: Responde | Documentation Night | 1 | | PBOC EOC | Assigned | 08/06/2006 18:00 |
| 3515 | CCI, Inc. | Manpower: Operator | Manpower: Operator-HAZ | 2 | | SC TF-3 Site #3 (Leak Site) | Assigned | 08/07/2006 18:00 |
| 3464 | CIC | Manpower: Responde | Manpower | 2 | | SC TF-1 Site #1 (FS1 Area) | Assigned | 08/06/2006 11:00 |
| 3429 | EQUIPMENT HEAVY | Equipment: Heavy | SPICE TANK | 1 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/06/2006 18:00 |
| 3499 | EQUIPMENT HEAVY | Portable Toilets | Porta Potties | 2 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/07/2006 14:30 |
| 3437 | ERA | Aircraft: Helo | HELICOPTER | 1 | | Staging - Airport Rentals | At Staging | 08/07/2006 07:00 |
| 3453 | IMT LOGISTICS | Manpower: Responde | Monitoring Personnel | 2 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 18:00 |
| 3445 | NANA Management Service | Manpower: Superviso | Expeditor - Summer Hire | 1 | | PBOC EOC | Demobilized | 08/06/2006 18:00 |
| 3440 | Shared Services Aviation | Aircraft: Fixed Wing | OTTER W/ INFRARED S` | 1 | each | Staging - Airport Rentals | Released | 08/06/2006 18:00 |
| 3471 | Spill Response, Inc. | Manpower: Responde | Decon Team | 4 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 23:35 |
| 3472 | Spill Response, Inc. | Manpower: Responde | Task Force Ldr | 1 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 23:30 |
| 3469 | Spill Response, Inc. | Manpower: Responde | Team Alpha | 5 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 23:30 |

Resources Summary

Incident: FS2 Transit Oil Line Leak

Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00)

| ID | Supplier | Resource Type | Description | Quantity | Size | Area of Operation | Status | Status Date/Time |
|------|----------------------|---------------------|-----------------------------|----------|-----------|----------------------------------|-------------|------------------|
| 3470 | Spill Response, Inc. | Manpower: Responde | Team Bravo | 5 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 23:30 |
| 3473 | Spill Response, Inc. | Trailer | Dry Decon | 1 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 23:36 |
| 3511 | VECO Alaska, Inc. | Crane | Crane | 1 | 60 ton(s) | SC TF-1 Site #1 (FS1 Area) | Assigned | 08/07/2006 18:00 |
| 3475 | VECO Alaska, Inc. | Facilities | Scaffolding & Scaffolding C | 30 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/07/2006 01:30 |
| 3476 | VECO Alaska, Inc. | Facilities | Scaffolding | 2 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/07/2006 02:46 |
| 3460 | VECO Alaska, Inc. | Lighting | Light Plant | 2 | | Monitoring TF-2 Site #2 (FS2 Are | At Staging | 08/06/2006 18:00 |
| 3474 | VECO Alaska, Inc. | Lighting | Light plants | 2 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/07/2006 05:00 |
| 3510 | VECO Alaska, Inc. | Manpower: Operator | Manpower: Operator - So | 5 | | SC TF-1 Site #1 (FS1 Area) | Assigned | 08/07/2006 18:00 |
| 3444 | VECO Alaska, Inc. | Manpower: Responde | Manpower | 1 | 1 each | Monitoring TF-1 Site #1 (FS1 Are | At Staging | 08/06/2006 18:00 |
| 3516 | VECO Alaska, Inc. | Manpower: Responde | Manpower: Responder | 1 | | Monitoring TF-1 Site #1 (FS1 Are | Assigned | 08/07/2006 05:00 |
| 3480 | VECO Alaska, Inc. | Manpower: Responde | Manpower: Responder | 1 | | Monitoring TF-1 Site #1 (FS1 Are | Demobilized | 08/07/2006 15:00 |
| 3514 | VECO Alaska, Inc. | Manpower: Superviso | Manpower: Supervisor-H/ | 1 | | SC TF-3 Site #3 (Leak Site) | Assigned | 08/07/2006 18:00 |
| 3468 | VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 2 | | Contain & Recover TF-1 (Site #3 | Released | 08/07/2006 00:00 |
| 3479 | VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 1 | | Contain & Recover TF-1 (Site #3 | Demobilized | 01/01/2000 00:00 |
| 3457 | VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 2 | 300 bbl | Contain & Recover TF-1 (Site #3 | Assigned | 08/06/2006 15:00 |
| 3441 | VECO Alaska, Inc. | Vacuum Truck | Vac Truck for Monitoring | 1 | 300 bbl | Monitoring TF-1 Site #1 (FS1 Are | Assigned | 08/06/2006 15:00 |
| 3452 | VECO Alaska, Inc. | Vacuum Truck | Vac Trucks | 3 | 300 bbl | Staging - Flow Station 2 | Assigned | 08/06/2006 15:00 |
| 3442 | VECO Alaska, Inc. | Vacuum Truck | Vac Trucks | 5 | | Monitoring TF-2 Site #2 (FS2 Are | Assigned | 08/06/2006 15:00 |
| 3504 | VECO Alaska, Inc. | Vehicle | fueler | 1 | | Staging - Flow Station 2 | Assigned | 08/07/2006 18:00 |
| 3481 | VECO Alaska, Inc. | Vehicle | Pick up Truck | 1 | | Monitoring TF-1 Site #1 (FS1 Are | Assigned | 08/07/2006 05:00 |
| 3502 | Warehouse | Sorbent | Sorbent Rolls | 4 | | Staging - C&R TF-1 (Site #3) | At Staging | 08/07/2006 15:00 |
| 3467 | WHSE | Facilities | 3/4" Plywood | 62 | | Contain & Recover TF-1 (Site #3 | Assigned | 08/07/2006 02:30 |

ICS 202 - General Response Objectives

Incident: FS2 Transit Oil Line Leak **Prepared By:** Section, Planning **at** 8/7/2006 19:13
Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) **Version Name:** 08/07/06 1900

Overall and Tactical Objectives

| | Assigned To | Status |
|---|--------------------|-------------------|
| Safety of People | | |
| Source Control/Containment | | |
| • Depressure line (FS2 ->FS1) | Operations Section | Complete |
| • Clamps | Operations Section | In progress |
| FS2 Transit Line De-inventory | | |
| • Plan | Operations Section | In progress |
| Complete Smart Pig Anomalies Inspections (FS2->FS1) | | |
| • CIC Team | CIC | In progress |
| FS1-Skid 50 Plan (WOA?) | | |
| • Field-wide Systematic Shutdown Plan | Operations Section | Under development |
| • Inspection Plan | CIC | Under development |
| • Containment Contingency | Operations Section | |
| Recover Oil on Tundra at Site #3 | | |
| Identify leak location and establish source control | | |
| Freeze protect wells and pipes | | |

Approved By

: _____

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Contain & Recover TF-1 (Site #3) |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Operations Personnel

| Title | Person | Radio | Phone | Pager |
|------------------------|------------|-------|-------|-------|
| Spill Tech - Monitor | Monitor | | | |
| Spill Tech - Monitor | Monitor | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Alpha | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Responder | Team Bravo | | | |
| Spill Tech - Decon | Decon Team | | | |
| Spill Tech - Decon | Decon Team | | | |
| Spill Tech - Decon | Decon Team | | | |
| Spill Tech - Decon | Decon Team | | | |

Incident Resources - Equipment

| Supplier | Resource Type | Description | Quantity | Size | Status |
|--|------------------|------------------------|----------|-------------|-------------|
| <i>Contain & Recover TF-1 (Site #3)</i> | | | | | |
| Alaska Clean Seas | Boom | Boom | 550 feet | | Assigned |
| WHSE | Facilities | 3/4" Plywood | 62 each | | Assigned |
| VECO Alaska, Inc. | Facilities | Scaffolding & Scaffold | 30 feet | | Assigned |
| VECO Alaska, Inc. | Facilities | Scaffolding | 2 each | | Assigned |
| VECO Alaska, Inc. | Lighting | Light plants | 2 each | | Assigned |
| EQUIPMENT HEAVY | Portable Toilets | Porta Potties | 2 each | | Assigned |
| Alaska Clean Seas | Storage: Liquid | Containment | 2 each | 1500 gallon | Assigned |
| Spill Response, Inc. | Trailer | Dry Decon | 1 each | | Assigned |
| VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 1 each | | Demobilized |
| VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 2 each | 300 bbl | Assigned |
| VECO Alaska, Inc. | Vacuum Truck | Vac Truck | 2 each | | Released |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|--|---------------------|---------------------|----------|------|----------|
| <i>Contain & Recover TF-1 (Site #3)</i> | | | | | |
| Spill Response, Inc. | Manpower: Responder | Decon Team | 4 each | | Assigned |
| IMT LOGISTICS | Manpower: Responder | Monitoring Personne | 2 each | | Assigned |
| Spill Response, Inc. | Manpower: Responder | Task Force Ldr | 1 each | | Assigned |
| Spill Response, Inc. | Manpower: Responder | Team Alpha | 5 each | | Assigned |

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Contain & Recover TF-1 (Site #3) |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|---|---------------------|-------------|----------|------|----------|
| Contain & Recover TF-1 (Site #3) | | | | | |
| Spill Response, Inc. | Manpower: Responder | Team Bravo | 5 each | | Assigned |

Assignments

Site Monitoring
Clean Up & Recovery

Special Instructions for Division / Group

Workers set plywood walkways along the perimeter of the oiled tundra for foot traffic to limit the impact to the tundra. All oil that is recovered from the oil tundra location will be stored separately from the oil that is captured leaking from the pipeline into the Fast Tanks.

Tactical Objective

Monitor pipeline, shore seal boom, fast tanks, and wildlife. Vacuum truck operator to continue recovering product from fast tanks.
Team Alpha - Install plywood walkways and continue to recover the oil from the Fast Tanks with the Vac Truck.
Team Bravo - Flood water from the pond into the boomed area with oiled tundra. Recover the product with Rope Mops and Vac Truck.

Description of Work

Monitor pipeline, shore seal boom, fast tanks, and wildlife. Vacuum truck operator to continue recovering product from fast tanks.
Team Alpha - Install plywood walkways and continue to recover the oil from the Fast Tanks with the Vac Truck.
Team Bravo - Flood water from the pond into the boomed area with oiled tundra. Recover the product with Rope Mops and Vac Truck.

Location of Work

Location: Site #3, Task Force 1.

Special Environmental Considerations

Ensure all product recovered from the oiled tundra is stored separately from the product that is recovered from the leaking pipeline into the fast tanks. Monitor secondary boom to ensure any additional leaks do not impact tundra.

Special Site-Specific Safety Considerations

Continue to monitor the light ends produce from the spilled crude oil. Ensure responders in the Hot Zone are donning the appropriate PPE, to include Full Face respirators as required.

Suspend containment and recovery operations while spill location activities are going on and standby to respond to any increase in the leak rate.

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Source Control |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: SC TF-1 Site #1 (FS1 Area) |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Incident Resources - Equipment

| Supplier | Resource Type | Description | Quantity | Size | Status |
|-----------------------------------|---------------|-------------|----------|-----------|----------|
| <i>SC TF-1 Site #1 (FS1 Area)</i> | | | | | |
| VECO Alaska, Inc. | Crane | Crane | 1 each | 60 ton(s) | Assigned |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|-----------------------------------|---------------------|--------------------|----------|------|----------|
| <i>SC TF-1 Site #1 (FS1 Area)</i> | | | | | |
| VECO Alaska, Inc. | Manpower: Operator | Manpower: Operator | 5 each | | Assigned |
| CIC | Manpower: Responder | Manpower | 2 each | | Assigned |

Tactical Objective

Install clamps at location identified by smart pig.

Description of Work

Install clamps

Location of Work

Site #1

Special Equipment / Supplies Needed for Assignment

Crane for critical lift.

Special Site-Specific Safety Considerations

Develop JSA/THA and Critical Lift Plan.

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Source Control |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: SC TF-2 Site #2 (FS2 Area) |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Tactical Objective

Install clamps at location identified by smart pig.

Description of Work

Install clamps

Location of Work

Site #2

Special Equipment / Supplies Needed for Assignment

Crane for critical lift.

Special Site-Specific Safety Considerations

Develop JSA/THA and Critical Lift Plan.

ICS 204 - Assignment List

| | |
|---|--|
| Incident: FS2 Transit Oil Line Leak | Branch: Source Control |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: SC TF-3 Site #3 (Leak Site) |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|------------------------------------|----------------------|----------------------|----------|------|----------|
| <i>SC TF-3 Site #3 (Leak Site)</i> | | | | | |
| CCI, Inc. | Manpower: Operator | Manpower: Operator | 2 each | | Assigned |
| VECO Alaska, Inc. | Manpower: Supervisor | Manpower: Supervisor | 1 each | | Assigned |

Special Instructions for Division / Group

Develop a plan for safe removal of insulation to find the leak source. Plan needs to be approved before work begins

Tactical Objective

Locate spill source.
Once the spill source is identified, isolate the source.

Description of Work

Once plan is approved, remove insulation to locate the spill source.
Once source is located, develop a plan to install the clamp. Plan needs to be approved before work begins.

Location of Work

Site #3

Special Equipment / Supplies Needed for Assignment

HAZWOPER certifications required; HAZWOPER Supervisor onsite will be required. Additional vac truck located with hose in the containment area standing by. Crane for critical lift.

Special Environmental Considerations

Place saturated insulation in designated containment area. Monitor secondary boom to ensure any additional leaks do not impact tundra.

Special Site-Specific Safety Considerations

JSA/THA to be completed prior to work on the pipeline. Suspend containment and recovery operations while spill location and clamping activities are going on and standby to respond to any increase in the leak rate. Develop critical lift plan for clamps. Ensure proper PPE is worn while working in the Hot Zone.

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Monitoring |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: Monitoring TF-1 Site #1 (FS1 Area) |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Operations Personnel

| Title | Person | Radio | Phone | Pager |
|----------------------------|---------------|-------|-------|-------|
| Spill Tech - Monitor | Monitor | | | |
| Spill Tech - Boat Operator | Monitor (ACS) | | | |
| Spill Tech - Response | Responder | | | |

Incident Resources - Equipment

| Supplier | Resource Type | Description | Quantity | Size | Status |
|---|---------------|----------------------|----------|---------|-------------|
| Monitoring TF-1 Site #1 (FS1 Area) | | | | | |
| Alaska Clean Seas | Boom | Boom | 350 feet | | Assigned |
| VECO Alaska, Inc. | Vacuum Truck | Vac Truck for Monito | 1 each | 300 bbl | Assigned |
| VECO Alaska, Inc. | Vehicle | Pick up Truck | 1 each | | Assigned |
| Alaska Clean Seas | Vessel | Small John Boat | 1 each | | Demobilized |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|---|---------------------|-------------------|----------|--------|-------------|
| Monitoring TF-1 Site #1 (FS1 Area) | | | | | |
| Alaska Clean Seas | Manpower: Responder | BOAT OPERATOR | 1 each | | Demobilized |
| VECO Alaska, Inc. | Manpower: Responder | Manpower | 1 each | 1 each | At Staging |
| VECO Alaska, Inc. | Manpower: Responder | Manpower: Respond | 1 each | | Assigned |
| VECO Alaska, Inc. | Manpower: Responder | Manpower: Respond | 1 each | | Demobilized |

Assignments

Site monitoring

Tactical Objective

Monitor pipeline for leaks and respond with onsite equipment, if necessary.

ICS 204 - Assignment List

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Branch: Monitoring |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Division/Group: Monitoring TF-2 Site #2 (FS2 Area) |
| Prepared By Signature: | Task Force: |
| Approved By Signature: | |

Operations Personnel

| Title | Person | Radio | Phone | Pager |
|----------------------|--------|-------|-------|-------|
| Spill Tech - Monitor | | | | |

Incident Resources - Equipment

| Supplier | Resource Type | Description | Quantity | Size | Status |
|---|------------------|---------------|----------|-------------|------------|
| Monitoring TF-2 Site #2 (FS2 Area) | | | | | |
| EQUIPMENT HEAVY | Equipment: Heavy | SPICE TANK | 1 each | | Assigned |
| VECO Alaska, Inc. | Lighting | Light Plant | 2 each | | At Staging |
| Alaska Clean Seas | Storage: Liquid | Fast Tank | 1 each | 1500 gallon | Assigned |
| Alaska Clean Seas | Trailer | Comm. Trailer | 1 each | | Assigned |
| VECO Alaska, Inc. | Vacuum Truck | Vac Trucks | 5 each | | Assigned |
| Alaska Clean Seas | Vehicle | 4-Wheelers | 3 each | | Assigned |

Incident Resources - Manpower

| Supplier | Resource Type | Description | Quantity | Size | Status |
|---|---------------------|---------------------|----------|------|-------------|
| Monitoring TF-2 Site #2 (FS2 Area) | | | | | |
| Bell | Manpower: Operator | Surveyors | 1 each | | Assigned |
| 8/8 | Manpower: Responder | Manpower days | 1 each | | Assigned |
| Alaska Clean Seas | Manpower: Responder | Manpower days | 11 each | | Demobilized |
| Alaska Clean Seas | Manpower: Responder | Manpower nights | 1 each | | Assigned |
| Alaska Clean Seas | Manpower: Responder | Manpower nights | 7 each | | Demobilized |
| Alaska Clean Seas | Manpower: Responder | Monitoring Personne | 1 each | | Assigned |

Assignments

Site Monitoring

Tactical Objective

Monitor pipeline for leaks and respond with onsite equipment, if necessary.

ICS 206 - Medical Plan

| | |
|---|---|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Data, Base at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: North Slope Responses |

Medical Aid Stations

| Name | Location | Paramedics (On-Site) | Phone | Radio |
|--------------------|-----------------|----------------------|----------------|-------|
| Prudhoe Bay Clinic | Prudhoe Bay, AK | Yes | (907) 659-5239 | |
| Milne Point Clinic | Milne Point, AK | No | | |
| Kuparuk Clinic | Kuparuk, AK | No | | |

Transportation (Ground and/or Ambulances Services)

| Name | Location | Paramedics | Phone | Radio |
|-------------------------------------|---------------|------------|--------------------|-------|
| Aeromed International | Anchorage, AK | | (907) 646-0738 | |
| Air Force Rescue Coordination Cente | Elmendorf AFB | | (907) 552-5375 | |
| Air Logistics - Anchorage | Anchorage, AK | | (907) 248-3335/452 | |
| Alaska Regional Life Flight | Anchorage, AK | Yes | (800) 478-9111 | Y |
| Anchorage Fire Department | Anchorage, AK | | (907) 267-5060 | |
| ERA Aviation - Anchorage | Anchorage, AK | | (907) 248-4422 | |
| ERA Helicopters | Anchorage, AK | | (907) 776-8215/875 | |
| LifeFlight Air Ambulance | Anchorage, AK | | (800) 478-9111 | |
| Providence Lifeguard Air Ambulance | Anchorage, AK | | (907) 261-3608 | |
| Providence Lifeguard Air Ambulance | Anchorage, AK | | (800) 478-5433 | |
| Security Aviation | Anchorage, AK | No | (907) 248-2677 | N |
| Shared Services Medi-Evac Line | Anchorage, AK | | (907) 263-3562 | |
| Transcare Medical Services Inc | Anchorage, AK | | (907) 562-3534 | |

Hospitals

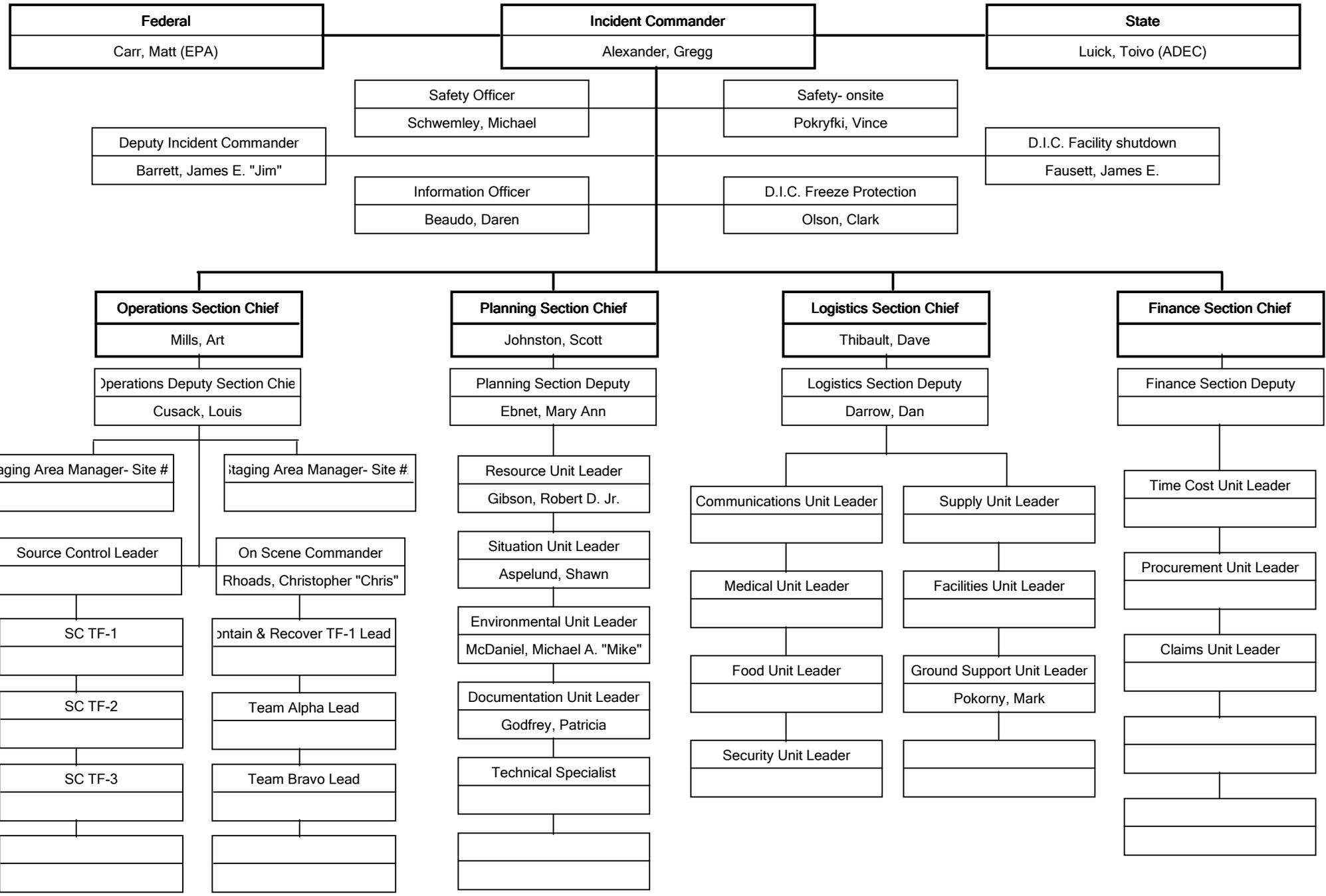
| Name | Location | Helipad | Burn Center | Phone | Radio |
|----------------------------------|---------------|---------|-------------|--------------------|-------|
| Alaska Regional Hospital | Anchorage, AK | Yes | No | (907) 276-1130/175 | |
| Alaska Native Hospital | Anchorage, AK | Yes | No | (907) 563-2662 | |
| Providence Alaska Medical Center | Anchorage, AK | Yes | Yes | (907) 562-2211 | |

Special Medical Emergency Procedures

Shared Services MediVac is available if required. Alaska Airlines MediVac is available if required.

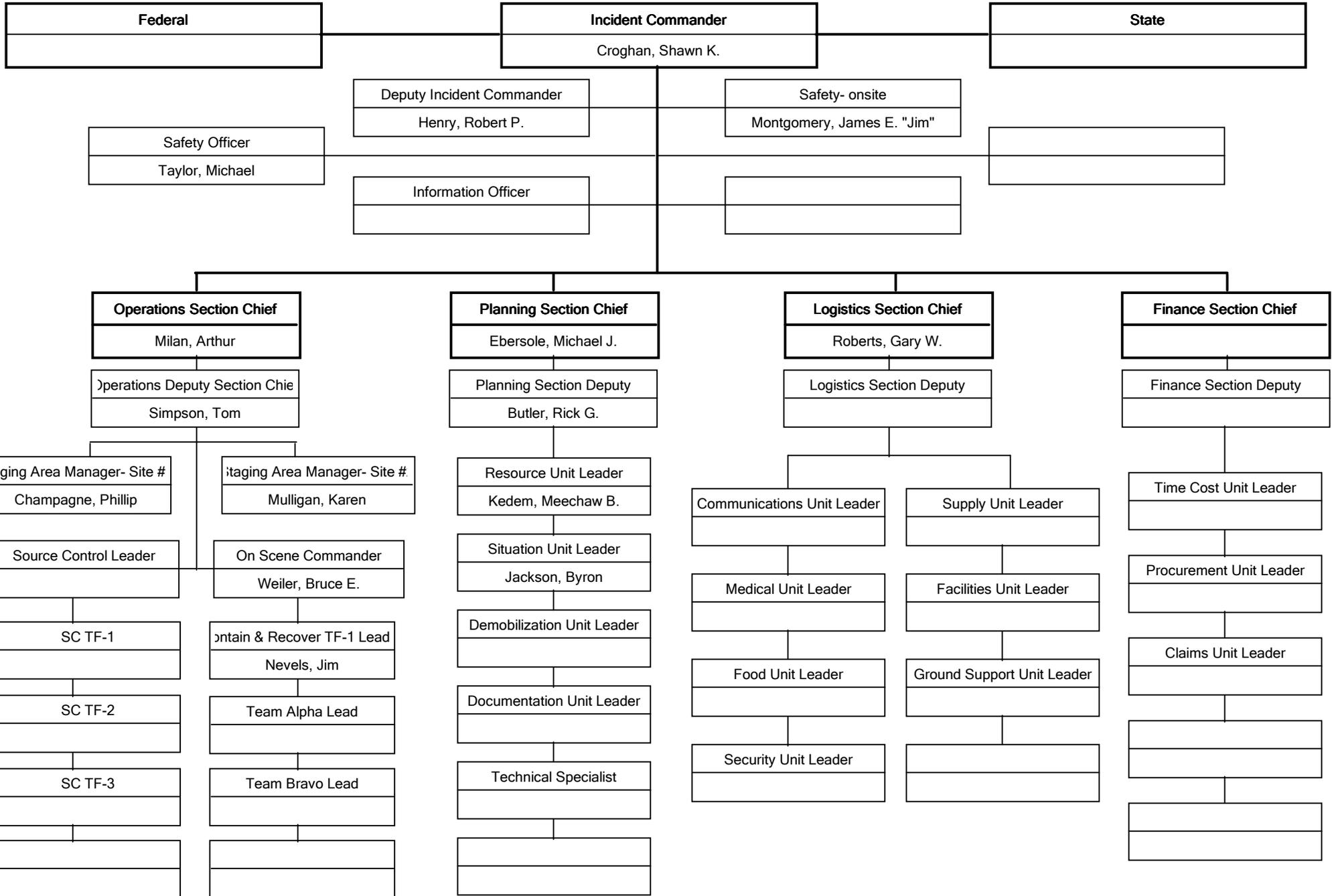
ICS 207 - Organization Chart

| | | |
|---|---|--------------------------|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Planning | at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: Period 4 Day Shift | |



ICS 207 - Organization Chart

| | | |
|---|---|--------------------------|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Planning | at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: Period 4 Night Shift | |



ICS 208 - Site Safety Plan

| | |
|---|--|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Safety at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: 16:12 Update |

Applies To Site: Site 3

Products: Crude Oil (Attach MSDS)

SITE CHARACTERIZATION

Water:

Wave Height:

Current Speed:

Land: Tundra

Weather: Cloudy

Wind Speed: 10 mph

Wave Direction:

Current Direction:

Use: Industrial

Temp: 46 Fahrenheit

Wind Direction: Southwest

Pathways for Dispersion:

Site Hazards

- | | | |
|--|--|---|
| <input type="checkbox"/> Boat safety | <input checked="" type="checkbox"/> Fire, explosion, in-situ burning | <input checked="" type="checkbox"/> Pump hose |
| <input checked="" type="checkbox"/> Chemical hazards | <input type="checkbox"/> Heat stress | <input checked="" type="checkbox"/> Slips, trips, and falls |
| <input type="checkbox"/> Cold Stress | <input type="checkbox"/> Helicopter operations | <input type="checkbox"/> Steam and hot water |
| <input type="checkbox"/> Confined Spaces | <input checked="" type="checkbox"/> Lifting | <input type="checkbox"/> Trenching/Excavation |
| <input type="checkbox"/> Drum handling | <input checked="" type="checkbox"/> Motor vehicles | <input type="checkbox"/> UV Radiation |
| <input checked="" type="checkbox"/> Equipment operations | <input checked="" type="checkbox"/> Noise | <input type="checkbox"/> Visibility |
| <input type="checkbox"/> Electrical operations | <input type="checkbox"/> Overhead/buried utilities | <input checked="" type="checkbox"/> Weather |
| <input checked="" type="checkbox"/> Fatigue | <input checked="" type="checkbox"/> Plants/wildlife | <input checked="" type="checkbox"/> Work near water |
| <input checked="" type="checkbox"/> Other | <input type="checkbox"/> Other | <input type="checkbox"/> Other |

Atmospheric Hazards:
Benzene

Air Monitoring

%O2: 20.5%

%LEL: 0%

ppm Benzene: 1.5ppm

ppm H2S: 0ppm

Other (Specify): Benzene likely >2ppm

CONTROL MEASURES

Engineering Controls

- | | | |
|--|--|--|
| <input type="checkbox"/> Source of release secured | <input checked="" type="checkbox"/> Valve(s) closed | <input checked="" type="checkbox"/> Energy sources locked/tagged out |
| <input checked="" type="checkbox"/> Site secured | <input checked="" type="checkbox"/> Facility shut down | <input type="checkbox"/> Other |

Personal Protective Equipment

- | | | | |
|---|--------------------------------|--|---|
| <input checked="" type="checkbox"/> Impervious suit | Tyvek FRC chemical suit | <input checked="" type="checkbox"/> Respirators | Full Face with OV cartridges |
| <input checked="" type="checkbox"/> Inner gloves | Nitrile | <input checked="" type="checkbox"/> Eye protection | full face respirator provides |
| <input checked="" type="checkbox"/> Outer gloves | Nitrile or work gloves as reqd | <input type="checkbox"/> Personal floatation | |
| <input checked="" type="checkbox"/> Flame resistance clothing | Tyvek | <input checked="" type="checkbox"/> Boots | XtraTuff |
| <input checked="" type="checkbox"/> Hard hats | | <input checked="" type="checkbox"/> Other | Safety Glasses where respirator is not used |

Additional Control Measures

- | | |
|--|--|
| <input checked="" type="checkbox"/> Decontamination | <input checked="" type="checkbox"/> Stations established |
| <input checked="" type="checkbox"/> Sanitation | <input type="checkbox"/> Facilities provided - OSHA 29 CFR 1910.120n |
| <input checked="" type="checkbox"/> Illumination | <input type="checkbox"/> Facilities provided - OSHA 29 CFR 1910.120m |
| <input checked="" type="checkbox"/> Medical Surveillance | <input checked="" type="checkbox"/> Provided - OSHA 29 CFR 1910.120f |

ICS 208 - Site Safety Plan

| | |
|---|--|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Safety at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: 16:12 Update |

WORK PLAN

- | | | | | |
|---|--|--|---|--|
| <input checked="" type="checkbox"/> Booming | <input checked="" type="checkbox"/> Skimming | <input checked="" type="checkbox"/> Vac trucks | <input checked="" type="checkbox"/> Pumping | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Heavy equipment | <input type="checkbox"/> Sorbent pads | <input type="checkbox"/> Patching | <input type="checkbox"/> Hot work | <input checked="" type="checkbox"/> Appropriate permits used |
| <input type="checkbox"/> Other | | | | |

TRAINING

- Verified site workers trained per OSHA 29 CFR 1920.120

ORGANIZATION

| <u>Title</u> | <u>Name</u> | <u>Telephone/Radio</u> |
|----------------------------|---|------------------------|
| Incident Commander: | Greg Alexander/Shawn Crogan | 659-5145 |
| Deputy Incident Commander: | Jim Barrett/Rob Henery | 659-5145 |
| Safety Officer: | Mike Schwemley/Mike Taylor | 659-8238 |
| Public Affairs Officer: | | |
| Other: | Site Safety - Jay Rhymes/Jim (Monty) Montgomery | |

EMERGENCY PLAN

- | | |
|--|--|
| <input type="checkbox"/> Alarm system | |
| <input checked="" type="checkbox"/> Evacuation plan | Primary is ACS bldg; secondary FS2 staging |
| <input checked="" type="checkbox"/> First aid location | MCC Medical |

Notified

- | | |
|--|--------|
| <input type="checkbox"/> Hospital | Phone: |
| <input type="checkbox"/> Ambulance | Phone: |
| <input type="checkbox"/> Air ambulance | Phone: |
| <input type="checkbox"/> Fire | Phone: |
| <input type="checkbox"/> Law enforcement | Phone: |
| <input type="checkbox"/> Emergency response/rescue | Phone: |

PRE-ENTRY BRIEFING

- Initial briefing prepared for each site

Attachments / Appendices

| |
|--|
| Exposure Monitoring Data 8/6/06 0900 |
| Exposure Monitoring Data 8/8/06 1545 |
| Exposure Monitoring Data 8/7/06 1357 |
| Exposure Monitoring Data 8/7/06 1545 |
| Exposure Monitoring Data 8/7/06 1745 |
| Portable Structure Siting Plan 8/7/2006 1100 |
| Exposure Monitoring Data 8/6/06 1800 |
| Exposure Monitoring Data 8/6/06 22:00 hrs |
| Exposure Monitoring Data 8/7/06 03:00 hrs |
| PPE Description |
| Spill Site Pre-Entry Briefing |
| FS2 to FS1 OT Aerial Photo 8/7/06 1100 |

ICS 208 - Site Safety Plan

| | | |
|---|-------------------------------------|--------------------------|
| Incident: FS2 Transit Oil Line Leak | Prepared By: Section, Safety | at 8/7/2006 19:13 |
| Period: Period 4 IAP (8/7/2006 18:00 - 8/8/2006 18:00) | Version Name: 16:12 Update | |

Attachments / Appendices

PPE Description

Site Hazards

Personal Protective Equipment Selection Sheet

Decon will be established when cleanup operations begin

Site Control

SITUATION STATUS SUMMARY (IAP) – ICS 209

Incident Name: Flow Station 2 Oil Transit Line Date Prepared: 08/07/2006 18:00

Incident Location: Site 3 Operational Period:

(1) STATUS OF SOURCE CONTROL OPERATIONS:

- Line depressured
- LO/TO verification completed
- Oil leaking into portable containment
- Vacuum gauges installed on TL at FS1 and FS2: 16.2" of Hg and 0 Hg respectively
- Leak rate holding steady @ < 2 gpm.
- New leak developed @ loc 113+14 while prepping for insp. ~2 drops/min. This site designated as site #4.

(2) STATUS OF RESPONSE OPERATIONS:

- Two portable containment tanks catching oil as it drains, vac truck picking up oil from tanks.
- ESTIMATED 188 bbls recovered from containment, 64 bbls of crude/water mixture removed from tundra using rope mop (in vac trucks)
- Permit protocol:
 - East of spill site permitted by FS2
 - West of spill site permitted by FS1
- All inspection activities shutdown.
- Erection of scaffolding walkway access over pipe-rack nearly complete
- Tactic being developed to begin process of identifying leak location.
- Temporary containment (2 fast tanks) installed immediately east of leak in preparation for stripping to determine leak location.
- Vac truck on location @ site #4. Booming in progress @ site #4 should complete by 1800.
- Preparation underway to install stainless banding clamps at sites 2 & 4.

(3) MAJOR SAFETY CONSIDERATIONS:

- BP/ACS safety onsite.
- Benzene readings currently at 0ppm at entrance to the hot zone and roadway. Total VOC's in hot zone and adjacent areas 0 ppm.
- Slips, trips and falls.
- Changing wind conditions. Winds out of the North will carry vapors towards the recovery and cleanup worker. Onsite safety officers are continually monitoring wind and weather conditions.
- Decon established.
- Established a central check in-check out for the spill site, which is located at COTU pipeline road. All personal going into or leaving spill site will go through this post to keep track of head count.
- Ensure only essential personnel are in Hot Zone area - no sightseers.

(4) MAJOR ENVIRONMENTAL CONSIDERATIONS:

- Oil impacting tundra. Minimal damage. Area seal boomed
 - Potential wildlife contamination. Passive hazing will be utilized. Wildlife fence installed.
 - Amendment 1 of cleanup plan verbally approved by ADEC Amanda Stark 2130hrs on 08/06/06
 - Amendment 2 of cleanup plan signed as of 0800hrs on 08/07/06
 - Agency Notifications completed.
- Agency personnel from ADEC and EPA (representative) have visited site.

(5) MAJOR PUBLIC INFORMATION/COMMUNITY CONSIDERATIONS:

- Public opinion

Prepared By: Chris Rhoads

ICS Position: OSC

Phone: 4878

FS 2 Transit Oil Line Leak August 6, 2006
Clean-Up and Disposal/Recycle Plan
Version 3 Updated 8/7/06

On August 6, 2006 a leak developed on an Oil Transit line carrying crude oil from FS2 to FS1. Prior to establishing secondary containment, an approximate 4-5 barrels of crude oil released to tundra. Per survey, the area of impact is approximately 6,149 square feet of tundra grass with standing water adjacent to the FS2-FS1 pipeline access road.

Initial response operations included placing shore seal boom around the spill site to contain the oil to the immediate area and prevent movement to the adjacent water body.

Additionally, BPX spill response personnel placed portable "Fold-A-Tanks" to contain crude oil leaking from the line.

BPXA has established current tank levels in the Flow Station 2 slop oil tanks, one of which was used as storage during the GC2 OTL release. It is BPXA's intention to utilize this tank (or tanks) in a similar fashion during the current FS2 OTL event. BPXA will capture fluids/oil in the portable containment and transfer these fluids directly to FS2 for storage. No fluids/oil will be removed from the FS2 slop tank(s) until coordination and approval from ADEC.

The tundra area impacted consists of a grassy/tundra area inundated with standing fresh water. At this point, there appears to be very little impact to the tundra vegetative mat. BPXA plans to remove standing crude oil/water from the area using vacuum trucks, while adding additional fresh water to prevent oil from contaminating additional vegetation. This operation will not be a "flushing" operation; rather it is simply adding water in an attempt to keep the water level to a point that previously unaffected tundra does not become contaminated. In conjunction with the vacuum trucks, ACS will utilize electric drum mounted "Rope Mops" to remove standing crude oil off of the water surface. ACS and SRT spill responders will place a plywood walk way in areas they will be operating to prevent any damage to tundra from continuous foot traffic. Water will be taken from previously permitted water sources, or by a source approved by ADEC.

Any fluids removed from the tundra area will be stored and kept separate from crude oil removed directly from the line. BPXA will store this material separately until coordination and approval from ADEC of the ultimate disposal or recycle method.

Once the standing crude oil/water has been removed, BPXA will coordinate additional tundra clean up as necessary with ADEC.

Incident Command _____

ADEC Representative _____

BPXA Environmental _____