



AK Shield 2014 Hazmat Symposium and Field Exercise **Kodiak, Alaska** **April 1-3, 2014**



Executive Summary:

The Alaska Department of Environmental Conservation (DEC), Division of Spill Prevention and Response (SPAR) facilitated the planning and execution of the Alaska Shield 2014 Hazmat Symposium and Field Exercise in Kodiak, AK from April 1-3, 2014. This Hazmat component of Alaska Shield was sponsored by the Statewide Hazardous Materials Response Team, DEC, and the Alaska Division of Homeland Security and Emergency Management (DHS&EM), co-sponsored by Alaska West Express, and hosted by the City of Kodiak Fire Department. The theme for this year's event was the 50th anniversary of the 1964 Alaska Earthquake. The symposium portion was held at the Kodiak Harbor Convention Center on April 1–2, and the functional field exercise was held at the Kodiak City Dock on April 3. Over 70 people attended the symposium which provided classroom style presentations regarding hazmat team activation, hazmat size-up, pre-entry hazmat sampling refresher, intermodal tanks, a panel discussion on hazmat fires, and a full day of Ammonia Awareness/Response training. The topics were presented through lectures, interactive activities, and demonstrations. For the field exercise, the Statewide Hazmat Response Teams from Anchorage, Fairbanks, Kodiak, Juneau, Ketchikan, and support teams from Sitka, Mat-Su, 103rd Civil Support Team (CST), and EPA responded in Level A suits (fully encapsulated chemical protective suit with supplied air) to three separate simulated releases of extremely hazardous substances from a catastrophic earthquake. Other participants included the 85th CST from Utah, the Kodiak Coast Guard, Kodiak Fire Department, and staff from DEC and DHS&EM. Three hazmat vendors also attended the event. Presentations, photos, and other meeting materials will be available soon at the DEC Hazmat website:

<http://dec.alaska.gov/spar/perp/hazmat.htm>

Background of Statewide Hazmat Response Team:

In 1996, DEC initiated a hazmat planning effort by forming a work group to develop a statewide Level A response capability in order to maintain and expand oil and hazardous substance spill response capabilities throughout Alaska. The primary members to the work group included the Municipality of Anchorage, the Fairbanks North Star Borough, and DEC. The efforts of the group resulted in the formation of a Regional Hazmat Response Team consisting of the Anchorage and Fairbanks Hazmat Teams. Formal local response agreements were negotiated so that both teams were capable of responding beyond their jurisdictional boundaries at the direction of the DEC State On-Scene Coordinator (SOSC). The regional team has expanded and

is now called the Statewide Hazardous Materials Response Team and consists of five community Level A response teams from Anchorage, Fairbanks, Juneau, Ketchikan, and Kodiak, and other response partners including the 103rd Civil Support Team (CST), the EPA Response Team, and numerous local fire departments that support the Level A teams. The five community teams are all deployable by the DEC SOSOC to any location within the State of Alaska that would require a Level A response.

The Statewide Hazmat Response Work Group has continued to grow and now has over 25 participating entities including local, State, Federal, military, private and industry hazmat response partners. DEC facilitates the work group meetings 3 times per year to discuss and update statewide response capabilities, standardizing operating procedures, lessons learned from recent responses, training, exercises, equipment enhancements, decontamination assets, weapons of mass destruction (WMD) contingencies, funding, and other topics of interest.

DEC and the Statewide Hazmat Response Work Group continues to focus on enhancing the overall hazmat response capability in the State which includes the integration of response teams, training opportunities to work together, promoting coordination for a coherent response effort to any hazmat related incident, sustaining a mass decontamination capability, and to improve the working relationship between all hazmat response partners throughout the State.

The Alaska Shield exercise provides the perfect opportunity to help accomplish these goals.

Symposium and Exercise Evaluation Summary:

Attached you will find evaluation summaries for both the symposium and the field exercise. These summaries are a compilation of the evaluations submitted by attendees and participants of the event. Overall the event was a great success.

We had over 70 people attending the symposium and ammonia training. Attendees represented 9 different Level A response teams, 3 fire departments, 2 State agencies, 2 federal agencies, 2 National Guard Civil Support Teams, 5 local seafood processors, and 3 independent vendors of emergency response equipment. The general comments were very favorable towards the classroom portion of the event. The full day ammonia awareness training was provided by iWorkWise, a contractor from Seattle, and received excellent reviews. The importance of providing training topics specific to Alaska is certainly recognized as vital to all.

Kodiak was a fantastic venue for the field exercise, and just getting the people and equipment there presented a logistical training opportunity for any potential real-time remotely located hazardous substance release. Specific equipment needs in remote areas as well as shipping restrictions can be a hindrance to a timely and successful response. The exercise at the city dock included 30 hazmat technicians from 9 different hazmat teams, and 24 additional support staff acting as controllers and facilitators. The hazmat technicians were integrated into 9 entry teams with all members of each team from different home teams. This allowed the responders

to work with other responders that they do not know or normally work with. This integration approach has been used in the last 3 Alaska Shield Hazmat Exercises and has proven to be an invaluable learning tool and relationship builder. The 9 entry teams were each able to make entry in their Level A suits to three separate hazmat release scenarios. The Kodiak Hazmat Team also set up their wet decontamination unit so all entry teams were able to go through the decon line once. Being Kodiak, it did rain all day which added another element of realism for a coastal community response.

One response site simulated a stash of 55-gallon drums containing a liquid poison that had released, along with one unconscious victim to be rescued. Two leaking drums had to be placed in overpack drums for containment and source control.

A second site was a mock mobile clandestine laboratory containing a variety of lab equipment and an unknown white powder and liquid substance that needed to be sampled for analysis. This scenario also included the entry teams and the samples they collected going through a decontamination line.

The third scenario was originally to be a simulated ammonia leak from the Trident Seafood processing facility near the city dock. A last minute cancellation from Trident caused the Kodiak Deputy Fire Chief to come up with an alternate scenario. To our great luck, he was able to secure a fishing vessel, the F/V Pacific Storm, for the day and set up a simulated refrigerant release in the engine room of the vessel. The teams made entry onto the boat down a ladder from the dock and worked their way to the lower level of the boat to secure the leak. This was the highlight of the response scenarios as many of the technicians had never before made a Level A entry onto a fishing vessel.

These response scenarios were realistic and very typical of what any of our response teams may encounter throughout Alaska. In addition, EPA set up a training station at the dock to demonstrate and explain a HAZCAT (hazard categorization) system for identifying an unknown substance. This was a training station that did not involve suiting up in Level A. Each entry team was able to attend this presentation as well.

The participant evaluations will be used to help determine future training topics, response scenarios, and to improve upon the overall success of the Alaska Shield Hazmat Symposium and Field Exercise.



1. Kodiak Deputy Fire Chief Jim Mullican giving the keynote address. (Photo ADEC).



2. A variety of response equipment used by different teams throughout the state was on display to share knowledge and information between local teams. (Photo ADEC).



3. Participants were provided a one day ammonia training that updated their HAZWOPER or ammonia certificates. (Photo ADEC).



4. Overview of the exercise area showing the drum, lab, and decontamination trailer sites.(Photo ADEC).



5. LEFT: HAZMAT responders conducting victim rescue at drum site. RIGHT: HAZMAT responders over-packing a 55-gallon drum. (Photo ADEC).



6. HAZMAT responders took samples from a mobile lab scenario and processed the samples through the decontamination unit. (Photo ADEC).



7. The Environmental Protection Agency's HAZCAT demonstration. (Photo ADEC).



8. LEFT: HAZMAT responders accessing a fishing vessel with a simulated refrigerant leak in the engine room. RIGHT: HAZMAT responders working in the engine room to isolate the leak. (Photo ADEC).



9. HAZMAT responders accessing the fishing vessel. (Photo ADEC).



10. HAZMAT responders heading to the scenario sites. (Photo ADEC).



AK Shield 2014 Hazmat Symposium

Evaluation Summary

Kodiak, Alaska

April 1, 2014



Please rate and provide any comments (negative and positive) on the following presentations, and include any recommendations for improvement.

Statewide Hazmat Team Activation Process				
<input type="checkbox"/> Unsatisfactory	<input type="checkbox"/> Poor	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Excellent	<input type="checkbox"/> Outstanding
Average Evaluation Rating Bar			Mid-Satisfactory	
<p>Comments:</p> <ul style="list-style-type: none"> Was great to see the process in which the teams will be activated. Good info. Good insight about the State's activation process. Constant reminder of this process is vital to continued success and timely response. Good info. It would have been nice to go over some past activations. The SOSC also have capability to delegate their authority and the person with the delegated authority can activate the team. Didn't know all the different teams. Good to see the process and how decisions are made. Lively presentation style. Light on details. Update accuracy of some info. (i.e., CST numbers). Include where the decision to call the CST enters into considerations during the activation process. Room acoustics are not good for those at the back. Mark Sielaff needs to use the mic and not speak so fast. Handouts with specific current phone #'s and emails for contact process. Gave a very good overview of Statewide Hazmat Team capabilities and other organizations that can support the response. Thank you Mark. Good job! Positive / energetic speaker. Information provided was helpful. Handout was good to that showed the process. Handout was helpful. Very informative on the different Hazmat teams that are available. 				

Hazmat Size-Up									
	Unsatisfactory		Poor		Satisfactory		Excellent		Outstanding
Average Evaluation Rating Bar								Mid-Excellent	
<p>Comments:</p> <ul style="list-style-type: none"> • Practical / simplified approach. • Great review of NIOSH skills. • As always, down, dirty and simple. Don't ever get rid of this presentation. • Very dynamic and didn't speak over our heads. • Review of chemical key points/examples were very helpful in understanding what is important and what to look for. • Very knowledgeable. Keeps it simple. • Great class. • Speaker was very experienced and provided good rule of thumb generalizations. • Fantastic and beneficial presentation. One of the best and most informative and practical that I have seen. • Excellent presentation, basic and to-the-point while still being engaging and entertaining. Great overall view of how to begin assessing a Hazmat call. • Great info to take back and share. • Was in Fairbanks for the first presentation. Good info and refresher. Maybe throw in a break in the middle. • Don does a great job. • I was sitting at front so could hear very well. Werhonig is an excellent presenter, good interaction, humor, eye contact. He made chemistry and properties come alive. • Wonderful and great handout. • Great job Don. Very helpful. Thanks. • Best Hazmat class attended. • Information very useful when sizing up a Hazmat incident. The handout was the best and most useful. • Interactive powerpoint was great. • Great information and background on tables chart along with information on how to read NIOSH book. 									

Hazmat Sampling									
	Unsatisfactory		Poor		Satisfactory		Excellent		Outstanding
Average Evaluation Rating Bar						Mid-Satisfactory			
<p>Comments:</p> <ul style="list-style-type: none"> • Don't let outsiders do the presentation for our sampling kits. General considerations would be fine, but have the local boys do the ASPHL/DEC kit refresher. • Very interesting and informative. • Use of humor to get the point across was good. • A good refresher since tech class. Very knowledgeable and good pictures to keep attention. • A little slow. • Speaker was too focused on stimulating group interactions. • Appreciate having the CST here to provide their expertise. • Good presentation from the 85th. Nice demonstration on basic sampling techniques and considerations. • Great to have people from outta State do this part with everyone else's input. • Maybe throw in some hands on. • Good content. Presentation a tad dry. • Sampling instructors did a great job. I like the humor. • Great hands on presentation. • Good job! Helpful refresher in sampling. • Good subject matter presented. • Excellent briefing on tactics, techniques and procedures. • Watching the example of sampling was good. • Informative on lab and sampling. The hands on sampling was great. 									

Intermodal Tanks									
	Unsatisfactory		Poor		Satisfactory		Excellent		Outstanding
Average Evaluation Rating Bar							Excellent		
<p>Comments:</p> <ul style="list-style-type: none"> • Keep this forever too. • Relevant to Kodiak. Appreciate the review. Thanks for the book. • Well prepared, great photos. Very confident on his knowledge. Good examples of issues encountered. • Tyler is sexy. • Very detailed presentation on intermodal tanks. It would have helped if it was clear how these details relate to Hazmat or Emergency Response. This wasn't always clear. The "lessons learned" section was the most useful. • It would have been nice to have an intermodal here to look at. • Knowledgeable instructor, good overview of shipping containers. • Fast, but to the point. Book will come in handy. • Good class, would like to see actual hands on instead of powerpoint. • It was mostly all new to me because I'm a cannery safety guy. • Good use of current past experience. Good literature for use at home. • Speaker/instructor has great knowledge of subject matter. Case studies were great learning tools. • Very good review. • Great refresher on intermodal tanks. • Interesting education on intermodal tanks. 									

Hazmat Fire				
Unsatisfactory	Poor	Satisfactory	Excellent	Outstanding
Average Evaluation Rating Bar			Excellent	
<p>Comments:</p> <ul style="list-style-type: none"> • Very practical and applicable. Loved the case studies/lessons learned. • Could have used a handout on the summary of the fires discussed. • Case history keeps us safe. • Great case studies generated good discussions. • Good use of visual aids. • Good all around. • Interesting presentation that offered practical advice on real-world incidents. • Could have used this time a little better. • Excellent presentation on Hazmat considerations during traditional firefighting. • Great personal experience! • I learned a lot from Fire Dept viewpoint which will help me set up our NH3 and fire response better to keep you... • Examples very useful. • Good discussion. Videos and pictures are great. • Really interesting. • Good information. • Very interesting. Gives a new look on preplanning on how to fight hazmat fires, and what to look for as a hazmat responder arriving on the scene. • Yep, Tyler is sexy. 				

Overall Symposium Assessment:



Would you like to see future Hazmat symposiums like this held on a periodic basis?

- More group activities with intermixing of different team instead of only one day. Hazcomd would be a great classroom lecture as well.
- Absolutely.
- Yes – once a year or once every two.
- Keep it going on the 2 year rotation.
- Yes.
- Yes.
- Yes.
- Yes.
- Yes, and I like the idea of holding it in a variety of places in the State.
- Yes, it would be good to have it on a yearly or two-year rotation.
- Yes, with all the knowledge in the room, we all can learn a lot! Especially Fairbanks Hazmat! The more of these, the better.
- Yes.
- Annual.
- For me it's good but the acronyms used etc. used are not familiar so I'm floundering. Perhaps people like me should not be here.
- Yes.
- Yes. I am very glad that AK is doing this every 2 or 3 years.
- Yes.
- Yes, I think a symposium every other year would be good.

What would you do to improve the symposium?

- Great symposium! No ideas at this time.
- More often. More specialized courses.
- Nothing – it ain't broke. Don't fix it.
- Great conf.
- ½ day class, ½ day hands on.
- More personal experience stories.
- While having the CST's present was nice, it's important to emphasize their role in Hazmat response. Also, information on when and how to request CST support if encountering something that may involve criminal/terror related activities. Include how to utilize the CST's for training, technical support, and as a reachable resource.

- Doughnuts with sprinkles and more Dr. Pepper. 5 hr Energy for the non-coffee drinkers.
- AOK as is.
- Better acoustics maybe wireless microphones.
- Keep up the multiple agencies working together.
- You guys are doing awesome. More hands on exercises involving facility and over-the-road trailers.
- Baily's with the coffee.

What training topics/exercises would you like to see addressed at future symposiums?

- Anything that pertains to Hazmat response and how to be better at what we do.
- I'd like to see a round table discussion for remote site access/delivery and operation, i.e., rapid delivery by helicopter. Would also like to see a discussion/briefing on admin requirements before, during, and after a mobilization to include cost captures and medical concerns/issues.
- Clan labs.
- Hazmat considerations when responding to known or suspected clandestine operations, not just industry Hazmat or fire-related responses.
- I believe all was covered. Great job!
- Biologicals.
- Chemical breakdown by specie, not hazard class for commodity flow study.
- Not sure how but discussions in smaller break out groups centering on a question or a video – e.g., what did you get out of the video on the NAPA fire? In a big audience not so much interaction occurs.
- Policy/procedures discussions.
- Tools – meters. Mitigation equipment. Hazmat incident – start to finish.
- Thank you. Thank you. Thank you!
- Hazmat EMS.

Thanks for participating in this survey.



AK Shield 2014 Hazmat Symposium
Ammonia Awareness/Response
Evaluation Summary
Kodiak, Alaska
April 2, 2014



Course presented by iWorkWise.

**Has your confidence in dealing with an emergency changed by attending this class?
(Numbers are the total checked for that answer)**

- 0 Less confident
- 3 No change
- 18 Somewhat more confident
- 34 Much more confident

Comments:

- Great class. Thank you!
- Very knowledgeable instructors. Extremely capable instructors as well.
- Great presentation of information and examples.
- Our area of expertise is centered on CWA/BWA, criminal/terror-related activities, and NUC/RAD incidents. While the info was solid, little of it was immediately relevant/applicable (outside of technical data).
- I'm not a first responder so that's why checked "somewhat". But "much more" as pertains to a command/control aspect.
- Great class.
- Awesome class.

**Please rate the following presentation and content:
(Numbers are the total checked for that answer)**

	<u>N/A</u>	<u>Poor(1)</u>	<u>(2)</u>	<u>Good(3)</u>	<u>(4)</u>	<u>Excellent(5)</u>
Case studies	0	0	0	6	11	38
Ammonia properties & hazards	0	0	0	6	18	31
Release response	0	0	0	10	18	27
Refrigeration systems	0	0	0	10	17	28
Quality of instructor	0	0	0	5	8	42

What were the most valuable and useful things you learned today?

- Refrigeration system overview.

- Safety, most incidents were in ANC region so affected us directly. Excellent training even for the second time. Amy was a good addition on facilities.
- Properties of ammonia.
- Refrigeration systems.
- Evaluation of problem.
- When at a scene - ask why; pre-planning with local operators before an emergency is best practice.
- Sometimes letting ammonia vent into the atmosphere may be the best option.
- Ammonia properties and response considerations.
- Presentation on refrigeration systems.
- Chemistry conversions from PSI-mmHg etc. How to address ammonia under different circumstances.
- Chemical properties and practical response approach.
- Street responder information.
- Ammonia properties.
- Properties, behaviors, and characteristics of ammonia.
- The case studies were Alaska based. Very "at home" learning.
- That letting it off-gas might be the best option.
- Refrigeration systems. Properties and hazards. Case studies – always nice to learn from others.
- The case studies and instructor were the most valuable.
- Systems familiarizations.
- Instructor was very well spoken and kept me interested. I learned a lot about properties and risks of ammonia.
- Case studies and properties.
- There is no industry oversight or compliance enforcement when it comes to fishing boats and processing facilities; know your area because the hazards will vary.
- Ammonia properties.
- How best to deal with ammonia response.
- All equally valuable. Fantastic!
- Facility action vs Hazmat team response.
- Case studies and information regarding refrigeration systems.
- Case studies.
- Having a basic understanding of refrigeration system, having refreshed on NH₃ characteristics.
- Case studies/plant operations explained.
- Refrigerant component identification.
- More about ammonia in general.
- Emergency response techniques.
- Ammonia review our target hazard.
- Different thought processes about NH₃ basics.
- Safety and keeping it simple.

- The do's and don'ts for ammonia response.
- Decon and ventilation.
- Ammonia review, our target hazard.
- Ammonia.
- Refer systems configurations, valve operations.
- Case studies.

What did you like best about the course?

- Lively instruction style.
- System overview & case studies.
- Dynamic teacher used all methods of teaching.
- PPE concerns with ammonia.
- Instructors, bleve demo, props.
- Instructors.
- The instructors and materials.
- Demonstrations and case studies.
- Physical demonstrations.
- Presentation of the case studies.
- Videos.
- Jeff is a fantastic instructor.
- Lively instructor.
- Great demonstrations (bag refrigeration, burning in enriched O2 environment, etc).
- Jake's upbeat personality kept me interested.
- The way the class was presented.
- As stated above – the instructors were some of the best I have seen.
- Lighting a cigarette.
- Instructors were knowledgeable and very interactive.
- Visual effects and examples. Instructor not reading out of book.
- Instructor's background and expertise.
- Positive, energetic, and interactive instructors who are currently engaged in the industry.
- Real world examples.
- The hands on and the knowledge of instructors.
- Real world and practical approach to the issue. Not classroom chemistry class.
- Instructors.
- Broad range of information covered.
- Example based learning points.
- Information, knowledge and energy of instructors.
- Case studies and response guidelines (very practical).
- Interactive energetic instructors. Case studies – many and relevant.
- Real life situations and what was taken away with each situation.

- Instructors and presentation.
- Instructor.
- Good energy. Good knowledge.
- Demonstrative aids were great.
- Good instructor.
- Case studies.
- Instructors were upbeat, interesting and kept the mood light and entertaining.
- Specific to local hazards.
- Instructor.
- Instructor's knowledge.
- Instructors.
- I appreciated the hands on science experiments.
- Real world examples.

Do you have any suggestions for improving this course?

- Spend more time going over NH3 meters.
- Amy was a little dry on env. Would have a walk through at NH3 facility. Excellent, more hands on local incidents and problems that related directly to us. Kudos!
- The subject(s) were a little bit of jumping around. Sometimes hard to follow.
- Modeling with ALOHA? Instrumentation limitations.
- None.
- None, one of the best courses on this subject that I have received to date.
- No.
- Walk through a plant.
- Abbreviated refrigeration systems presentation. Instruction was great but some material (and volume of material) went over my head.
- Shorten the refrigeration systems portion. Main point taken from that is to get with plant operators.
- Course was great and attention was kept.
- Find a way to make refer systems more interesting.
- No.
- Nope. Perfect for this audience.
- Let us handle some product and see source areas.
- Great learning! Good job.
- Excellent all around.
- Don't turn the lights off after lunch.
- More jokes.



AK Shield 2014 Hazmat Field Exercise

Evaluation Summary

Kodiak, Alaska
April 3, 2014



Thank you for participating in this Hazmat exercise. Your input is appreciated and will help us in planning for future exercises. Please complete the following:

Name (Optional): _____

Agency/Organization: _____

Position: _____

Exercise Role: ___ Player ___ Controller/Facilitator ___ Observer ___ Evaluator

Section I: Do you want to do this kind of Hazmat exercise again? If so, how would you make it different and/or better? (i.e., scenarios, types of chemicals, location, props)

- Absolutely – More vessel training, drill.
- Yes. Would love to do another hazmat exercise. Hard to say as this is my first hazmat exercise.
- Yes.
- Yes. I would leave pretty much the way it is, great practical exercise.
- Yes, keep up the same level of symposium topics and exercise components. Provide any new tricks of the trades.
- Yes, I would like to spend more time down range collecting samples.
- Yes – always good to suit up and test equipment and scenarios variety was very good, particularly the ship boarding.
- Was good round-robin exercise. Having teams of a mix of individuals from different agencies was good for learning to work together.
- We need to keep these exercises going. I think we need to stick to realistic scenarios based on history of real incidents.
- Great scenarios. Appreciated the knowledge by the State groups as well as iWorkWise.
- Yes. Maybe make sure all teams are able to finish all stations in sufficient time. Not cutting teams short on time.
- Yes, I would like to see a full-on realistic scenario with actors and props involving all teams concentrating on a single incident.
- Thank you for letting us be part of this.
- Yes, hands on was good. A second day of hands on would be good.
- Yes. Print controller items on rite-in-the-rain paper or have some info laminated.

- More real life scenarios like the F/V.
- Ship boarding was a cool last minute scenario. Definitely would love to do it again.
- Thanks to Kodiak for all the hard work/help.
- Yes. Stress it's a mobilization drill.
- Yes. I think railcars or cargo boxes would be great scenarios.
- Yes, do this again. Assign a single team (or two) to a static dress-out tent to keep from having to repack and move gear between each station; teams can report to station OC's.
- Absolutely – continue the current concept. Continue to utilize instate experience/expertise. I would like to see multiple entries to accomplish the task at station(s). Mass casualty decon and response.
- Yes – any variation of scenarios is always great. It provides for greater learning opportunities.
- It was a great exercise. I think it would be interesting to do an “incident” on a more difficult terrain.
- Yes. Radiation.
- Yes. Most life like is best. Review more of what tactics/testing that may be used in the drill (refresher).
- YES! Great format, different scenarios are great too. Chlorine tanks big and small, more gas scenarios – large and small (NH₃), propane, etc. Mobile emergencies.
- Yes. Medical hazmat – hospital facility, biohazard, bloodbourne path.
- Yes, absolutely – will ponder and talk to the team for suggestions for future training.
- Yes I'd do it again. The scenarios were very realistic. The lecture material was relevant and not too long or belabored. SCBA bottle refill was a little slow could be corrected by bringing more bottles with the teams.
- Yes. Good realism.
- Yes, thank you for all the hard work and effort. Next time it would be good to have some WMD scenarios. Railcars and possibly some product transfer, drilling, etc.
- Future training: Hazmat IQ class; Hazmat IQ com; HAZCAT; monitoring class; LSU class.
- Overall was a great exp. I would most def do this again.
- Yes, nothing different on scenarios of or types chemicals.
- Yes, short-duration exercises with multiple scenarios was a nice touch. More scenarios and more props.
- Yes I would like to do it again. I understand that Trident cannery was out of control of instructors, but that would have been great.
- Yes – good multidiscipline multi event training series. Tied in well with the symposium concept.
- Yes, this is my 1st big exercise with Hazmat. I thought it was great.
- Yes! This was an excellent learning experience, and I appreciated the variety of scenarios we were tasked with. Only suggestion would be better organization of suiting up areas – chairs and designated areas for each team.
- Yes – We had extra time (finished early) so build in time break time stations (~15 min), also consider giving each team (or 2 teams) a suit-up tent – not each station (so you can leave gear in one tent).

- Yes! Scenarios were great – good length for exercise with rest periods. Props were outstanding along with the boat exercise! Thank you for all the hard work.
- Of course! More classroom classes lead by the State teams. We have great talent among us.
- Yes, this is very important for the State of Alaska.
- Yes. Scenarios and props are good. Can we try and do rail cars, cargo trucks, and intermodals.

Section II: Please provide up to 3 High points and 3 Low points you observed in the exercise. Also include your recommendation to correct the Low points.

Highs:

- Ammonia (NH3) Training.
- Working with all the teams.
- Scene size up class.
- The team camaraderie was great.
- The hazmat scenarios were great.
- Boat exercise was really great, for short notice.
- Good practice of skills.
- Hands on to go with classroom instruction.
- Mixing of teams from areas.
- Great team work, communication, and intermixing of personnel with little issues.
- Good equipment.
- GREAT INSTRUCTORS!!!
- NH3 presentation / vessel release.
- Intermodal presentation / interaction with other agencies.
- Entire exercise.
- Team work between all the agencies.
- Ammonia entry on a real fishing vessel.
- Sample collecting with multiple types of substances.
- Helpful individuals working together.
- Opportunity to expand knowledge.
- Opportunity to use SCBA's – Level A variety.
- Good team work among agencies.
- Good realistic venues.
- Realistic training weather.
- It was very beneficial to participate with other team members.
- Very well organized.
- Great scenarios, awesome decon setup!
- Variety of scenarios.
- Working with different agencies.

- Ammonia training and hands on training.
- Boarding boat in Level A.
- Playing in Level A during rain. Learning fogging of mask and shield.
- Team work was great.
- Safety was always observed.
- Everyone did their jobs great.
- In-depth classroom.
- Teamwork between different teams.
- Great props.
- Great team interaction.
- Good having multiple sets.
- Multi-agency team. Good.
- Good Kodiak Decon trailer – excellent. Took only 3 people.
- Despite weather and many people working with one another for first time, teams did an excellent job. Only minor improvements. Typical rainy weather. Hopefully we will get better weather next time. Wx scared USCG away.
- Everybody liked Level A on the boat. Very good obstacle course. Great hands on for multi agencies.
- Teams worked really well together even though it was first time they worked together. Very impressive team work.
- Props good. Decon very impressive. F/V exercise was the best. A lot of team work on getting equipment set up and torn down. Great logistics by planning dept.
- Ship boarding was a great new experience.
- Great interoperability.
- Really nice to have more than 1 event.
- Multiagency.
- Class days prior to drill.
- Venue was great.
- Scenarios were fairly realistic.
- Having multiple stations to keep things moving.
- Meeting and interacting with folks from multiple agencies.
- Ship boarding.
- Everybody worked well together to accomplish a common goal.
- Once again, we've proved we can work together in a mixed up mess of taskings with any number of people from any team.
- Hosts (Kodiak) put on a great show. Additionally, logistics for getting everyone and everything on the Rock.
- Continue to utilize communications and logistics assets and people makes life extremely
- The fishing vessel.
- Decon trailer.
- Great movement of the exercise – everyone was safe.
- Good organization.

- Good safety.
- Great team work.
- Lots of organization and planning. We were asked to overcome last minute changes and problems because we had a good schedule.
- I liked mixing up the teams, made people focus on the basics and enforces cooperation.
- Great info from other presenters.
- Review on target hazards.
- Train with other depts., agencies.
- Excellent teamwork from all players.
- Great resources and logistics (food and drink).
- The Alaskan attitude! Work together for the common goal.
- Safety.
- Organization.
- Communication.
- Fishing vessel entry was outstanding.
- Working with other teams from around state.
- Sampling station is always good practice.
- Realistic Level A exercise.
- Good industry information (refrigeration and ammonia).
- Great interagency interaction.
- Interagency collaboration.
- Relevant learning objectives.
- Good shipboard work/travel.
- Ammonia training.
- Boat/vessel/prop/obstacle course.
- Drum overpack – next time more challenging set-up.
- Logistics were fantastic.
- Multiple scenarios with multiple stations – great for less standing around.
- Interagency teamwork.
- Coordination at equipment movement to ferry by Robert.
- Great serious approach to coordination by the coordinators.
- Great camaraderie.
- The ship.
- Ammonia instructor (Jason).
- Different units/departments working together.
- Good interagency ops.
- Terrific coordination and planning.
- Great concept for symposium.
- The ammonia training. Put a lot of things into perspective.
- Climbing on to the boat in Level A.
- Being down in Kodiak, such a unique experience all together.
- Variety in scenarios.

- Interagency cooperation.
- Suggestions/advice on improvement from observers and facilitators.
- Multiagency (really felt it in decon).
- The boat.
- Demob was fast.
- High cohesion between the teams.
- Great prop with the boat.
- Everyone was very safety conscious.
- Great props! Good exercise location!
- No one got hurt!!
- Teams working together.

Lows:

- Team members not bringing their own gear.
- Medical monitoring (missing).
- This was my first hazmat exercise so it is hard for me to pinpoint lows.
- Not all people arrived with appropriate equipment.
- Rotating dressing area.
- Lack of rehab area.
- The overseer in each group would periodically disappear, leaving my team for Level A entry to unzip and get out of suits again. Also I would like to see each hazmat team regionally have a location for their own gear. A lot of gear was moved around without the owner of the gear knowing of this.
- Teams left prior to clean up, would have been nice if all teams that participated assisted in cleaning up.
- Team members not knowing what gear was ok for anyone to grab and what was specific teams gear. Each regional team needs a known location for their gear and a location for common gear that is ok for all to use.
- No communication work. I believe training for communications would be great. There was a lot of confusion as to what communications were wanted and unwanted during the drill.
- Rapid demob with loss of equipment – possibly assigning location or central area for all gear to return to.
- Addressing comms prior to exercise on what IC would like to have communicated.
- After vessel scenario a walk around of vessel system for future recognition.
- I would like to spend a little more time with HAZCAT.
- Don't start taking down everything till all training is done.
- I would like to see more scenarios.
- I had a faulty respirator, but good to find out in an exercise instead of a response.
- Cannot think of any other negatives.
- Would like to have seen more use of instruments and calling back to entry leader.
- The quick demob caused a rushed last station.

- HAZCAT was cut short due to demob.
- Weather.
- A small amount of confusion in the beginning.
- The weather wasn't the greatest.
- Equipment.
- Hard to bring enough people.
- Not trash bags.
- Hot drink station needed.
- Techs to assist the Level A teams (more).
- Nicer weather.
- Masks fogged up really bad on entry team. Teams need light for engine room. Teams passed light from team to team to resolve problem.
- Seats for entry team would help.
- Long waiting period for bottle refill. This could be improved but it did work.
- Dress-out tents were crowded, and uncoordinated. Controllers should move but participants stay in their own tents.
- Sampling needs more help. Not enough time/supplies allotted for prep or rehearsals.
- Wet/cold.
- Units not prepared.
- Potentially have more information for the entry members in the mobile lab set up.
- Weather (DUH!)
- More hands on deck would be nice; outside help/coordination sampling tactics, techniques, and procedures. Block of instruction during classroom on the FBI 12-step process would be greatly beneficial.
- More hands on during sampling protocols to familiarize with equipment and ability to properly sample a room.
- If we are going to have an IC, or control to monitor radios, maybe break it up per station because there was a lot of radio stepping and no response from control.
- We need to progress with our control and command of the exercise. IC detail and dispatch entry teams, control assignments, site access and control and essentially utilize ICS/IMS. I think that is the "next" big evolutionary step.
- Weather.
- Weather. Weather. Weather.
- Weather (but realistic).
- If real life crews would do things a little bit carefully.
- Long start, each team/teams need to police up their people to collect/get their needs/supplies ready (not rely on host dept).
- Team tents, not station tents, so your gear is in one spot the whole drill. (groups).
- Team tents designated for teams all day.
- Better weather?
- More trash cans on site.
- Weather was good – train as you respond, but additional heaters would be great.

- Push-to-talk (big button) mics/comms are needed for Level A training and response.
- SCBA bottle refill slow.
- Weather on exercise day and covered rehab areas unclear.
- Long downtimes during exercise.
- Wx. Extend aerial to make tarp covered area.
- Lack of rehab.
- Personal lighting equipment. Corrected by obtaining personal headlamp in future.
- Chem lab – a more elaborate set up will help.
- Shelters – heat and floors will help.
- No trash cans.
- Rain!
- Improve VHF comms with bone conduction ear mics in the Level A suits – grant \$. Or wireless to SCBA masks.
- Tent heaters would have helped.
- Sampling could be more entailed.
- More efficient control of teams.
- Changing comms each time.
- Overall C&C of all teams.
- Weather.
- Not being able to do the chem lab and drums (was doing decon).
- Difficult conditions for suiting up.
- I missed ½ of HAZCAT because station #1 ran late.
- It felt like several individual exercises – not one coordinated one.
- Moving techs from tent to tent for dress out.
- Lack of rehab for techs.

Thanks for your input.