

Approved By

Federal OSC:

State OSC:

Incident Commander:

Incident Action Plan

20170316 1400 Sit Stat Map

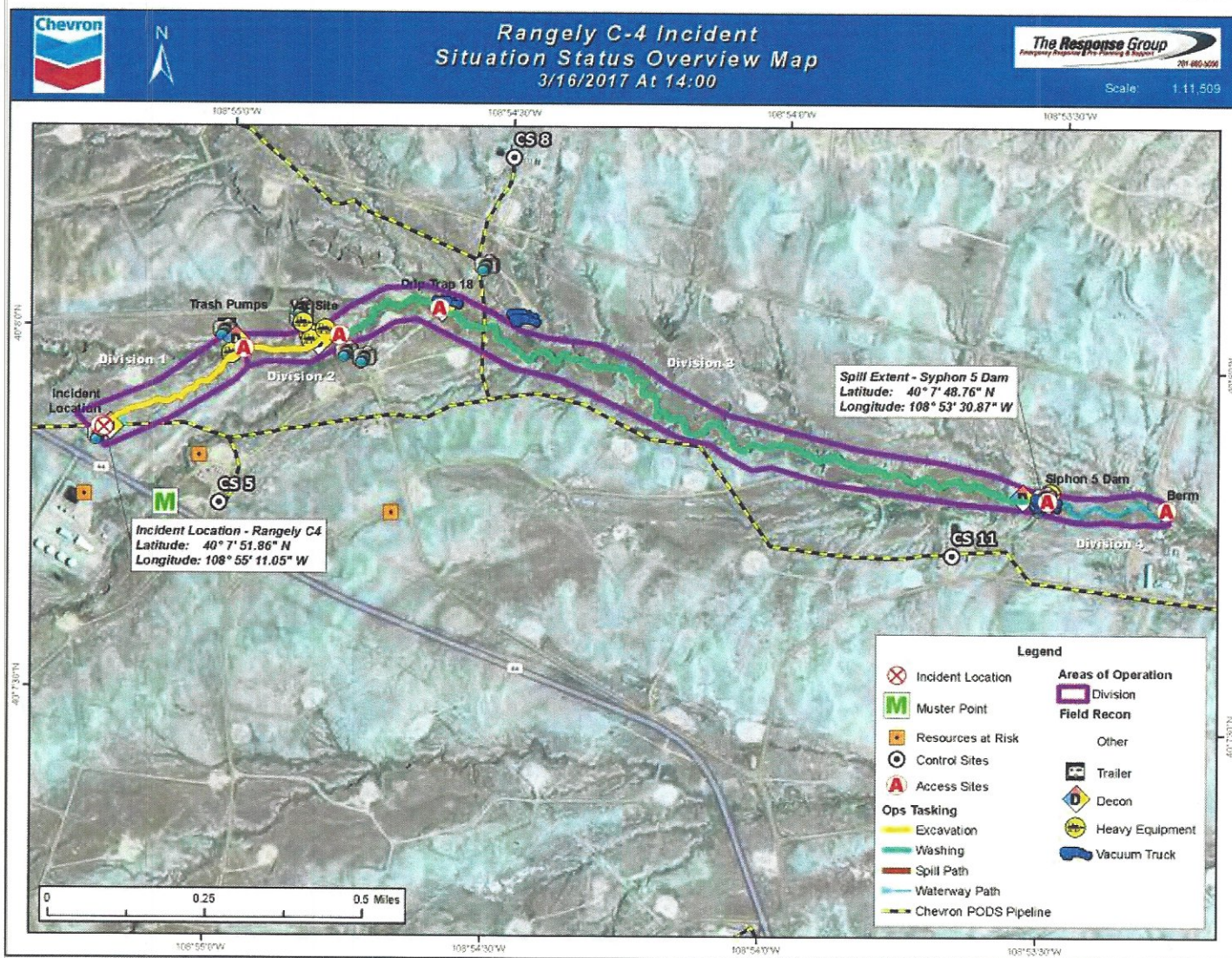


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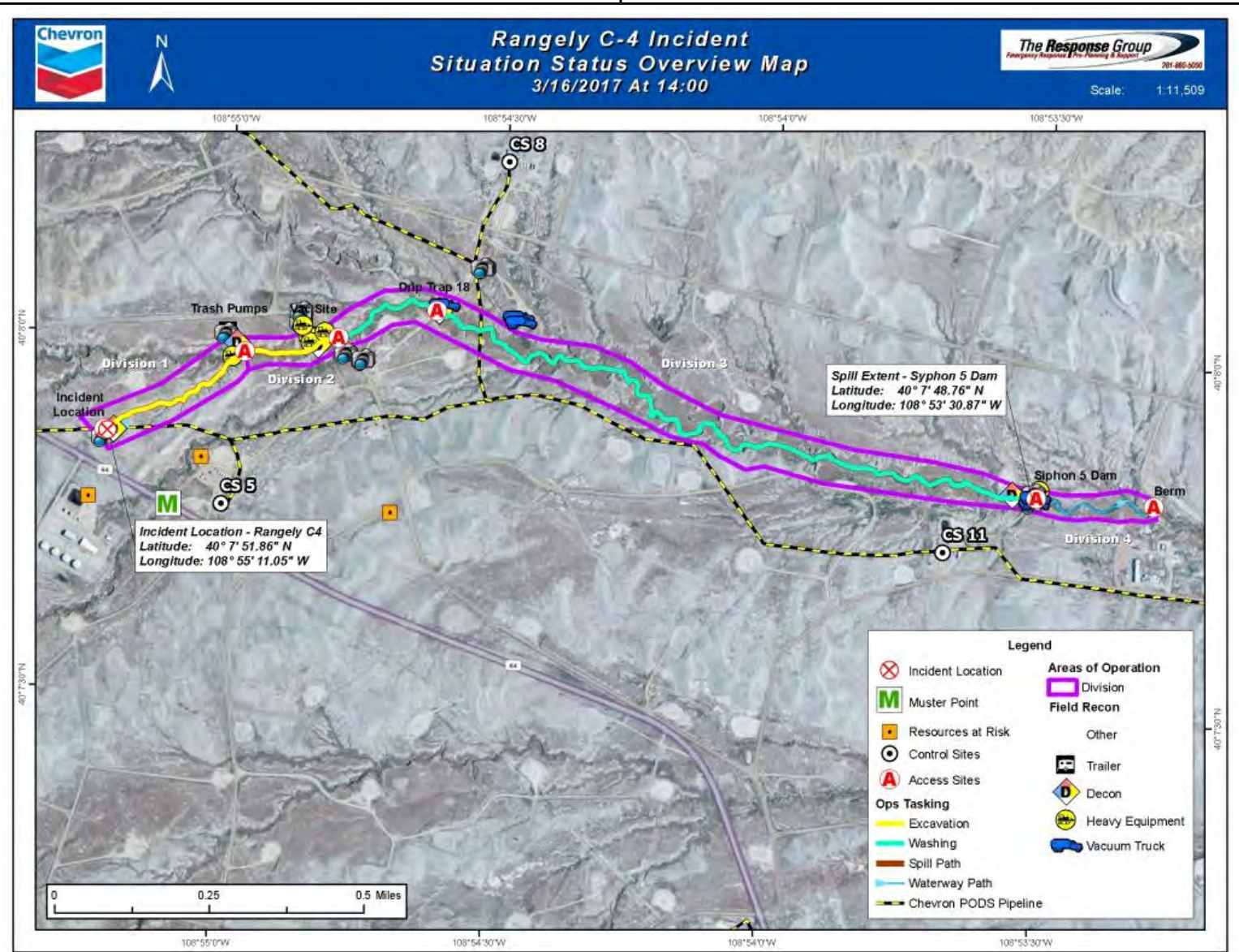
Incident Name: Rangely C-4

Period: Period 11 [03/17/17 07:00 - 03/18/17 07:00]

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Weather Report				Version Name: 03/16/2017 14:00	
Incident Name: Rangely C-4				Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Present Conditions					
Weather Conditions as of 03/16/2017 13:51					
Humidity (%): 24 Wind Speed: 13.00 MPH Wind Direction (from): SW Temperature: 65.00 F Visibility: 10.00 MI			Pressure: 30.03 IN Dew Point: 27.00 Feels Like: 65.00 UV Index:		
Sunny					
Forecast Date	Wind	Temp Hi/Lo	% Precip	Sunrise/Sunset	Notes
Thu 03/16/2017	9.00 MPH SSW	66.00 F/ F	0.00		Mostly Sunny
	5.00 MPH WNW	F/39.00 F	0.00		Partly Cloudy
Fri 03/17/2017	5.00 MPH ENE	70.00 F/ F	0.00		Partly Cloudy
	3.00 MPH NW	F/39.00 F	1.00		Mostly Clear
Sat 03/18/2017	7.00 MPH ESE	73.00 F/ F	1.00		Mostly Sunny
	7.00 MPH SSW	F/43.00 F	1.00		Mostly Clear
Sun 03/19/2017	10.00 MPH WSW	72.00 F/ F	2.00		Partly Cloudy
	6.00 MPH SSW	F/43.00 F	4.00		Partly Cloudy
Mon 03/20/2017	8.00 MPH SW	66.00 F/ F	10.00		Mostly Cloudy with Isolated Showers
	7.00 MPH SSW	F/41.00 F	16.00		Partly Cloudy with Isolated Showers
Tue 03/21/2017	10.00 MPH SSW	66.00 F/ F	3.00		Partly Cloudy
	8.00 MPH SSW	F/39.00 F	13.00		Partly Cloudy with Isolated Showers
Wed 03/22/2017	10.00 MPH SSW	57.00 F/ F	36.00		Mostly Cloudy with Scattered Showers
	5.00 MPH NW	F/41.00 F	38.00		Cloudy with Chance of Light Showers
Tides					
Weather Report				Prepared By Sit Unit, Updated 03/16/2017 13:51 GMT -7:00 PP	
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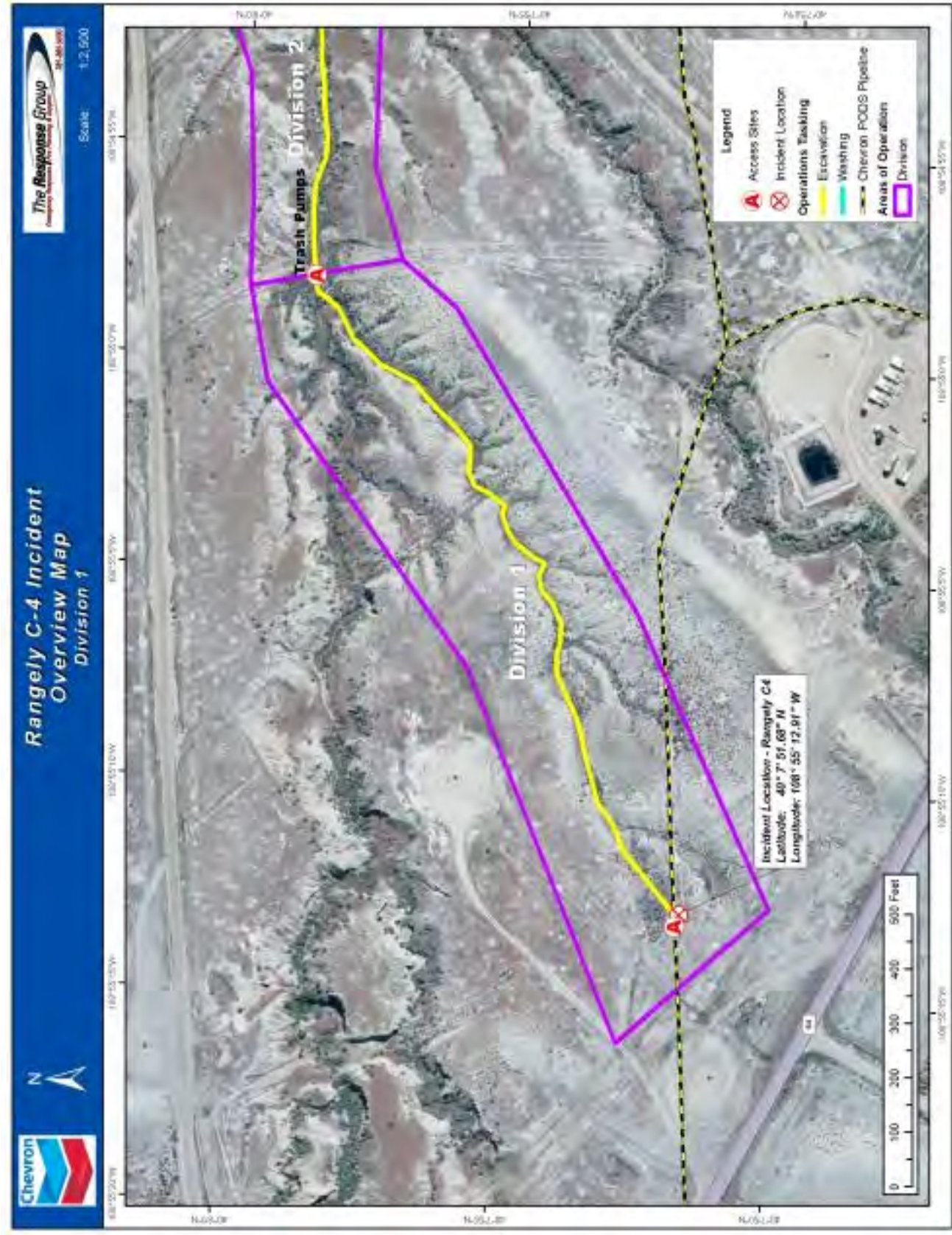
ICS 202 - Incident Objectives		Version Name: Response	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Objective(s)			
Ensure the Safety of Citizens and Response Personnel			
Control the Source of Spill			
Manage Coordinated Response Effort			
Maximize Protection of Environment			
Contain and Recover Spilled Material			
Recover and Rehabilitate Injured Wildlife			
Remove Oil from Impacted Areas			
Minimize Economic Impacts			
Keep Stakeholders and Public Informed of Response Activities			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
<p>All Response Personnel will read and adhere to the guidance set forth in the following:</p> <ul style="list-style-type: none"> • Air Monitoring Plan • JSSP • Crude Oil SDS • Soil Excavation Plan • Waste Management Plan • Wildlife Deterrence Plan • Wildlife Management Plan • Decontamination Plan • Demobilization Plan 			
Incident Action Plan Components			
<input checked="" type="checkbox"/>	ICS 202 - General Response Objectives	<input checked="" type="checkbox"/>	ICS 207 - Organization Chart
<input checked="" type="checkbox"/>	ICS 202A - Command Direction	<input checked="" type="checkbox"/>	ICS 208 - Site Safety Plan
<input type="checkbox"/>	ICS 203 - Organization Assignment List	<input type="checkbox"/>	ICS 220 - Air Operations Summary
<input checked="" type="checkbox"/>	ICS 204 - Assignment List	<input checked="" type="checkbox"/>	Map / Chart
<input type="checkbox"/>	ICS 205 - Communications Plan	<input checked="" type="checkbox"/>	Weather Forecast
<input checked="" type="checkbox"/>	ICS 205a - Communications List	<input checked="" type="checkbox"/>	ICS 202b - Critical Information Requirements
<input checked="" type="checkbox"/>	ICS 206 - Medical Plan	<input checked="" type="checkbox"/>	ICS 223 - Health and Safety Message
<div>ICS 202 - Incident Objectives</div> <div>Prepared By Command, Updated 03/13/2017 13:12 GMT -7:00 PP</div>			
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ICS 202a - Command Direction		Version Name: Response	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Priorities			
People (Life Safety)			
Environment (Protection)			
Assets			
Reputation			
Limitations and Constraints			
<ul style="list-style-type: none"> • Weather Conditions • Night Operations (Limited) • Location of the Incident • Availability/shortfall of Resources • Transportation/Logistics • Support Infrastructure • Permits (Authorization to apply Alternate Response Techniques) • Wildlife activities (mammals, birds, etc.) • Access to Shoreline (Private vs Public Lands) • Spilled Material Characteristics (monitoring/PPE requirements) • Public Health • Community/Media Perception • Evidence Preservation • Delegation of Authority Limitations • Work/rest Rotation Requirements • Disposal of Waste • Jurisdictional Issues 			
Key Decisions and Procedures			
Key Decisions <ul style="list-style-type: none"> • Name of Incident = Rangely C-4 • Command Post – 100 Chevron Road, Rangely, CO • Operational Period & work hours - 24 hour period, 07:00 to 07:00, minimal night operations • All external releases of information should be approved by IC • Any resource request over \$100k should be approved by IC • Any issues around waterway management will be coordinated by EPA • Only pre-authorized individuals with special indicators are allowed to take photos. Absolutely no one else. 			
ICS 202a - Command Direction		Prepared By Green, Patrick, Updated 03/16/2017 08:42 GMT -7:00 PP	
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ICS 202b - Critical Information Requirements		Version Name: Current	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
<div>Unified Command Critical Threshold Reporting Criteria</div> <div>Injury or Death</div> <div>- OSHA/Greater than 1st Aid through Safety Officer</div> <div>Significant change of status of the source</div> <div>Any incidents within the incident</div> <div>Public health impacts</div> <div>Shoreline Oiling/Impact</div> <div>Impacted sensitive areas beyond protection/Any change to trajectories</div> <div>Loss of major tactical resources</div> <div>Unplanned VIP visits en-route/planning/arriving</div> <div>Adverse protest plans or interview requests</div> <div>Adverse political/influence</div> <div>Confirmed wildlife impacts</div> <div>Loss or breach of containment</div> <div>Special requests from agencies</div>			
ICS 202b - Critical Information Requirements		Prepared By Green, Patrick, Updated 03/07/2017 15:31 GMT -7:00 PP	
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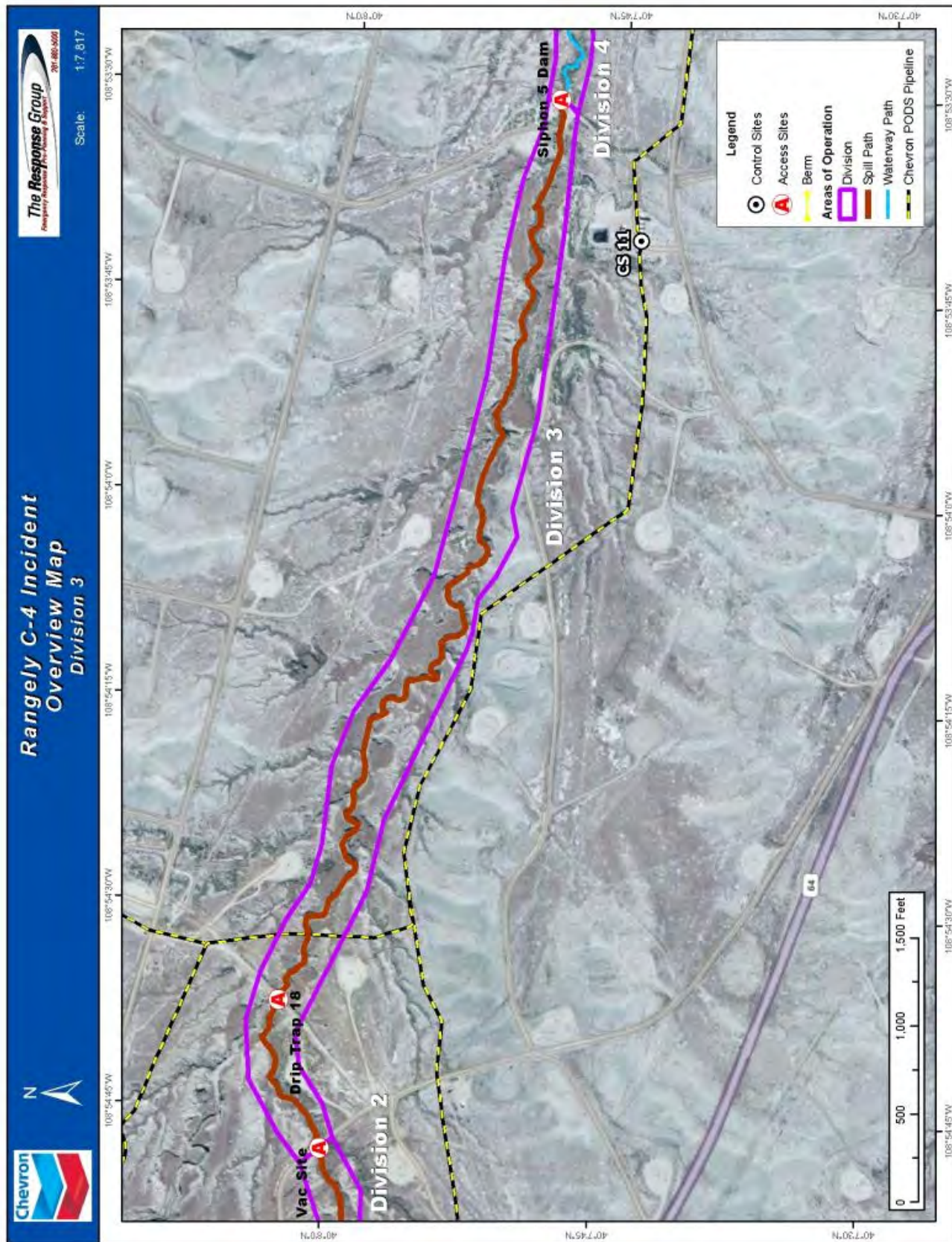
ICS 204 - Assignment List			Area Of Operation: Division 1	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Division 1 Supervisor	Brunmeier, Randal	Chevron Pipe Line	925-203-8974	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Division 1 (Incident Location)	Manpower: Supervisor	Manpower: Supervisor	1	each
Division 1 (Incident Location)	Excavator	Excavator	1	each
Division 1 (Incident Location)	Light Plants	Light Plants	1	each
Division 1 (Incident Location)	Manpower: Operator	Manpower: Operator	7	each
Division 1	Manpower: Responder	Manpower: Responder	7	each
Division 1	Vehicle	Dump Truck	3	each
Division 1	Skid Steer	Skid Steer	1	each
Division 1	Backhoe	Backhoe	1	
Assignments				
Scrape or shovel contaminated soil in division 1 as directed by SCAT Team and load into dump truck to take to CNAEP land farm.				
Haul fill dirt to fill in hole at leak site				
1. Build temporary catch basin (earthen dam) at end of div 1 and start of div 2 2. Build temporary catch basin (earthen dam) just after middle of division 2.				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
PPE for personnel in crude is FR Tyvek. No respiratory protection needed. Follow monitoring plan. If step in crude, do NOT step out unless through designated decon. Decon set up at each division. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you walk into their areas Report all Near Miss and Incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes are recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations.				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/15/2017 13:46 GMT -7:00 PP	
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ICS 204 - Assignment List	Area Of Operation: Division 1
Incident Name: Rangely C-4	Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]
20170316_Division_1_Overview_Map	



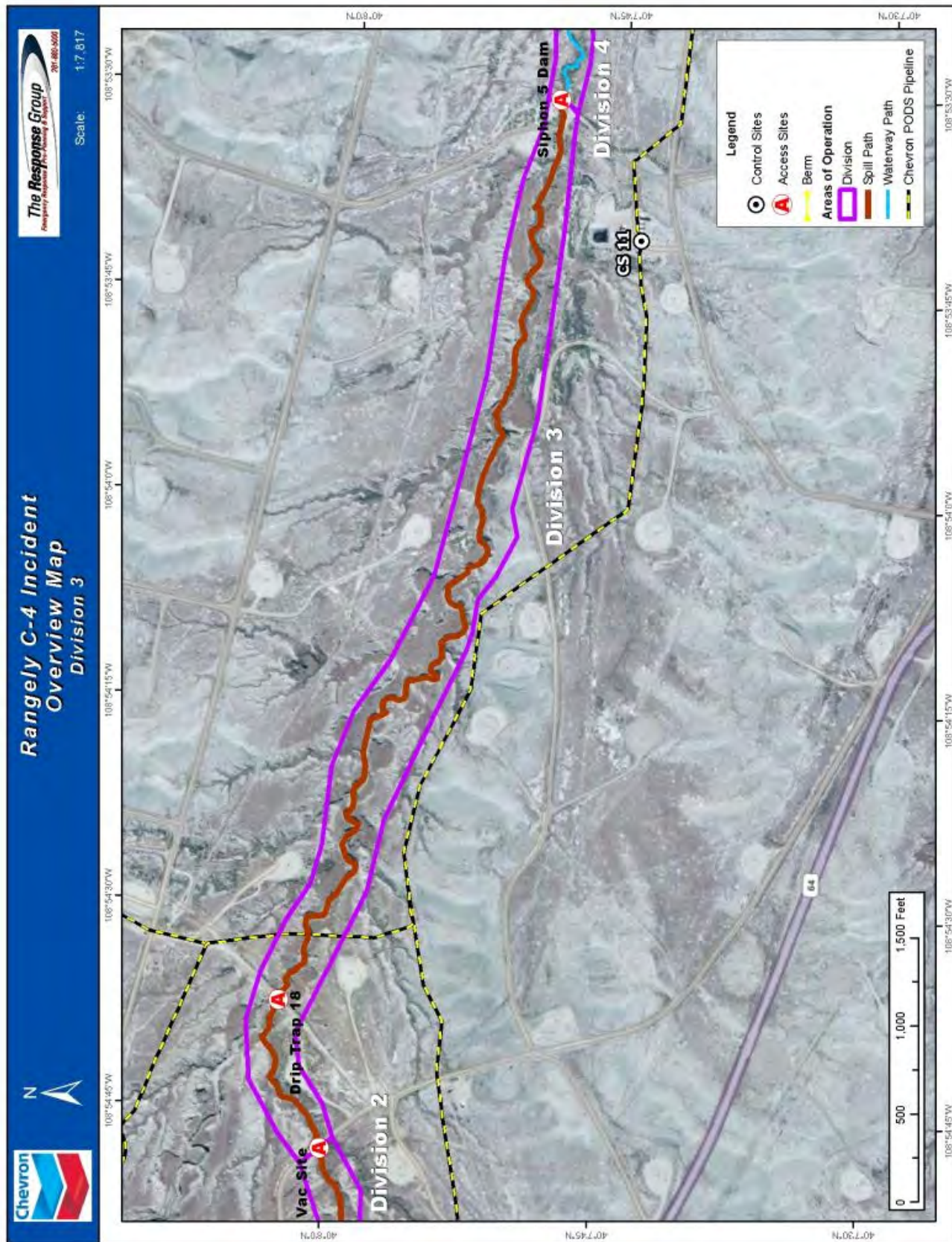
ICS 204 - Assignment List			Area Of Operation: Division 3	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Division 3 Supervisor	Rinche, Chris	Chevron Pipe Line	2815435050	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Division 3	Manpower: Supervisor	Manpower: Supervisor	1	each
Division 3	Light Plants	Light Plants	1	each
Division 3	Manpower: Operator	Manpower: Operator	2	each
Division 3	Vacuum Truck	Vacuum Truck	1	each
Division 3	Truck, Hot Oil	Truck, Hot Oil	1	each
Assignments				
Oversee hot water heater truck and 3 water truck haulers.				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
PPE for personnel in crude is FR Tyvek. No respiratory protection needed. Follow monitoring plan. If step in crude, do NOT step out unless through designated decon. Decon set up at each division. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you walk into their areas Report all NM and Incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes are recognize a hazard. Check in with division supervisor as you walk into their areas Report all Near Miss and Incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes are recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations.				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/14/2017 16:05 GMT -7:00 PP	
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ICS 204 - Assignment List	Area Of Operation: Division 3
Incident Name: Rangely C-4	Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]
20170316_Division_3_Overview_Map	



ICS 204 - Assignment List			Area Of Operation: Group 1 (Brooming)	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Group 1 (Brooming) Supervisor	Berge, Marcus	Chevron Pipe Line	801-598-1082	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Group 1 (Brooming)	Manpower: Supervisor	Manpower: Supervisor	2	each
Group 1 (Brooming)	Manpower: Responder	Manpower: Responder	10	each
Group 1 (Brooming)	Equipment: Small	Brooms/Squigees	11	each
Assignments				
Conduct brooming of liquid within division 3 using 9 Ampol, 1 Weldon, & 1 Enviro Care Manpower 1. Broom crew will conduct brooming operations of wash bottom pushing standing liquid towards siphon				
Special Instructions				
Enviro/Safety to include AC/PA/JSA permits & supervisor If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
<p>PPE for personnel in crude is FR Tyvek, nitrile gloves, safety footwear, hardhat and glasses. If step in crude, do NOT step out unless through designated decon. Decon at drip trap 18. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you enter their areas. Report all near misses and incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes or recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations. Avoid any overhanging/sluffing areas. Confirm PPE can withstand water temperature to at least 140 degree F. Ensure PPE is well taped to avoid tearing and compromising the protection from liquids. Have enough spotters to have eyes on all workers in the wash/slough, with at least one CPL Safety Rep on site. Reiterate that workers should take breaks as needed. Maintain visual contact with spotters at all time.</p> <p>Assess ravine in order to identify potential cave in areas. Identify a spotter when working in potential cave in areas in order to give forewarning.</p>				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/13/2017 13:34 GMT -7:00 PP	
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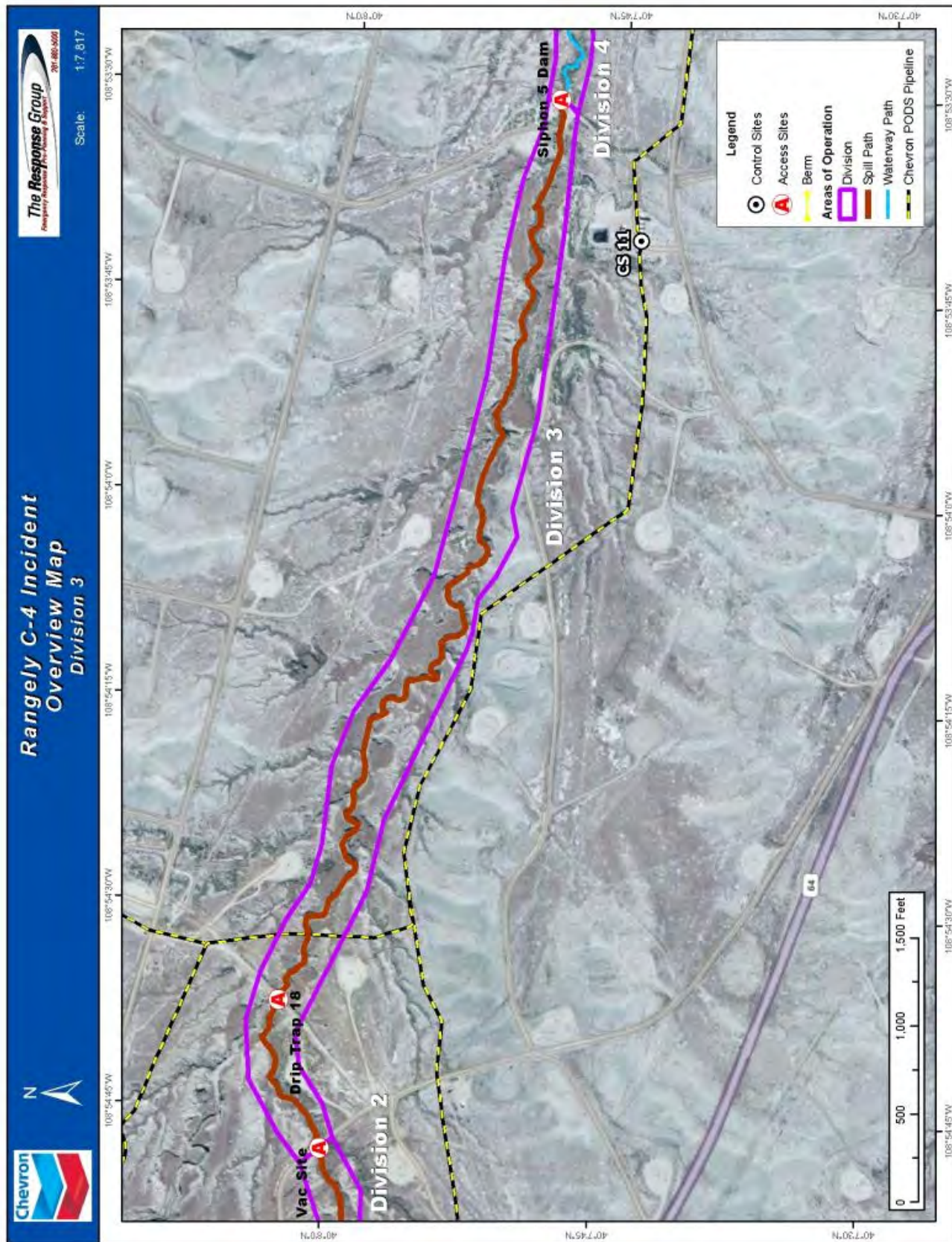
ICS 204 - Assignment List	Area Of Operation: Group 1 (Brooming)
Incident Name: Rangely C-4	Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]
20170316_Division_3_Overview_Map	



ICS 204 - Assignment List		Prepared By Pasquier, John, Updated 03/13/2017 13:34 GMT -7:00 PP	
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ICS 204 - Assignment List			Area Of Operation: Group 2 (Brooming)	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Group 2 (Brooming) Supervisor	Frantz, Eric	Chevron Pipe Line	714-461-6792	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Group 2 (Brooming)	Manpower: Supervisor	Manpower: Supervisor	1	each
Group 2 (Brooming)	Manpower: Responder	Manpower: Responder	8	each
Group 2 (Brooming)	Equipment: Small	Brooms/Squigees	11	each
Assignments				
Conduct brooming of liquid within division 3 using 8 Enviro Care manpower 1. Broom crew will conduct brooming operations of wash bottom pushing standing liquid towards siphon				
Special Instructions				
Enviro/Safety to include AC/PA/JSA permits & supervisor If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
<p>PPE for personnel in crude is FR Tyvek, nitrile gloves, safety footwear, hardhat and glasses. If step in crude, do NOT step out unless through designated decon. Decon at drip trap 18. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you enter their areas. Report all near misses and incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes or recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations. Avoid any overhanging/sluffing areas. Confirm PPE can withstand water temperature to at least 140 degree F. Ensure PPE is well taped to avoid tearing and compromising the protection from liquids. Have enough spotters to have eyes on all workers in the wash/slough, with at least one CPL Safety Rep on site. Reiterate that workers should take breaks as needed. Maintain visual contact with spotters at all time. Use a spotter when backing up. No cell phones when operating the vehicle from the cab.</p> <p>Assess ravine in order to identify potential cave in areas. Identify a spotter when working in potential cave in areas in order to give forewarning.</p>				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/13/2017 12:22 GMT -7:00 PP	
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ICS 204 - Assignment List	Area Of Operation: Group 2 (Brooming)
Incident Name: Rangely C-4	Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]
20170316_Division_3_Overview_Map	



ICS 204 - Assignment List			Area Of Operation: Group 3 (Washing)	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Group 3 (Wash) Supervisor	Motty, Reggie	Chevron Pipe Line	337-319-6988	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Group 3 (Washing)	Manpower: Operator	Manpower: Operator	6	each
Group 3 (Washing)	Manpower: Responder	Manpower: Responder	2	each
Group 3 (Washing)	Manpower: Supervisor	Manpower: Supervisor	2	each
Group 3 (Washing)	Vacuum Truck	Vacuum Truck	5	each
Group 3 (Washing)	Truck, Hot Oil	Truck, Hot Oil	1	each
Assignments				
<p>Water wash division 3 from drip trap 18 to siphon 5</p> <p>Prerequisite: Develop safe plan and PPE requirements specific to wash plan with HES support.</p> <ol style="list-style-type: none"> 1. Position two vac-truck and one water heater truck at AC Mclaughlin #4. This site will be manned by one water heater truck operator controlling the outlet valve and one CEE handling the hose. 2. Position two vac trucks at siphon 5 for wash water collection. This site will be manned with two vac truck operators and one CPL. 3. Flush hot water at midway point between drip trap 18 and siphon 5 out of one water heater truck to start water wash. Flush hot water at bridge location at siphon 5 with 1 vac truck. *Note water will be heated to 140 degs. 3.a. Control flow of flush by throttling valve on water heater truck monitoring liquid level to prevent any rise of liquid level in the ravine beyond contamination. 4. Communicate start of flush to personal at containment site via-cell phone. 5. Start sucking with vac truck at siphon 5 once product is received. 6. Observe water wash from viewpoints to ensure no breach or splashing of liquid on sides of ravine. "3 CPL observers will be used during the flush" 7. Monitor effectiveness of wash, report back to IC <p>NOTE: Communication of plan will be reviewed by all on site and signed during JSA meeting</p>				
Special Instructions				
<p>Enviro/Safety to include AC/PA/JSA permits & supervisor CPL Safety to provide monitoring and observations during wash If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)</p>				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
<p>Look for animal burrows in the side walls. Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.</p>				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/14/2017 10:09 GMT -7:00 PP	
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ICS 204 - Assignment List		Area Of Operation: Group 3 (Washing)	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Special Site-Specific Safety Considerations			
<p>PPE for personnel in crude is FR Tyvek, nitrile gloves, safety footwear, hardhat and glasses.</p> <p>Spotter agreement w/ operator including stop work signal.</p> <p>Check in with division supervisor as you enter their areas.</p> <p>Report all near misses and Incidents.</p> <p>Plan the work and work the plan.</p> <p>Use Stop Work Authority if scope changes or recognize a hazard.</p> <p>Work within your JSA / PTW / Specialized Permit scope and mitigations.</p> <p>Be sure vac trucks are chocked and grounded.</p> <p>Use a spotter when backing up.</p> <p>No cell phones when operating the vehicle from the cab.</p> <p>Confirm PPE can withstand water temperature to at least 140 degree F.</p> <p>Reiterate that workers should take breaks as needed.</p> <p>Maintain visual contact with spotters at all time.</p> <p>Continuos monitoring while leaf blower in use.</p>			
ICS 204 - Assignment List		Prepared By Pasquier, John, Updated 03/14/2017 10:09 GMT -7:00 PP	
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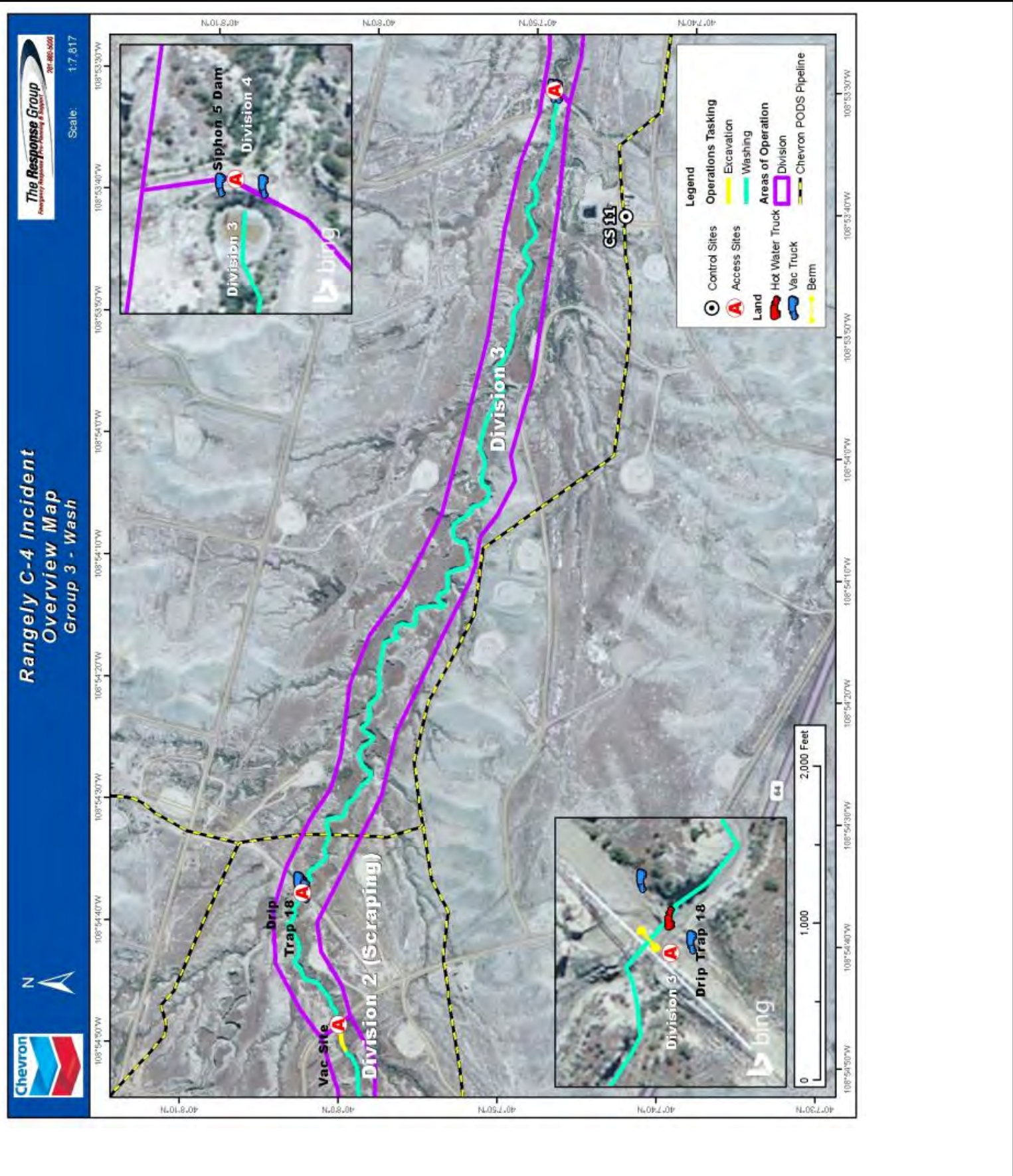
ICS 204 - Assignment List

Area Of Operation: Group 3 (Washing)

Incident Name: Rangely C-4

Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]

20170316_Group_3_Overview_Map

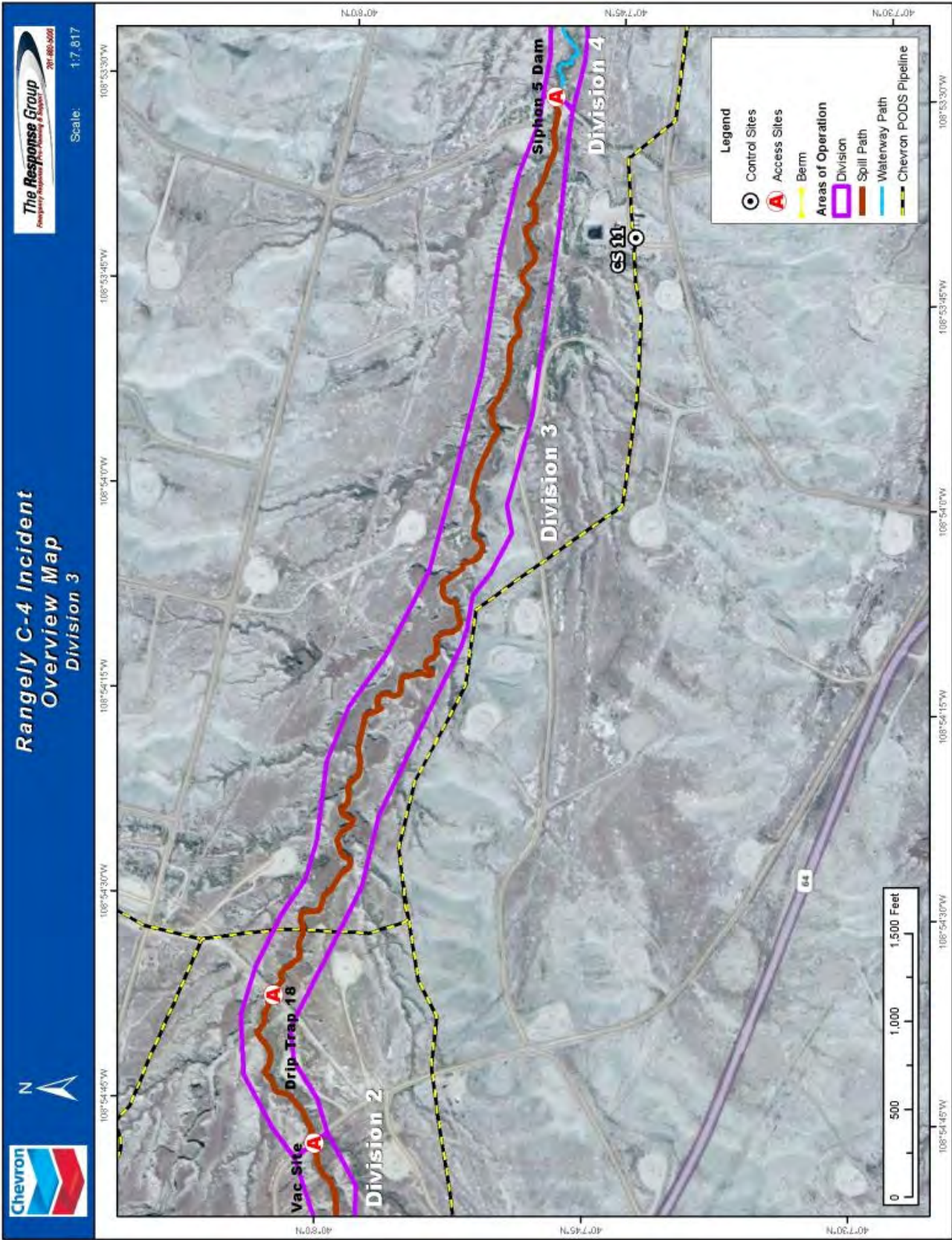


ICS 204 - Assignment List

Prepared By Pasquier, John, Updated 03/14/2017 10:09 GMT -7:00 PP

ICS 204 - Assignment List			Area Of Operation: Group 4 (Brooming)	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Group 4 (Brooming) Supervisor	Lomas, Mark	Chevron Pipe Line	661-623-8080	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Group 4 (Brooming)	Manpower: Responder	Manpower: Responder	10	each
Group 4 (Brooming)	Manpower: Supervisor	Manpower: Supervisor	2	each
Group 4 (Brooming)	Equipment: Small	Brooms/Squigees	12	each
Assignments				
Conduct brooming of liquid within division 3 using 4 Enviro Care, 1 WPFI, & 6 AMPOL Manpower Broom crew will conduct brooming operations of wash bottom pushing standing liquid towards siphon Build temporary catch basin (earthen dam) at pipeline ROW in division 3				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
PPE for personnel in crude is FR Tyvek, nitrile gloves, safety footwear, hardhat and glasses. If step in crude, do NOT step out unless through designated decon. Decon at drip trap 18. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you enter their areas. Report all near misses and incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes or recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations. Avoid any overhanging/sluffing areas. Confirm PPE can withstand water temperature to at least 140 degree F. Ensure PPE is well taped to avoid tearing and compromising the protection from liquids. Have enough spotters to have eyes on all workers in the wash/slough, with at least one CPL Safety Rep on site. Reiterate that workers should take breaks as needed. Maintain visual contact with spotters at all time. Use a spotter when backing up. No cell phones when operating the vehicle from the cab. Assess ravine in order to identify potential cave in areas. Identify a spotter when working in potential cave in areas in order to give warning of potential cave ins.				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/13/2017 12:24 GMT -7:00 PP	
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ICS 204 - Assignment List	Area Of Operation: Group 4 (Brooming)
Incident Name: Rangely C-4	Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]
20170316_Division_3_Overview_Map	



ICS 204 - Assignment List			Area Of Operation: Decon Group	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Decon Group Supervisor	Williams, Joshua	EnviroCare	435-740-0276	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Decon Group	Manpower: Supervisor	Manpower: Supervisor	1	each
Assignments				
Utilize existing decon stations for decontamination of personnel & equipment and add new decon locations if needed.				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
PPE for personnel in crude is FR Tyvek. - Dispose of oiled Tyvek by double bagging and hauling to EnviroCare bin at staging area on top of the hill. No respiratory protection needed. Follow monitoring plan. If step in crude, do NOT step out unless through designated decon. Decon set up at each division. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you walk into their areas Report all Near Miss and Incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes are recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations.				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/15/2017 17:54 GMT -7:00 PP	
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ICS 204 - Assignment List			Area Of Operation: Air Monitoring Group	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Environmental Branch Director	Eggert, Derek	Chevron DWEP SBU	281-753-0816	Day Shift
Air Monitoring Group Supervisor	Fendler, Tom	Stantec	801-230-6646	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Air Monitoring Group	Manpower: Responder	Manpower: Responder	2	each
Air Monitoring Group	Equipment: Safety	Air Monitors	2	each
Air Monitoring Group	Pickup Truck	Pickup Truck	1	each
Assignments				
<p>Selected response personnel to wear personal air monitoring devices while working.</p> <p>Stantec to conduct work area air monitoring across divisions.</p> <p>Bump test air meters.</p> <p>Action levels are detailed in the Air Monitoring Plan.</p> <p>Stantec to provide air monitor data sheets to Safety Officer at the end of each period.</p>				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
<p>PPE for personnel in crude is FR Tyvek.</p> <p>Follow air monitoring plan.</p> <p>If step in crude, do NOT step out unless through designated decon.</p> <p>Decon set up at each division.</p> <p>Check in with division supervisor as you walk into their areas</p> <p>Report all Near Miss and Incidents.</p> <p>Plan the work and work the plan.</p> <p>Use Stop Work Authority if scope changes are recognize a hazard.</p> <p>Work within your JSA / PTW / Specialized Permit scope and mitigations.</p> <p>Watch walking and working surfaces for slippery conditions. Always have a free hand.</p> <p>Utilize buddy system.</p> <p>Report air monitoring results to safety officer at the end of the day.</p>				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/16/2017 15:44 GMT -7:00 PP	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/16/2017 17:46 GMT -7:00	Page 22 of 33	© TRG	

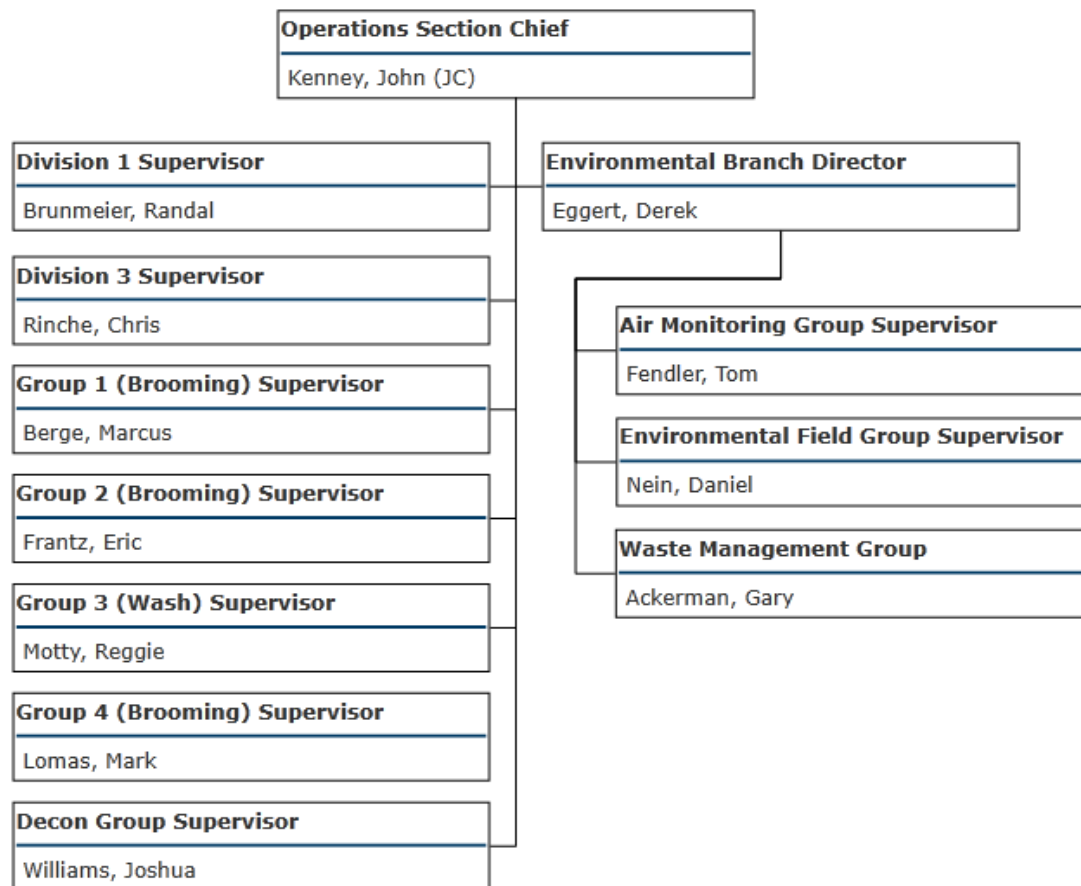
ICS 204 - Assignment List			Area Of Operation: Environmental Field Group	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Environmental Field Group Supervisor	Nein, Daniel	Stantec	2076537729	Day Shift
Environmental Branch Director	Eggert, Derek	Chevron DWEP SBU	281-753-0816	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
SCAT Group	Manpower: Responder	Manpower: Responder	2	each
SCAT Group	Pickup Truck	Pickup Truck	2	each
Assignments				
<p>Stantec personnel to complete the following:</p> <ol style="list-style-type: none"> 1. Review areas where work has occurred to document removal of visible oil. 2. Document and collect GPS location of all wildlife resources (nest, game trails through oil, etc.) 3. Collect survey points for mapping of SCAT. 4. Collect photo documentation daily between 14:00 & 16:00 at the six photo locations. 5. Provide written summary of daily SCAT observations by end of period. 6. Provide GPS locations to TRG to incorporate into maps. 7. Monitor and repair wildlife deterrents. 8. Respond to any notifications of impacted wildlife or wildlife entering the impacted area. Identify species of impacted wildlife. 				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
<p>PPE for personnel in crude is FR Tyvek.</p> <p>No respiratory protection needed.</p> <p>Follow monitoring plan.</p> <p>If step in crude, do NOT step out unless through designated decon.</p> <p>Decon set up at each division.</p> <p>Spotter agreement w/ operator including stop work signal.</p> <p>Check in with division supervisor as you walk into their areas</p> <p>Report all Near Miss and Incidents.</p> <p>Plan the work and work the plan.</p> <p>Use Stop Work Authority if scope changes are recognize a hazard.</p> <p>Work within your JSA / PTW / Specialized Permit scope and mitigations.</p>				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/16/2017 15:45 GMT -7:00 PP	
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ICS 204 - Assignment List			Area Of Operation: Waste Management Group	
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief	Kenney, John	Chevron Pipe Line	970-629-1637	Day Shift
Waste Management Group	Ackerman, Gary	Stantec	517-819-1956	Day Shift
Environmental Branch Director	Eggert, Derek	Chevron DWEP SBU	281-753-0816	Day Shift
Resources Required				
Area Of Operation	Resource Kind	Description	Quantity	Size
Waste Management Group	Manpower: Supervisor	Manpower: Supervisor	1	each
Waste Management Group	Pickup Truck	Pickup Truck	1	each
Assignments				
Observe waste loading into bins at staging area. Properly label waste containers as required. Observe collection of PPE waste at decon stations. Track volumes of waste generated, location of storage and receiving location. Report daily volumes of waste. Observe loading of soils into trucks. Observe spreading of soil onto land farm. Collect manifest. Transfer manifests totals to Environmental Unit Leader.				
Special Instructions				
If notice unauthorized persons or vehicles such as media: Stop them, and escort them to the front and contact the Public Information Officer Madonna Smith (713-825-3265)				
Communications				
Name / Function		Contact Details		
Safety Officer: Isabel, Bruce		713-562-4232		
Environmental/Wildlife: Eggert, Derek		281-753-0816		
Special Environmental Considerations				
Monitor for impacted wildlife. If impacted wildlife observed, stop work, do not touch, & contact Derek Eggert. Dispose of all non-hazardous waste.				
Special Site-Specific Safety Considerations				
PPE for personnel in crude is FR Tyvek. No respiratory protection needed. Follow monitoring plan. If step in crude, do NOT step out unless through designated decon. Decon set up at each division. Spotter agreement w/ operator including stop work signal. Check in with division supervisor as you walk into their areas Report all Near Miss and Incidents. Plan the work and work the plan. Use Stop Work Authority if scope changes are recognize a hazard. Work within your JSA / PTW / Specialized Permit scope and mitigations.				
ICS 204 - Assignment List			Prepared By Pasquier, John, Updated 03/16/2017 15:46 GMT -7:00 PP	
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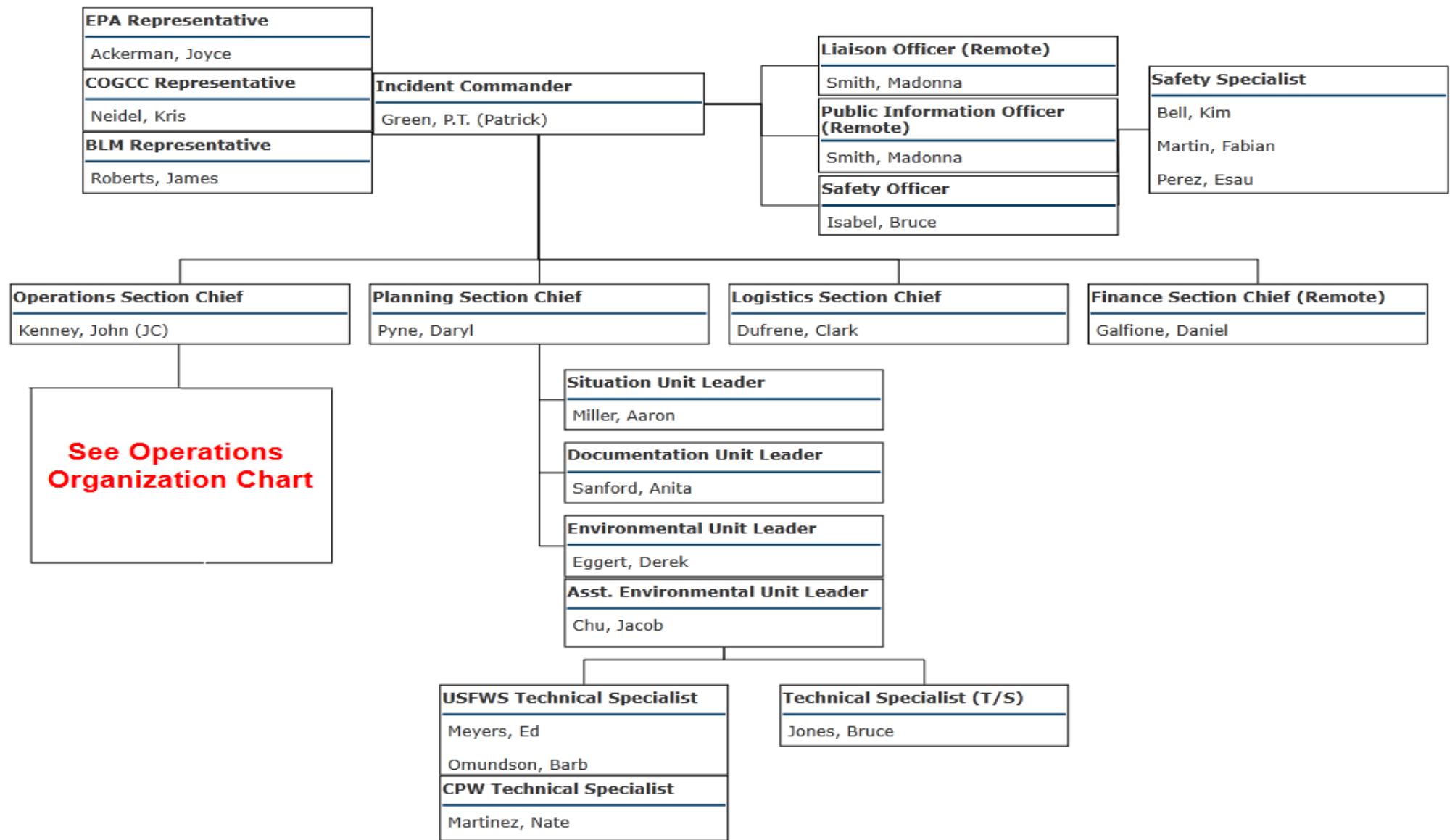
ICS 205a - Communications List				Version Name: Period 11	
Incident Name: Rangely C-4				Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Local Communications Information					
<i>Name</i>	<i>Incident Assigned Position</i>	<i>Mobile Phone</i>	<i>Work Phone</i>	<i>Email</i>	<i>Notes</i>
Ackerman, Gary	Waste Management Group	517-819-1956			
Ackerman, Joyce	EPA Representative	303-886-1632			
Bell, Kim	Safety Specialist	801-301-0703			
Berge, Marcus	Group 1 (Brooming) Supervisor	801-598-1082			
Brunmeier, Randal	Division 2 (Scraping) Supervisor	925-203-8974			
Chu, Jacob	Asst. Environmental Unit Leader	713-492-6830		Jnakoachu@chevron.com	
Dufrene, Clark	Logistics Section Chief	504-415-0585			
Eggert, Derek	Environmental Unit Leader	281-753-0816		dhyg@chevron.com	
Frantz, Eric	Group 2 (Brooming) Supervisor	714-461-6792			
Galfione, Daniel	Finance Section Chief (Remote)	281-841-2181			
Green, P.T. (Patrick)	Incident Commander	801-505-3766	509-543-6104		
Herrera, Matthew	Deputy Operations Section Chief	970-629-8123			
Isabel, Bruce	Safety Officer	713-562-4232		BEIS@chevron.com	
Jones, Bruce	Technical Specialist (T/S)	517-512-4288			
Kenney, John (JC)	Operations Section Chief	970-629-1637			
Lomas, Mark	Group 4 (Brooming) Supervisor	661-623-8080			
Martin, Fabian	Safety Specialist	661-549-8951			
Martinez, Nate	CPW Technical Specialist	970-756-1289			
Mataway, Phil	Environmental Branch Director	832-494-7705		PMataway@chevron.com	
Miller, Aaron	Situation Unit Leader	909-764-7649	281-880-5000	amiller@responsegroupinc.com	
Motty, Reggie	Group 3 (Wash) Supervisor	337-319-6988			
Neidel, Kris	COGCC Representative	970-819-9609			
Nein, Daniel	Environmental Field Group Supervisor	207-653-7729			
ICS 205a - Communications List					
Prepared By Pasquier, John, Updated 03/16/2017 17:38 GMT -7:00 PP					
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ICS 205a - Communications List			Version Name: Period 11		
Incident Name: Rangely C-4			Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]		
Perez, Esau	Safety Specialist	832-312-8684			
Pyne, Daryl	Planning Section Chief	713-857-4498		Daryl.pyne@chevron.com	
Rinche, Chris	Division 3 Supervisor	281-543-5050			
Rodriguez, Monica	Operations Advisor	385-242-5659			
Sanford, Anita	Documentation Unit Leader	970-640-3572			
Smith, Madonna	Public Information Officer	713-825-3265		FPSM@chvron.com	
Williams, Joshua	Decon Group Supervisor	435-740-0276			
ICS 205a - Communications List			Prepared By Pasquier, John, Updated 03/16/2017 17:38 GMT -7:00 PP		
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ICS 206 - Medical Plan				Version Name: OVERALL				
Incident Name: Rangely C-4				Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]				
Medical Aid Stations								
<i>Name</i>	<i>Location</i>	<i>Paramedic On Site</i>	<i>Phone</i>	<i>Radio</i>				
DIV 1		<input type="checkbox"/>						
DIV 2 - Brunmeier, Randal		<input type="checkbox"/>	Ph1: 925-203-8974					
DIV 3 - Rinche, Chris		<input type="checkbox"/>	Ph1: 281-543-5050					
DIV 4 -		<input type="checkbox"/>						
DT-18 - Reggie Motty		<input type="checkbox"/>	Ph1: 337-319-6988					
Transportation (Ground and/or Air Ambulance Services)								
<i>Ambulance Service</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air</i>	<i>ALS</i>			
Local (Rangely District Hospital)	225 Eagle Crest Drive Rangely, CO -108.67676 39.76633	Ph1: 970-675-5011		<input type="checkbox"/>	<input type="checkbox"/>			
Hospitals								
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>	<i>Burn Center</i>
Rangely District Hospital	225 Eaglecrest Rangely, CO 81648 -108.80099 40.08325	Ph1: 970-675-5011		min	15 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ashley Regional Medical Center	150 West 100 North Vernal, UT 84078 -109.53137 40.45713	Ph1: 435-789-3342		min	60 min	II	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pioneers Medical Center	100 Pioneers Medical Center Drive Meeker, CO 81641 -107.88156 40.04629	Ph1: 970-878-5047		min	90 min	II	<input type="checkbox"/>	<input type="checkbox"/>
Special Medical Emergency Procedures								
ICS 206 - Medical Plan				Prepared By SAFETY, Updated 03/13/2017 16:13 GMT -7:00 PP				
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Operations Section Organization Chart

Overall Organization Chart



ICS 208 - Site Safety Plan				Version Name: OVERALL				
Incident Name: Rangely C-4				Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]				
Applies to Site: OVERALL								
Site Characterization								
Water		N/A		Land		Weather		
Wave Height		N/A		Land Use		Air Temp		
Speed				Wind Speed		7.00 mph		
Direction				Direction		WNW		
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Helicopter Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pump Hose			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fire, Explosion, In-situ Burning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls			
Air Monitoring Limits								
Oxygen Level		19.5 - 20 %	Hydrogen Sulfide		10 ppm	Total Hydrocarbons		
LEL		0-10 %	Benzene		1 ppm			
Engineering Controls								
<input checked="" type="checkbox"/>	Source of release secured		<input checked="" type="checkbox"/>	Valve(s) closed		<input checked="" type="checkbox"/>	Energy sources locked/tagged out	
<input type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input checked="" type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Chemical Gloves	
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Eye protection		<input checked="" type="checkbox"/>	division 2 - 1 to 10 ppm require half-mask	
<input checked="" type="checkbox"/>	Outer gloves		<input type="checkbox"/>	Personal flotation		<input checked="" type="checkbox"/>	Impervious Suit when entering Hot Zone	
<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Boots				
<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Air Monitors				
Additional Control Measures Established								
<input checked="" type="checkbox"/>	Decontamination		<input type="checkbox"/>	Medical surveillance		<input checked="" type="checkbox"/>	Portable Eyewash Station	
<input checked="" type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Additional stations established				
<input checked="" type="checkbox"/>	Illumination		<input checked="" type="checkbox"/>	Facilities provided				
Work Plan								
<input checked="" type="checkbox"/>	Booming		<input checked="" type="checkbox"/>	Excavation		<input checked="" type="checkbox"/>	Hot work	
<input checked="" type="checkbox"/>	Skimming		<input checked="" type="checkbox"/>	Heavy equipment		<input checked="" type="checkbox"/>	Appropriate permits used	
<input checked="" type="checkbox"/>	Vac trucks		<input checked="" type="checkbox"/>	Sorbent pads				
<input type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
ICS 208 - Site Safety Plan								
Prepared By Triche, Chad, Updated 03/15/2017 12:34 GMT -7:00 PP								
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ICS 208 - Site Safety Plan				Version Name: OVERALL			
Incident Name: Rangely C-4				Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]			
Training							
<input type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements	HAZWOPER LEVEL 3/5		
Organization							
<i>Position</i>	<i>Name</i>	<i>Telephone/Radio</i>	<i>Position</i>	<i>Name</i>	<i>Telephone/Radio</i>		
Incident Commander	Green, P.T. (Patrick)	801-505-3766	Operations Section Chief	Kenney, John (JC)	970-629-1637		
Safety Officer	Isabel, Bruce	713-562-4232					
Emergency Plan							
<input type="checkbox"/>	Fire Prevention Plan		<input type="checkbox"/>	Evacuation Plan			
<input type="checkbox"/>	Alarm System		<input type="checkbox"/>	First Aid Location			
Notifications							
<i>Facility</i>		<i>Phone</i>	<i>Facility</i>		<i>Phone</i>		
<input type="checkbox"/>	Hospital	Rangely District Hospital	970-878-9600	<input type="checkbox"/>	Fire	Rangely Fire Department	970-675-5011
<input type="checkbox"/>	Ambulance	Local	214-348-0850	<input type="checkbox"/>	Law Enforcement	Sherriff	970-878-9600
<input type="checkbox"/>	Air Ambulance			<input type="checkbox"/>	Emergency Response/Rescue	Rangely Fire Department	970-675-5011
Initial Briefing							
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site						
Attachments/Appendices							
Attachment			Filename				
3617 Rangely Leak JSSP (002).docx			3617 Rangely Leak JSSP (002).docx				
Crude Oil Weber Sand Mix MSDS 2015.pdf			Crude Oil Weber Sand Mix MSDS 2015.pdf				
ICS 208 - Site Safety Plan				Prepared By Triche, Chad, Updated 03/15/2017 12:34 GMT -7:00 PP			
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ICS 223 - Health and Safety Message		Version Name: Period 10	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Major Hazards and Risks			
<ul style="list-style-type: none"> - Open Edges/Fall Hazards - Heat Stress - FR Tyvek Allowance - Hot Work Activities in Division 1 			
Narrative			
<p>- Remind employees to stay aware of proximity to open edges. The stability of the ground around the ravine on Divisions 3 and 4 are suspect. Try to stay at least 6 feet away from the edge. If approaching the edge to check on personnel inside the ravine, use caution and look for potential signs of unstable ground conditions.</p> <p>- Temperature for Thursday March 15th is predicted to reach low 70's with clear skies. Personnel should be diligent about drinking plenty of fluids alternating between water and gatorade. Personnel should take breaks as necessary throughout the day. If conditions allow, find a shaded place to rest and recover. Special consideration should be given to personnel wearing FR tyvek suits.</p> <p>- Personnel wearing FR tyvek suits will be allowed to wear light clothing (t-shirt, shorts, etc.) underneath the protective ensemble. At the decontamination sites, personnel will be allowed to either switch to the white FR suits or to their own FR coveralls in order to walk outside the clean up area.</p> <p>- Ensure that hot work standards and procedures are followed (i.e. MIP 207 pipeline idling and abandonment, Hot Work standard, Isolation of hazardous energy standard) All associated permits need to be properly completed, fire watch should remain on site 30 mins after completion of work, Equipment should be completely de-energized and verification of zero energy should be confirmed prior to cut out and replacement. LEL levels should not exceed 10% when performing hot work, if in a confined space LEL levels should not exceed 0%, continues atmospheric monitoring should be conducted and information should be recorded on gas log.</p>			
ICS 223 - Health and Safety Message		Prepared By Perez, Esau, Updated 03/16/2017 07:06 GMT -7:00 PP	
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ICS 223 - Health and Safety Message		Version Name: OVERALL	
Incident Name: Rangely C-4		Period: Period 11 [03/17/2017 07:00 - 03/18/2017 07:00]	
Major Hazards and Risks			
<p>Inhalation of hazardous substance (see below)</p> <p>Skin contact with hazardous substance (list below)</p> <p>Flammable or toxic substances (list below)</p> <p>Heat Stress and / or exhaustion</p> <p>Cold Stress</p> <p>Noise</p> <p>Other hazards / concerns (list)</p> <p>Hazards to eyes</p> <p>Cuts and Abrasions</p> <p>Vehicular / pedestrian traffic</p> <p>Confined Space entry (potential at repair site only)</p> <p>Excavation (repair site only)</p> <p>Lockout/Tagout</p> <p>Hot Work</p>			
Narrative			
<p>Crude oil minor irritation to skin - if collecting debris creates contact with arms, tyvek is required</p> <p>Ensure grounding and bonding of vac trucks</p> <p>Be mindful of areas for animal encounters: When traveling to and from work site(s) animals are more active around dawn and dusk hours. Weather conditions are variable: hypothermia hazards exists, as well as overheating as the temp increases during daytime debris removal operations. Outer most layer must be FRC.</p> <p>Stop work trigger: High winds, sudden change in weather or flash flooding</p>			
ICS 223 - Health and Safety Message		Prepared By Triche, Chad, Updated 03/07/2017 19:23 GMT -7:00 PP	
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