

ADEC Response Exercise Program Improvements Process Survey Results Report

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Prepared for

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ABBREVIATIONS

ADEC Alaska Department of Environmental Conservation

HSEEP Homeland Security Exercise Evaluation Program

PRAC Primary Response Action Contractor

StDev Standard Deviation

1.0 Survey Purpose and Overview

The Alaska Department of Environmental Conservation is working on improvements to its Response Exercise Program. The goal of the effort is to improve the program to better serve the needs of regulators, regulated operators, spill response organizations, and other stakeholders, while maintaining or improving the state of oil spill response readiness with the State of Alaska.

In accordance with the Stakeholder Involvement Work Plan submitted to the Alaska Department of Environmental Conservation (ADEC) in October 2016, an internet-based survey tool was used to assess stakeholder satisfaction with various components of ADEC's current Response Exercise Program and to gauge stakeholder acceptance on several ideas to improve ADEC's Response Exercise Program. During the registration period, stakeholders were presented a series of statements and asked to agree or disagree with them on a 10-point Likert scale for the purpose of identifying areas of consensus and disagreement. Results were used to identify issues that would be presented in the visioning process to gather additional stakeholder input. This report presents the results of the online survey and a simple analysis of the implications of those results.

2.0 Survey Methodology

The survey was posted online using Google Forms and open to registrants from November 2nd to November 22nd. Stakeholders were asked to identify themselves as a member of one of the following stakeholder groups:

- Crude Oil Facilities Exploration
- Crude Oil Facilities Production
- Crude Oil Facilities Pipelines
- Crude Oil Facilities Refineries
- Crude Oil Facilities Terminals
- Crude Oil Facilities Tank Vessels
- Refined Product Facilities Tank Farms
- Refined Product Facilities Pipelines
- Refined Product Facilities Nontank Vessels

- Refined Product Facilities Tank Vessels
- Refined Product Facilities Barges
- Refined Product Facilities Railroad
- Primary Response Action Contractors
- State and Federal Government
- Tribal Entities
- Communities and Local Government
- Non-Governmental Organization
- Other Potentially Impacted Stakeholder

The following list of statements was included in the survey:

- 1. The role of ADEC staff during exercises is clear and is helpful to our exercise experience.
- 2. Participation in response exercises represents a good value (in terms of time and money) for my organization.
- 3. The ADEC Response Exercise Program helps improve my organization's ability to respond to an oil spill.
- 4. ADEC's current process for planning exercises is effective.

- 5. ADEC should develop a guidance document to assist operators in understanding the purpose, expectations, and requirements of the State Response Exercise Program.
- 6. The purpose of a drill or exercise is to practice, learn, and develop partnerships in advance of an actual oil spill response.
- 7. The purpose of a drill or exercise is to test the response readiness of a response team.
- 8. Learning is not failure. An exercise that uncovers deficiencies can still be a success.
- 9. Many of the exercises that I have attended are too scripted and practiced to be useful for assessing preparedness.
- 10. Unannounced exercises are useful for testing response readiness and should be utilized more often.
- 11. In my experience, some exercise objectives are over exercised and some are not exercised enough.
- 12. A risk based approach should be used to determine exercise requirements.
- 13. A multi-year exercise scheduling tool should be used to plan exercises.
- 14. Information about other organizations' exercises is readily available to me.
- 15. An easily accessible statewide anonymous database of exercise objectives and lessons learned would be a useful tool.
- 16. A program should be developed to exercise Primary Response Action Contractors (PRACs), separately from Regulated Operators, for implementing response tactics. This would reduce the redundancy inherent in the current system.
- 17. Please rate your familiarity with Homeland Security Exercise Evaluation Program (HSEEP).
- 18. I think HSEEP has elements that would improve ADEC's Response Exercise Program.

See Appendix A for a copy of the survey form. Due to the lack of familiarity with HSEEP as demonstrated in the responses to survey statement 17, survey statement 18 was not analyzed.

3.0 Description of Participants

Registrants were broken down into the following stakeholder groups and further into sub-groups. To simplify the analysis, crude and refined oil facility stakeholder groups were addressed collectively. The Tribal, Community and Local Government, Non-governmental Organizations and Other stakeholders were grouped together as well. Table 1 shows the stakeholder groupings and the number of respondents in each.

Table 1. Stakeholder Groupings and Number of Responses for Each.

| Stakeholder Group | Stakeholder Sub-Group | # of Responses |
|-------------------------|--|-------------------|
| | Crude Oil Facilities - Exploration | 1 |
| | Crude Oil Facilities - Pipelines | 3 |
| Omida Oil Organitions | Crude Oil Facilities - Production | 10 |
| Crude Oil Operations | Crude Oil Facilities - Refineries | 1 |
| | Crude Oil Facilities - Tank Vessels | 2 |
| | Crude Oil Facilities - Terminals | 2 |
| Primary Response Action | | |
| Contractors | Primary Response Action Contractors | 11 |
| | Refined Product Facilities - Nontank Vessels | 1 |
| Refined Product | Refined Product Facilities - Tank Barges | 4 |
| Operations | Refined Product Facilities - Tank Farms | 9 |
| | Refined Product Facilities - Tank Vessels | 5 |
| State and Federal | | |
| Government | State and Federal Government | 28 |
| | Tribal Entities | 1 |
| Others | Communities and Local Government | 3 |
| Others | Non-Governmental Organization | 6 |
| | Other Potentially Impacted Stakeholder | 8 |

A total of 95 stakeholders registered and completed the online survey. One participant was removed due to anonymous registration details being provided. One company submitted six surveys with identical responses to every question; five of these surveys were omitted from further analysis. Table 2 presents the organizations and number of individuals registered in each of the stakeholder groups.

Table 2. Organizations and Number of Individuals Registered in Each Stakeholder Group.

| Alaska Tanker Company, LLC Alaska Pipeline Service Co. Eni petroleum Armstrong Energy, LLC BlueCrest Alaska Operating LLC BlueCrest Alaska Brooks Range Petroleum Petro Star, Inc. Caelus Energy Alaska Polar Tankers/ConocoPhillips Refined Product Facilities (18 Registrants Total) Alaska Village Electric Cooperative Matanuska Electric Association NAFCO Crowley Fuels Offshore Systems, Inc. Delta Western, Inc. Petro Marine Services Island Tug and Barge Ltd. Ruby Marine Kanaga Environmental Consulting St. Paul Fuel, LLC Kirby Offshore Marine, LLC Vitus Energy Primary Response Action Contractors (7 Registrants Total) Alaska Clean Seas Southeast Alaska Petroleum Response Organization Alyeska Pipeline Service Company State of Alaska and Federal Government (28 Registrants Total) Alaska Department of Environmental Conservation National Marine Fisheries Service Alaska Department of Environmental Conservation National Marine Fisheries Service U.S. Environmental Protection Agency – Region 10 U.S. Bureau of Land Management U.S. Fish and Wildlife Service U.S. Fish and Wildlife Service Ovel Registrants Total) Alaska Steamship Response Oil Spill Recovery Institute Other Stakeholders (21 Registrants Total) Arctic Regulatory Compliance & Technical Oilfield Prince William Sound Regional Citizens' Advisory | Table 2. Organizations and Number of Individuals Registered in Each Stakeholder Group. | | | | | | | |
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| | | | | | | | | |
| | | | | | | | | |
| Services, LLC Council | | • | | | | | | |
| City of Adak Pearson Consulting, LLC | | | | | | | | |
| City of Saint Paul SLR | | | | | | | | |
| Cook Inlet Regional Citizens' Advisory Council The Response Group | | | | | | | | |
| Emergency Management Consultants Trident Seafoods | | | | | | | | |
| North Slope Borough Witt/O'Brien's | | | | | | | | |

4.0 Survey Results

This section provides an overview of responses to the survey questions. The 25th percentile, median (50th percentile), 75th percentile, and standard deviation (to indicate the variability in responses) were calculated for each. Figure 1 shows a quartile plot of responses for each statement. Also called a box and whisker plot, a quartile plot divides the data distribution into quarters. The bottom of the whisker (vertical line) is set at the minimum value and the top indicates the maximum value. The bottom of the box represents the 25th percentile of the data, meaning that 25% of the values in the data are less than this number. The line in the middle of the box is the 50th percentile and the top of the box is the 75th percentile.

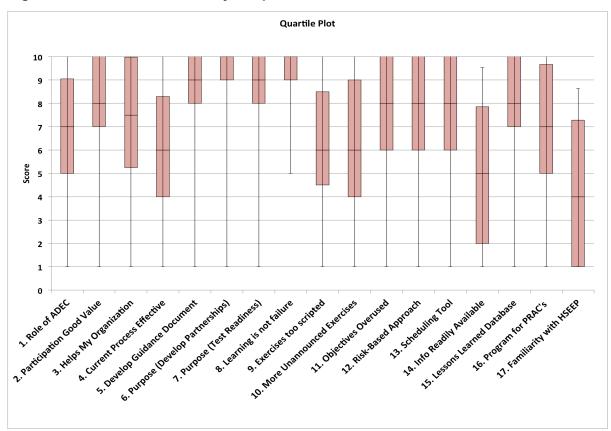


Figure 1. Quartile Plot of Survey Responses.

Figure 2 summarizes the responses for each survey statement by stakeholder group. For each statement in the survey, each stakeholder group response was assessed for agreement or disagreement with the statement.

Figure 2. Analysis of Stakeholder Group Responses.

| | ne role of ADEC staff during exercises is clear a | Median | StDev | Disagree | Neutral | Agree |
|-------------------------------|---|--------|-------|----------|---------|--------|
| | Frequency Distribution | Wedian | StDev | (1-4) | (5-6) | (7-10) |
| All | 30% 20% 10% 0% | 7 | 2.0 | 16% | 22% | 62% |
| | 40% | | | | | |
| Crude Oil | 20% | 6.5 | 2.1 | 31% | 19% | 50% |
| | 0% | | | | | |
| | 40% | | | | | |
| Refined Products | 20% | 7 | 2.3 | 11% | 37% | 53% |
| | 0% | _ | | | | |
| | 40% | | | | | |
| PRAC | 20% | 5 | 2.6 | 43% | 14% | 43% |
| | 0% | | | | | |
| | 60% | | | | | |
| State and Federal Govt. | 40% | 8 | 1.8 | 14% | 11% | 75% |
| GUVI. | 20% | | | | | |
| Other | 40% | | | | | |
| | 30% | | | | | |
| | 10% | 8 | 1.6 | 5% | 29% | 67% |
| | 0% | | | | | |
| | 1 2 3 4 5 6 7 8 9 10 | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses

| 2. Pa | continued). Analysis of Stakeholder Group rticipation in response exercises represents a go | | | ns of time | and mon | ey) for |
|-------------------------------|---|--------|-------|-------------------|------------------|--------------|
| m | rorganization. Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree (7-10) |
| All | 20% | 8 | 2.1 | 5% | 16% | 78% |
| | 0% | | | | | |
| | 30% | | | | | |
| Crude Oil | 10% | 7.5 | 2.4 | 6% | 31% | 63% |
| | 0% | | | | | |
| | 40% | | | | | |
| Refined Products | 20% | 7 | 1.9 | 5% | 11% | 84% |
| | 0% | | | | | |
| | 60% | | | | | |
| PRAC | 20% | 9 | 1.8 | 0% | 14% | 86% |
| | 0% | | | | | |
| | 40% | | | | | |
| State and Federal Govt. | 20% | 9 | 2.4 | 11% | 4% | 86% |
| | 0% | | | | | |
| Other | 30% | | | | | |
| | 20% | | 1.0 | 00/ | 2007 | 710/ |
| | 10% | 8 | 1.8 | 0% | 29% | 71% |
| | 1 2 3 4 5 6 7 8 9 10 | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| | an oil spill. Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree (7-10) |
|-------------------------------|--|--------|-------|-------------------|------------------|--------------|
| All | 20% 10% 0% | 7.5 | 2.5 | 18% | 16% | 67% |
| Crude Oil | 30% 20% 10% | 6 | 2.9 | 47% | 7% | 47% |
| | 0% | | | | | |
| Refined Products | 30% 20% 10% 0% | 7 | 2.4 | 16% | 11% | 74% |
| PRAC | 20% | 5 | 3.3 | 43% | 14% | 43% |
| State and Federal Govt. | 20% | 8.5 | 2.0 | 7% | 11% | 82% |
| Other | 40% 30% 20% 10% 1 2 3 4 5 6 7 8 9 10 | 8 | 1.9 | 5% | 33% | 62% |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| | | effective. Median | StDev | Disagree | Neutral | Agree |
|------------------------|-------------------------|--------------------|-------|-------------|--|--------|
| | Frequency Distribution | Wedian | StDev | (1-4) | (5-6) | (7-10) |
| All | 30% 20% 10% 0% | 6 | 2.3 | 26% | 34% | 40% |
| | 30% | | | | | |
| Crude Oil | 20% | 5 | 2.3 | 44% | 31% | 25% |
| | 10% | | | | | |
| | 0% | | | | 4) (5-6) 26% 34% 44% 31% 16% 47% 29% 29% | |
| | 40% | | 2.5 | 16% | 47% | |
| Refined Products | 20% | 5 | | | | 37% |
| | 0% | | | | | |
| | 40% | | | | | |
| PRAC | 20% | 6 | 2.3 | 29% | 29% | 43% |
| PRAC State and Federal | 0% | | | | | |
| | 30% | | | | | |
| State and | 20% | | | | | |
| Federal Govt. | 10% | 6 | 2.1 | 18% | 36% | 46% |
| | 0% | | | | | |
| Other | 30% | | | | | |
| | 20% | | | | | |
| | 10% | 6 | 6 2.4 | 2.4 33% 24% | 24% | 43% |
| | 1 2 3 4 5 6 7 8 9 10 | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

5. ADEC should develop a guidance document to assist operators in understanding the purpose, expectations, and requirements of the ADEC Response Exercise Program. Disagree Neutral Agree **Frequency Distribution** Median StDev (1-4) (5-6) (7-10) 60% 40% ΑII 9 2.6 9% 7% 84%20% 0% 60% 40% Crude Oil 8 2.9 73% 13% 13% 20% 0% 60% 40% Refined 9 2.5 5% 16% 79% **Products** 20% 0% 60% 40% **PRAC** 8 3.7 29% 0% 71% 20% 0% 60% 40% State and Federal 10 7% 0% 93% 2.4 Govt. 20% 0% 80% 60% 40% 90% Other 10 1.8 5% 5% 20% 0% 1 5 7 8 3 6

Figure 2 (continued). Analysis of Stakeholder Group Responses.

The purpose of a drill or exercise is to practice, learn, and develop partnerships in advance of an actual oil spill response. Disagree Neutral Agree **Frequency Distribution** Median StDev (1-4) (5-6) (7-10) 100% ΑII 10 1.7 2% 7% 91% 50% 0% 100% Crude Oil 10 0% 13% 88% 50% 1.6 0% 100% Refined 10 0% 11% 89% 50% 1.6 **Products** 0% 100% 100 **PRAC** 10 1.1 0% 0% 50% % 0% 60% 40% State and 93% Federal 9.5 2.0 7% 0% Govt. 20% 0% 80% 60% 40% Other 10 0% 10% 90% 1.5 20% 0% 1 2 3 5 7 8 9 10 6

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| | | | | Disagree | Neutral | Agree |
|------------------|-------------------------|--------|-------|----------|---|--------|
| | Frequency Distribution | Median | StDev | (1-4) | (5-6) | (7-10) |
| All | 60% 40% 20% 0% | 9 | 2.4 | 9% | 7% | 85% |
| | 60% | | | | | |
| | 40% | 0 | 2.0 | 120/ | 607 | 010/ |
| Crude Oil | 20% | 9 | 2.8 | 13% | 6% | 81% |
| | 0% | | | | 10 (5-6) 10% 7% 13% 6% 15% 15% 15% 15% 15% 15% 15% 15% 15% 15 | |
| | 60% | | | | | |
| Refined | 40% | 10 | 3.2 | 160/ | 50/ | 79% |
| Products | 20% | 10 | 3.2 | 10/0 | 370 | 19/0 |
| | 0% | | | | | |
| | 40% | | | | | |
| PRAC | 20% | 6 | 1.7 | 14% | 43% | 43% |
| | 0% | | | | | |
| | 60% | | | | | |
| State and | 40% | | 2.1 | 70/ | 407 | 000/ |
| Federal Govt. | 20% | 9 | 2.1 | 7% | 4% | 89% |
| | 0% | | | | | |
| Other | 50% | | | | | |
| | 40% | | | | | |
| | 30% | 0 | 0.0 | 00/ | 00/ | 1000/ |
| Other | 20% | 9 | 0.9 | U% | U% | 100% |
| | 10% | | | | | |
| | 1 2 3 4 5 6 7 8 9 10 | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| 8. Le | | e. An exercise that uncovers deficiencies can still be a success. Median StDev Disagree Neutral Agree (5.6) | | | | | | | |
|-------------------------------|------------------------|--|-------|-------|-------|--------|--|--|--|
| | Frequency Distribution | Median | StDev | (1-4) | (5-6) | (7-10) | | | |
| All | 100% 50% 0% | 10 | 1.0 | 0% | 2% | 98% | | | |
| | 60% | | | | | | | | |
| Crude Oil | 40% | 10 | 1.4 | 0% | 6% | 94% | | | |
| Grade Gil | 20% | 10 | 1.7 | 070 | 070 | 74/0 | | | |
| | 0% | | | | | | | | |
| | 100% | | | | | | | | |
| Refined Products | 50% | 10 | 1.2 | 0% | 5% | 95% | | | |
| | 0% | | | | | | | | |
| | 100% | | | | | | | | |
| PRAC | 50% | 10 | 0.8 | 0% | 0% | 100% | | | |
| | 0% | | | | | | | | |
| | 100% | | | | | | | | |
| State and Federal Govt. | 50% | 10 | 0.8 | 0% | 0% | 100% | | | |
| | 0% | | | | | | | | |
| Other | 80% | | | | | | | | |
| | 60% | | | | | | | | |
| | 40% | 10 | 0.7 | 0% | 0% | 100% | | | |
| | 20% | 10 | 0.7 | 0/0 | | 10070 | | | |
| | 0% | | | | | | | | |
| | 1 2 3 4 5 6 7 8 9 10 | | | | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses

| 9. M | (continued). Analysis of Stakeholder Group any of the drills and exercises that I have atter eful for assessing preparedness. | | | pted and | practice | d to be |
|-------------------------------|---|--------|-------|-------------------|------------------|-----------------|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree (7-10) |
| All | 20% 10% 0% | 6 | 2.5 | 25% | 26% | 48% |
| Crude Oil | 30% 20% 10% 0% | 4 | 2.4 | 63% | 19% | 19% |
| Refined Products | 20% | 6 | 2.1 | 16% | 53% | 32% |
| PRAC | 20% | 7 | 3.3 | 29% | 0% | 71% |
| State and Federal Govt. | 30% 20% 10% 0% | 7 | 2.1 | 11% | 29% | 61% |
| Other | 25% 20% 15% 10% 5% 0% 1 2 3 4 5 6 7 8 9 10 | 7 | 2.5 | 24% | 14% | 62% |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| Figure 2 (continued). Analysis of Stakeholder Group Responses. 10. Unannounced exercises are useful for testing response readiness and should be utilized more often. State Property Disagree Neutral Agree Neutral Agree Neutral Agree Neutral Agree Neutral Agree Neutral Neutra | | | | | | | |
|--|--|--------|-------|-------------------|------------------|-----------------|--|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree (7-10) | |
| All | 30% 20% 10% 0% | 6 | 3.0 | 32% | 21% | 47% | |
| Crude Oil | 20% | 3 | 2.0 | 75% | 19% | 6% | |
| Refined Products | 60% 40% 20% 0% | 5 | 2.7 | 26% | 53% | 21% | |
| PRAC | 20% | 5 | 3.4 | 43% | 29% | 29% | |
| State and Federal Govt. | 60% 40% 20% 0% | 9 | 2.2 | 11% | 4% | 86% | |
| Other | 25% 20% 15% 10% 5% 0% 1 2 3 4 5 6 7 8 9 10 | 7 | 2.8 | 29% | 14% | 57% | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| Figure 2 (continued). Analysis of Stakeholder Group Responses. 11. In my experience, some exercise objectives are over exercised and some are not exercised enough. | | | | | | | | | | |
|--|--|--------|-------|-------------------|------------------|-----------------|--|--|--|--|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree (7-10) | | | | |
| All | 30% 20% 10% 0% | 8 | 2.2 | 4% | 27% | 68% | | | | |
| Crude Oil | 60% 40% 20% 0% | 5 | 2.2 | 19% | 56% | 25% | | | | |
| Refined Products | 30% 20% 10% 0% | 8 | 1.8 | 0% | 26% | 74% | | | | |
| PRAC | 20% | 7 | 3.0 | 14% | 29% | 57% | | | | |
| State and Federal Govt. | 30% 20% 10% | 8 | 1.6 | 0% | 21% | 79% | | | | |
| Other | 40% 30% 20% 10% 0% 1 2 3 4 5 6 7 8 9 10 | 9 | 1.7 | 0% | 14% | 86% | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| 12. A | 12. A risk based approach should be used to determine exercise requirements. Frequency Distribution Median StDev Disagree Neutral (5.0) | | | | | | | | | |
|-------------------------------|---|--------|-------|-------|-------|-----------------|--|--|--|--|
| | Frequency Distribution | Median | StDev | (1-4) | (5-6) | Agree (7-10) | | | | |
| All | 30% 20% 10% 0% | 8 | 2.2 | 7% | 25% | 68% | | | | |
| Crude Oil | 30% 20% 10% 0% | 8 | 2.7 | 13% | 31% | 56% | | | | |
| Refined Products | 20% | 9 | 1.7 | 0% | 16% | 84% | | | | |
| PRAC | 20% | 7 | 1.5 | 0% | 29% | 71% | | | | |
| State and Federal Govt. | 30% 20% 10% 0% | 8 | 2.0 | 4% | 25% | 71% | | | | |
| Other | 25% 20% 15% 10% 5% 0% 1 2 3 4 5 6 7 8 9 10 | 7 | 2.4 | 14% | 29% | 57% | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| 13. A | ure 2 (continued). Analysis of Stakeholder Group Responses. 13. A multi-year exercise scheduling tool should be used to plan exercises. Frequency Distribution Median StDoy Disagree Neutral Agr | | | | | | | | | | |
|-------------------------------|--|--------|-------|-------------------|------------------|-----------------|--|--|--|--|--|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree(7-10) | | | | | |
| All | 30% 20% 10% 0% | 8 | 2.4 | 10% | 20% | 70% | | | | | |
| Crude Oil | 20% 10% 0% | 7 | 2.7 | 19% | 25% | 56% | | | | | |
| Refined Products | 30% 20% 10% 0% | 8 | 2.8 | 11% | 21% | 68% | | | | | |
| PRAC | 20% | 8 | 2.8 | 14% | 0% | 86% | | | | | |
| State and Federal Govt. | 20% | 8 | 2.1 | 7% | 18% | 75% | | | | | |
| Other | 40% 30% 20% 10% 0% 1 2 3 4 5 6 7 8 9 10 | 8 | 2.0 | 5% | 24% | 71% | | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| | 14. Information about other organizations' exercises is readily available to me. | | | | | | | | | |
|-------------------------------|--|--------|-------|-------------------|------------------|-----------------|--|--|--|--|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree(7-10) | | | | |
| All | 30% 20% 10% 0% | 5 | 2.9 | 49% | 21% | 30% | | | | |
| Crude Oil | 20% 10% 0% | 5 | 2.8 | 44% | 31% | 25% | | | | |
| Refined Products | 30% 20% 10% 0% | 4 | 2.8 | 53% | 26% | 21% | | | | |
| PRAC | 20% | 5 | 2.9 | 43% | 14% | 43% | | | | |
| State and Federal Govt. | 20% | 6 | 2.4 | 32% | 29% | 39% | | | | |
| Other | 50% 40% 30% 20% 10% 0% 1 2 3 4 5 6 7 8 9 10 | 2 | 3.1 | 76% | 0% | 24% | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses

| Figure 2 (continued). Analysis of Stakeholder Group Responses. 15. An easily accessible statewide anonymous database of exercise lessons learned would be a | | | | | | | | | | |
|--|--|------------|-----------|-------------------|------------------|-----------------|--|--|--|--|
| 15. Ai | i easily accessible statewide anonymous databa eful tool. | ise of exe | rcise les | ssons lear | ned woul | ld be a | | | | |
| 223 | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree(7-10) | | | | |
| All | 30% 20% 10% 0% | 8 | 2.6 | 12% | 11% | 77% | | | | |
| Crude Oil | 30% 20% 10% 0% | 6.5 | 3.0 | 25% | 25% | 50% | | | | |
| Refined Products | 20% | 9 | 2.6 | 11% | 11% | 79% | | | | |
| PRAC | 20% | 6 | 3.2 | 43% | 14% | 43% | | | | |
| State and Federal Govt. | 30% 20% 10% 0% | 8.5 | 2.1 | 7% | 4% | 89% | | | | |
| Other | 40% 30% 20% 10% 1 2 3 4 5 6 7 8 9 10 | 9 | 1.4 | 0% | 10% | 90% | | | | |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

16. A program should be developed to exercise Primary Response Action Contractors (PRACS), separately from Regulated Operators, for implementing response tactics. This would reduce the redundancy inherent in the current system.

| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree(7-10) |
|-------------------------------|--|--------|-------|-------------------|------------------|-----------------|
| All | 20% 10% 0% | 7 | 2.7 | 20% | 26% | 54% |
| Crude Oil | 30% 20% 10% 0% | 5 | 2.9 | 44% | 31% | 25% |
| Refined Products | 20% | 8 | 3.1 | 16% | 16% | 68% |
| PRAC | 20% | 5 | 3.2 | 43% | 14% | 43% |
| State and Federal Govt. | 30% 20% 10% 0% | 6.5 | 2.0 | 11% | 39% | 50% |
| Other | 40% 30% 20% 10% 0% 1 2 3 4 5 6 7 8 9 10 | 8 | 2.1 | 10% | 19% | 71% |

Figure 2 (continued). Analysis of Stakeholder Group Responses.

| 17. Please rate your familiarity with Homeland Security Exercise Evaluation Program (HSEEP). | | | | | | | | | | |
|--|--|--------|-------|-------------------|------------------|-----------------|--|--|--|--|
| | Frequency Distribution | Median | StDev | Disagree (1-4) | Neutral (5-6) | Agree(7-10) | | | | |
| All | 20% | 4 | 3.3 | 51% | 15% | 34% | | | | |
| Crude Oil | 20% | 5 | 3.8 | 44% | 13% | 44% | | | | |
| Refined Products | 60% 40% 20% 0% | 2 | 2.9 | 68% | 16% | 16% | | | | |
| PRAC | 20% | 3 | 3.0 | 71% | 0% | 29% | | | | |
| State and Federal Govt. | 20% | 3.5 | 3.4 | 61% | 7% | 32% | | | | |
| Other | 40% 30% 20% 10% 1 2 3 4 5 6 7 8 9 10 | 5 | 2.7 | 19% | 33% | 48% | | | | |

5.0 Interpretation of Results

5.1 Very High Agreement

The following four statements received responses across all stakeholder categories with a median of 9 or greater indicating very high overall agreement with the statement:

- #5 ADEC should develop a guidance document to assist operators in understanding the purpose, expectations, and requirements of the State Response Exercise Program.
- #6 The purpose of a drill or exercise is to practice, learn, and develop partnerships in advance of an actual oil spill response.
- #7 The purpose of a drill or exercise is to test the response readiness of a response team.
- #8 Learning is not failure. An exercise that uncovers deficiencies can still be a success.

There was very little disagreement with the ideas expressed in statements #5, #6, and #8. Statement #7 did receive some disagreement from the PRAC respondents; only 43% agreed with the statement that the purpose of a drill or exercise is to test response readiness.

5.2 General Agreement

The following eight statements received responses across all stakeholder categories with a median of 7 or 8 indicating general overall agreement with the statement:

- #1 The role of ADEC staff during exercises is clear and is helpful to our exercise experience.
- #2 Participation in response exercises represents a good value (in terms of time and money) for my organization.
- #3 The ADEC Response Exercise Program helps improve my organization's ability to respond to an oil spill.
- #11 In my experience, some exercise objectives are over exercised and some are not exercised enough.
- #12 A risk based approach should be used to determine exercise requirements.
- #13 A multi-year exercise scheduling tool should be used to plan exercises.
- #15 An easily accessible statewide anonymous database of exercise objectives and lessons learned would be a useful tool.
- #16A program should be developed to exercise Primary Response Action Contractors (PRACs), separately from Regulated Operators, for implementing response tactics. This would reduce the redundancy inherent in the current system.

Statement #2 received very little disagreement overall (5%) indicating that everyone found value in response exercises.

Statements #11 and #12 received some neutral responses, but few disagreements. Statement #11 received 27% neutral responses but only 4% disagreed, indicating that most agreed that some objectives were over exercised. Likewise, statement #12 received 25% neutral responses but only 7% disagreed, indicating that general support of a risk based approach.

Statements #1, #3, #13, #15, and #16 did have significant disagreement from at least one stakeholder group.

- Regarding statement #1, 31% and 43% of the Crude Oil and PRAC respondents disagreed with the statement, indicating that they did not find ADEC's role clear and useful.
- Regarding statement #3, 47% and 43% of the Crude Oil and PRAC respondents disagreed with statement #3, indicating that they did not find ADEC program improved their ability to respond to a spill.
- Regarding statement #13, 19%, 11%, and 14% of the Crude Oil, Refined Products, and PRAC respondents disagreed with the statement indicating that they did not support a multi-year exercise tool.
- Regarding statement #15, 25%, 11%, and 43% of the Crude Oil, Refined Products, and PRAC respondents disagreed with the statement, indicating that they did not support database of lessons learned.
- Regarding statement #16, 44%, 16%, and 43% of the Crude Oil, Refined Products, and PRAC respondents disagreed with the statement, indicating that they did not support a program to exercise PRACs separately from regulated operators.

5.3 Neutral with Mixed Responses

The following five statements received responses across all stakeholder categories with a median of 5 or 6 indicating a neutral response to the statement:

- #4 ADEC's current process for planning exercises is effective.
- #9 Many of the exercises that I have attended are too scripted and practiced to be useful for assessing preparedness.
- #10 Unannounced exercises are useful for testing response readiness and should be utilized more often.
- #14 An easily accessible statewide anonymous database of exercise objectives and lessons learned would be a useful tool.
- #17 Please rate your familiarity with Homeland Security Exercise Evaluation Program (HSEEP).

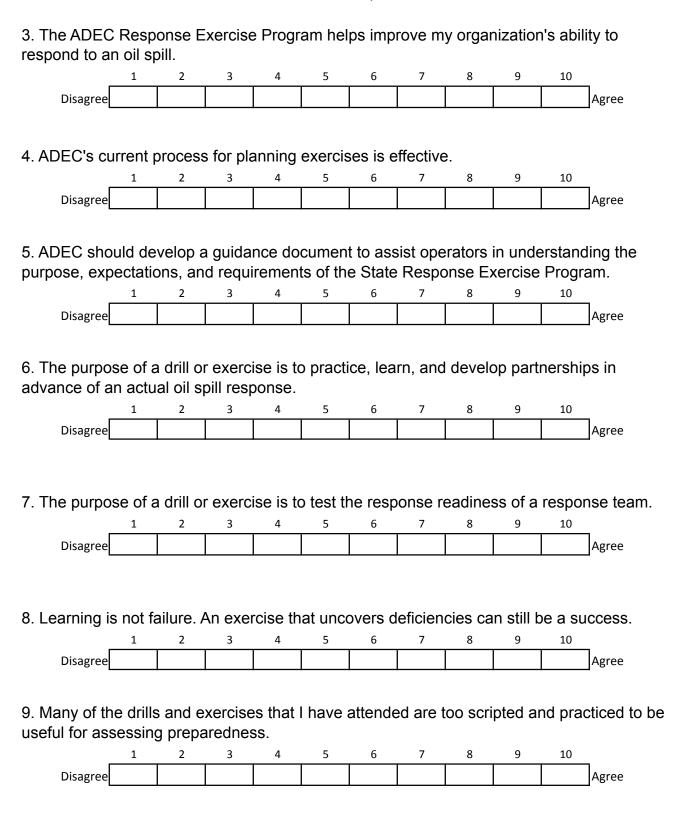
Each of these statements received a very broad set of responses from all stakeholder groups, indicating that work is necessary to reach alignment among the stakeholder groups.

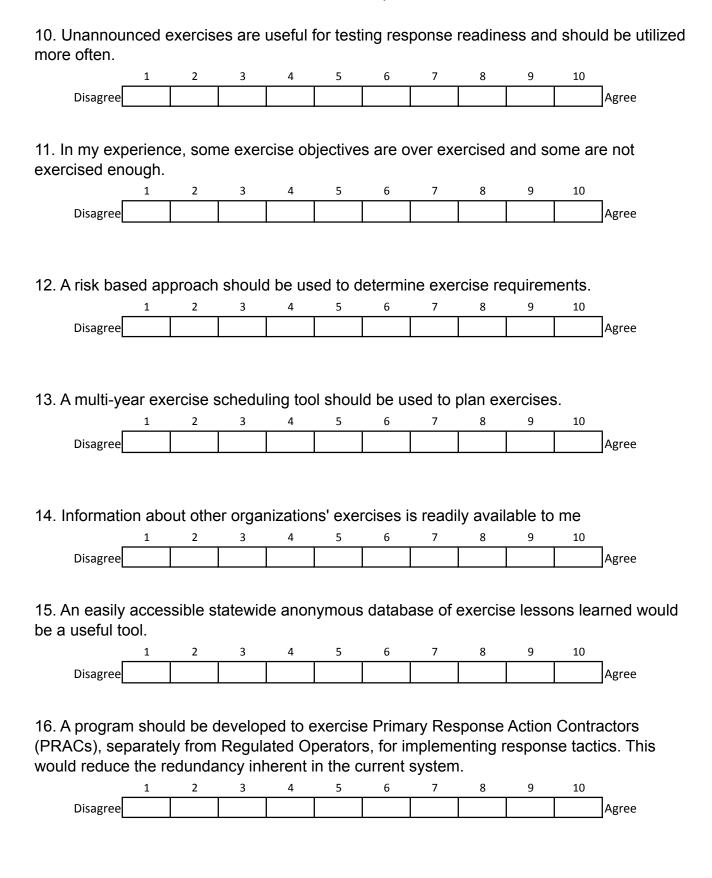
6.0 Conclusion

In some statements used for the survey there is a great deal of alignment in stakeholder opinion. In other areas there is a wide variety of opinion. The results of this survey should assist ADEC with understanding the views of the response exercise stakeholders on a variety of related topics and will be useful for designing a visioning session and implementing changes to their response exercise program.

Appendix A – Survey Form

| Name: | | | | | | | | | | | |
|-----------------------------|-----------|---------|---------|---|---|--|---|--|------------------------|--------|-------------|
| Organizati | on: | | | | | | | | | | |
| Phone Nu | mber: | | | | | | | | | | |
| Email Add | ress: | | | | | | | | | | |
| Please ide | ntify you | rself w | th one | of the | primary | / stake | holder | groups | . (choo | se onl | y one) |
| | | | | Crude Crefine Crefine Crefine Crude | Oil Facil Oil Facil Oil Facil Oil Facil Oil Facil d Produ d Produ d Produ d Produ d Produ d Produ y Respo nd Fed Entities overnm Potentia | ities - P ities - P ities - R ities - T ities - T ct Facili ct Facili ct Facili ct Facili ct Facili ct Facili anse Act eral Go and Loc | roduction ipelinesserminal ank Vesties - Taties - Raties | on s s sels ank Farr pelines on-tank ank Ves ank Barg ailroad atractor ent rnment | vessels sels ges | S | |
| For each of check one | | owing s | stateme | ents ind | dicate y | our lev | el of a | greeme | ent on t | he sca | lle below. |
| 1. The role | of ADEC | | during | exercis | | | | | | | experience. |
| 5. | 1 | 2 | 3 | 4 T | 5 I | 6 | 7 I | - 8 | 9 I | 10 | 1. |
| Disagr | ee | | | | | | | | | | Agree |
| 2. Participation for my org | anization | | | | _ | | | • | | | and money) |
| Disagr | ee 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | Agree |





| 17. Please ra (HSEEP). | ate you | ır tamıl | iarity w | ith Hon | neland | Securi | ty Exer | cise E | /aluatio | on Prog | gram | | |
|---|---|----------|----------|---------|--------|---------|-----------|----------|----------|----------|----------------|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | |
| Disagree | | | | | | | | | | | Agree | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 18. I think H | 18. I think HSEEP has elements that would improve ADEC's Response Exercise Program. | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | • | | |
| Disagree | | | | | | | | | | | Agree | | |
| Would you b developmen four hours a | t of its on the s | exercis | se prog | ram? A | focus | group v | will invo | olve two | o meet | ings, th | ne first about | | |