



COOK INLET REGIONAL CITIZENS ADVISORY COUNCIL

"The mission of the Council is to represent the citizens of Cook Inlet in promoting environmentally safe marine transportation and oil facility operations in Cook Inlet."



Board of Directors Meeting and Council Annual Meeting

September 7, 2018 - 9:00 a.m.
Kodiak Best Western Convention Hotel - Kodiak, AK



**COOK INLET REGIONAL CITIZENS
ADVISORY COUNCIL**

BOARD of DIRECTORS MEETING

****AGENDA****

**Kodiak Inn and Convention Center
236 West Rezanof Drive, Kodiak, Alaska**

Friday, September 7, 2018

8:15 am

Continental Breakfast

9:00 am

Cook Inlet RCAC Board Meeting

Call to Order/Roll Call

Approval of Agenda *(Action Item)*

Approval of Minutes *(Action Item)*

- April 7, 2018 – Regular and Annual Meetings

Welcome & Introductions

Welcoming Remarks

- Dan Rohrer, Mayor – Kodiak Island Borough

Ex Officio Directors' Remarks

Public Comment *(3 minute limit per speaker)*

9:45 am	Staff Reports - Status of Programs & Projects <i>(Information Items, except as noted)</i> <ul style="list-style-type: none"> • Administration 1 • EMC 3 <ul style="list-style-type: none"> ○ Public Member <i>(Action Item)</i> 9 • PROPS 10 <ul style="list-style-type: none"> ○ Facility Operations Status Reports – Larry Burgess, BlueCrest Energy; Craig Hyder, Andeavor; Vinnie Catalano, CIRCAC 13 • Protocol Control 17 • Public Outreach 18
10:00 am	Presentations on Related Activities <ul style="list-style-type: none"> • Capt. Sean MacKenzie, Captain of the Port of Anchorage, and Capt. Patrick Hilbert, D17 Chief of Prevention, United States Coast Guard – CIRCAC Recognition • Jill Schaeffer, Hilcorp – Seismic Testing • Glen Faulkner, Hilcorp/Harvest – Cross Inlet Pipeline • Sierra Fletcher, Nuka Research – Cook Inlet Pipeline Risk Assessment • Todd Paxton, General Manager, Cook Inlet Spill Prevention & Response, Inc. – CISPRI Update
12:00 noon	Lunch <i>(Lunch will be provided)</i>
12:45 pm	Executive Committee Report <i>(Information Items)</i>
1:15 pm	Executive Director’s Report <i>(Information Items)</i> 21
1:45 pm	Calendars & Miscellaneous <i>(Information Item)</i> 22 Closing Comments
2:00 pm est.	Adjourn

Administration Report

Cook Inlet RCAC Board of Directors Meeting – September 7, 2018

Below you will find a brief update on the primary administrative tasks performed – or assistance provided – by your Administrative staff since the April 2018 Board of Directors meeting:

Board Elections/Appointments – Stakeholder groups, appointing organizations and individuals were notified of the Board’s actions taken during the 2018 Annual Meeting. Staff is preparing now to launch the 2019 election/appointment process in late November. The terms are set to expire for the following seats: Recreation, Tourism, the Municipality of Anchorage and the City of Seldovia.

Ex Officio Directors – An appointment was received from the State of Alaska Department of Military Affairs - Division of Homeland Security and Emergency Preparedness – Mr. Kevin Reeve – a replacement for Colin Blair. Mr. Blair accepted a position with the U.S. Department of Homeland Security.

Recertification – Official notification of our current certification (CYs 2017/18) was published in the Federal Register of May 4, 2018; that current certification extends to August 31, 2018. A letter of approval without exception of our 2018/19 recertification was issued by Admiral Abel on August 2, 2018, stating in part “The involvement by industry, government and multiple city-based organizations are a key part of your organization’s success in managing environmental concerns in Cook Inlet”; it runs from September 1, 2018 to August 31, 2019. The official notification has been published in the Federal Register.

Personnel – Long-time Accounting and Grants Manager Maritta Eledge has taken a position with a local hospital in Iowa. Maritta has agreed to a part-time, transition arrangement. And we’re pleased to share the appointment of valued colleague Vaito’a Heaven to that position. Finally, Ms. Maddie Jamora has joined CIRCAC on an immediately positive, yet temporary basis, serving as Administrative Assistant as a search for a permanent hire continues.

Grants – Staff assisted in the preparation of the National Park Service grant (successful), and the Pipeline and Hazardous Materials Safety Administration grant (pending).

Corporate Funding – All corporate funding is current for the year.

Annual Financial Audit/Federal Tax – The field audit was performed in early May, and all indications at the time were that everything was in order. An auditor presentation was made to a joint Executive & Audit Committee meeting on July 26; letter received. Our practices met all accounting standards and practices, and they found our audit to be without exception. Our CPA firm also prepared our 2017 Federal Return. We are issuing an RFP for the audit and tax preparation to cover FYs 2018-2020.

By-Laws and Policies – Staff is completing a Purchasing and Contracting Manual to be utilized in concert with revised Council Policy 9 and Personnel Policy 22, regarding same subject. Regarding our Records Management program, eligible corporate records have been appropriately discarded. In addition, we have secured a new storage facility in Kenai, and have moved archives and other items to that ‘undisclosed’ location.

Scholarships – The Committee awarded two scholarships on April 10: the Maritime Studies/Technical Trades Scholarship was presented to Verity Feltman of Kenai Central High School, who is enrolled at Kenai Peninsula College; and the Environmental Science recipient was Landon Bunting of Homer High School, now attending Oregon State University. Both scholarships have been paid to the respective schools.

Staff Training – Vaito’a Heaven is completing a five-part Foraker Group training program for non-profit management, and has completed a QuickBooks training module as well. In addition, she is undergoing internal training on our accounting, tax and grants requirements. In addition, Jerry Rombach is registered to attend the Clean Gulf conference in November.

Technology – CIRCAC upgraded staff computers in Kenai and Iowa.

Support – Staff continues to support directors, public members and staff in logistics for meetings and travel.

Activities since April 2018 Board Meeting
Staff Report: Susan Saupe

Chemical and Biological Monitoring Program

Kamishak Bay/Lower Cook Inlet Intertidal Habitats – Field Planning

1. We continued our project *Evaluation of Nearshore Communities and Habitats: Ecological Processes in Lower Cook Inlet*, by sampling for the fourth year in the Kamishak Bay/Lower Cook Inlet study area. This is a partnership project with the National Park Service (NPS), the University of Alaska Fairbanks, and NOAA (and funded by the Bureau of Ocean Energy Management, BOEM).
2. In January, we submitted an amendment for our Agreement with NPS to include budget for CIRCAC to conduct all logistics and be Chief Scientist onboard the vessel. This year, the Department of the Interior required that all significant (>100K) amendments to existing NPS Cooperative Agreements be approved at the Secretary of the Interior level. This delayed the approval of our budget for many months, but we received final approval in June.
3. For this project, I was responsible for field planning and logistics, which included negotiating vessel and helicopter schedules and contracts and developing the field sampling plan. The NPS continues to lead the overall project through their government-to-government contract with BOEM, but CIRCAC leads the field sampling efforts.
4. We (CIRCAC) signed a contract with the R/V Island C for both the subtidal and a separate intertidal survey. We conducted the vessel-based intertidal survey from 12-20 May and the subtidal component from 21-26 May.
5. I worked with Northwind Aviation to stage fuel on Augustine Island ahead of our June 13-17 helicopter surveys. We successfully sampled the Douglas Reef system on the 13th and 14th of June. We were weathered out on the 15th and didn't fly that day. On the 16th, we attempted to conduct our surveys but were weathered out once we got to Kamishak Bay. On the 17th, we made it to Augustine Island and were only able to sample one site on the east side of the island before the weather came down. We may conduct a short 2-3 day survey in 2019 prior to submitting our final report.
6. The NPS funded additional aerial surveys to collect Structure-from-Motion (SfM) data for the entire coast between Tuxedni Bay and the Kamishak Bay reefs. This data will provide us with a digital elevation model at roughly 10 -20 cm precision that will help us develop a habitat model for the entire study area based on data we've collected from specific sites. These surveys took place in June and July 2018.
7. The NPS also provided an Unmanned Aircraft System (UAS) to collect even higher resolution data for our specific sites. The drone operator participated on our vessel survey and was able to successfully obtain high resolution drone imagery from four of our sites. When combined with the Real-time Kinematic (RTK) data we've collected with our quadrat sampling, we will have digital elevational data at multiple scales that covers the entire lower Cook Inlet/Kamishak Bay coast.

Kamishak Bay/Lower Cook Inlet Intertidal Habitats – Ongoing and Upcoming Activities

1. We've provided a Project Authorizations to our contractor with Archipelago Marine Research, Ltd. to analyze the nearly 1500 photo quadrats from this project. These data augment the more detailed point-count quadrat data. By combining the two quadrat sampling methods, we combine detailed data collected in the field (but time-consuming on-site) with lower resolution data interpreted from photographs collected in the field (little time on-site but greater effort after). The quadrat photos collected from 2018 will be added to the Project Authorization using funds from our NPS Cooperative Agreement.
2. As a component of the new four-year agreement with NPS (with BOEM funding), we received some support for the development of our EMC on-line contaminants database where we are compiling our hydrocarbon, persistent organic pollutants, and heavy metals data. I continue to work with our contractors to assemble data from our various historical projects and develop visualizations for serving the data on-line.
3. We'll be working with AOOS database developers and a CIRCAC contractor from Venator, LLC, to create a "Workspace" for shared data analyses of our four years of data after our 2018 field sampling (first year pilot project and three years under current BOEM funding). This will also allow us to assess our data in the context of larger regional studies (e.g. Gulf Watch Alaska) and conduct multi-variate analyses with regional oceanographic and climatological data.



Figure 1. Packing light! Field gear ready to load for pick-up, Kamishak Bay, May 2018. Photo Jim Pfeifferberger.

Coastal Habitat Mapping Program

ShoreZone

1. I worked with our partners at Coastal and Ocean Resources, Inc. (CORI) and contractors at Archipelago Marine Research Inc. (ARCHI) to complete the final data report for our May 2016 ShoreZone surveys along the Alaska Peninsula. We submitted a draft report on 29 June 2018 and received reviews back from BOEM (project funders) at the end of July. Our final report and data submissions were made on 24 August 2018 that were accepted by BOEM as final and meeting contract deliverables.



Figure 2. Example shore station reported on for Alaska Peninsula ShoreZone project. Transect locations shown in yellow. Chiginagak Bay, May 2016.

2. I am also working with our contractors at ARCHI and with NOAA personnel to compile the Alaska Peninsula Shore Station data into a new database format for a revamped Shore Station Database and Visualization Tool on the NOAA ShoreZone website. We also hope to have these data served as “point features” on a ShoreZone Shore Station AOOS data portal. We are seeking additional partners to expand the effort to include all shore stations from Alaska.
3. All of our pressed algal specimens have been scanned by Mandy Lindeberg of NOAA using the high resolution large-bed digital scanner CIRCAC purchased. Using all of the specimens we pressed in the field, Ms. Lindeberg and our taxonomist Sandra Lindstrom have compiled a collection catalog, a taxonomic tree for the collected seaweeds, and a complete species list

from the entire study area. This was included as a separate volume to our DRAFT final report we submitted to BOEM on June 29th, 2018.

4. Four of us from the Alaska ShoreZone Steering Committee are working to develop several example pages for a “Human Impressions” booklet and exhibit. We’re using the design that we developed for the first Impressions booklet sponsored by CIRCAC (*Coastal Impressions: A Photographic Journey along Alaska’s Gulf Coast*) but will focus on human uses of the coast as shown through ShoreZone imagery. We’ve developed a list of categories that include ancient uses of the coast (intertidal fish traps, clam gardens, middens, etc...) up through more current uses that include subsistence, aquaculture, canneries, oil infrastructure, pipelines, shipping, coastal communities, mining, etc...We’ll also include coastal hazards and threats. Seed funding was provided by NOAA and we will use our examples to then solicit additional partners. We presented our initial examples to the funder at NOAA and are continuing to expand the draft pages.

Cook Inlet Response Tool (CIRT)

1. AOOS (via their database developers at AXIOM Data Science) recently released their Next Generation User Interface Released. Our Cook Inlet Response Tool is still operating under the older interface. We’ve discussed with AOOS database developers to ensure that CIRT will be updated and served within the new interface.

Physical Oceanography and Oil Fate and Effects Programs

1. On June 19, 2018, a Kachemak Bay and Lower Cook Inlet Ocean Circulation Workgroup took place in Homer. At that meeting, we discussed various operational circulation models for Cook Inlet, data and operational needs, and developed plans for evaluating the models against known circulation patterns and hydrographic regime in Cook Inlet. The PROPS committee has funding for ensuring that an accessible oil spill trajectory model is one of the final tools developed with a model. We will work closely with PROPS to help coordinate model testing and evaluation and work with partners to ensure development of an oil spill trajectory interface that will be available as a desk-top or on-line model that is accessible to any user.
2. We are supporting some of the logistical costs associated with the project *The Potential Role of Marine Oil Snow Formation and Oil-Suspended Mineral Particle Aggregation in the Fate of Spilled Oil in Cook Inlet, Alaska*, a Master of Science project by Jesse Ross of the University of New Hampshire and supported by the Coastal Response Research Center (CRRC). He has organized a Cook Inlet Marine Snow Project Advisory Committee made up of agency representatives with interests in research that could characterize the potential role of marine snow and suspended abiotic matter in the fate of spilled oil in Cook Inlet. The committee met on July 17 to receive an update on Jesse’s field activities this summer and provide recommendations for any adjustments to his sampling and analyses plans. The EMC met at the Kasitsna Bay Laboratory on July 20th, where Jesse gave a presentation on his field

and laboratory activities and demonstrated the aggregation of particulates and formation of marine snow in the water column. Finally, on August 7th, Lynda Giguere and I went out with Jesse and Mike Gaegle for his last field sampling for the summer where he deployed his sampling equipment at a site in outer Kachemak Bay. Lynda was able to interview him and take some field photographs for a newsletter article.

We will be providing Kachemak Bay glacial silt samples for laboratory studies associated with Jesse Ross's Marine Oil Snow study. We were unable to schedule a separate sampling trip for this in late August, but are able to use archived (frozen) replicate sediment samples collected from deep inner Kachemak Bay during the 2008 ICIEMAP. These samples will provide a more realistic environment for the laboratory formation of oil-associated marine snow at University of New Hampshire than was originally proposed.

Technical Review Program

1. We received an "Early notification of wastewater discharge permit for AK0053309 – Cook Inlet Energy, LLC, Osprey Platform." Through this notice, the Alaska Department of Environmental Conservation (ADEC) is notifying governmental and tribal entities that they are moving forward with plans to reissue Alaska Pollutant Discharge Elimination System (APDES) individual permit AK0053309 – Cook Inlet Energy, LLC, Osprey Platform (Permit). The Permit would regulate wastewater discharges from the Osprey Platform to Cook Inlet. When the public comment period opens, we will be submitting comments on this proposed permit as it would permit discharges from a platform that has previously been a "zero-discharge" platform for produced water and we have concerns that this status would change. I requested that when this permit comes up for review that they provide a 90-day review period, but I don't know what their final decision will be.
2. ADEC issued their 2018-2019 Permit Issuance Plan. In our area of concern, they have the proposed Osprey Platform "Individual Permit" scheduled this year (described above). They have also listed Permit AKG315200, the Cook Inlet Oil & Gas Development & Production "General Permit" as being on their 2018 schedule. We will put significant effort towards reviewing this proposed permit, its associated mixing zone plan, and all other associated documents. I was assured by ADEC that they would be providing a 90-day review period when I expressed concern over the need for a thorough review process.
3. An RCAC seat is provided on the Alaska Regional Response Team (RRT) Wildlife Protection Committee which is fulfilling requirements in Section 300.210(c)(4)(i) of the National Contingency Plan (NCP) – to ensure that the ARRT's Area Contingency Plan includes "...coordinated, immediate and effective protection, rescue, and rehabilitation of, and minimization of risk of injury to...wildlife resources and habitat." As that representative, I attended two meetings (March 21st and June 5th) where we continue to review and update *Annex G: Wildlife Protection Guidelines for Alaska* of the Unified Plan, which serves as the Alaska RRT's Area Contingency Plan.
4. I met with NMFS contractor Jen Dushane to receive an update on the NMFS Marine Mammal Disaster Response Guidelines. She has been compiling information for the Cook

Inlet and Kodiak areas for NMFS on community resources that can be accessed in the event of an oil spill or other disaster with the potential to impact NMFS marine mammal resources. This will be area-specific, but modeled after the Arctic Guidelines that were recently developed.

Additional and Upcoming Activities

1. The Oil Spill Recovery Institute (OSRI) had a meeting of its Workplan on June 30th. At that meeting, we made recommendations for OSRI-funded oil-spill related research in FY2019. An OSRI Advisory Board meeting will be on September 27th that I will attend as a board member.
2. Several Principal Investigators from the Lower Cook Inlet Habitat Assessment study will be meeting with BOEM personnel to provide recommendations for a longer-term monitoring program based on the work we've done since 2015. We have two meetings planned for September. Following that, we will be working over the winter to compile and analyze data from 2015-2018 to submit a draft report to BOEM by April 2019. We'll analyze the intertidal and subtidal habitat data in the context of physical information and the new Structure of Formation digital elevation model. As part of those efforts, I will be attending a one-week intensive class on the application of PRIMER software to conduct multi-variate analyses of multi-dimensional data that will allow us to compare intertidal community assemblage data consisting of hundreds of species at each site.
3. I'll be attending a meeting of the ARRT Wildlife Protection Committee on September 26th, having missed the August meeting.
4. The EMC met on 20th July at the Kasitsna Bay Laboratory for a tour of the facility, see presentations by Jesse Ross on the marine snow study described above and by Michael Opheim on the research conducted by the Seldovia Village Tribe, and conduct an EMC business meeting. The committee also met on 24th August via teleconference to make adjustments to the FY2018 budget and approve a draft FY2019 budget and work plan.



Figure 3. EMC Chairman Molly McCammon practices maneuvering in survival suit during tour of Kasitsna Bay Laboratory, July 2018.



BOARD OF DIRECTORS MEETING SEPTEMBER 7, 2018

Action Agenda

AGENDA ITEM:

Environmental Monitoring Committee Public Member Seat

DESCRIPTION OF AGENDA ITEM:

Council Bylaws state that the Environmental Monitoring Committee shall include 6 to 8 public members. Each public member serves a 3 year term; terms are staggered with other public members to ensure a continuity of effective participation. In March 2018, the EMC selected three public members for the three seats that were expiring in 2018. There were four applicants, including Mr. Robert Reges. Reges indicated his willingness to step aside for a new prospective member, as he was already involved with CIRCAC as a member of the PROPS Committee. With that, the committee selected the new candidate.

Since then, public member John Tuttle has resigned his position as he was moving out-of-state, leaving a vacancy. The EMC met on July 20, 2018, and voted to offer the position to Robert Reges, for the duration of Tuttle's term – one (1) year.

STAFF RECOMMENDATION FOR ACTION:

Staff recommends the Board of Directors approve the seating of Mr. Robert Reges for the remaining year of a vacant position, as voted by the Environmental Monitoring Committee.

Alaska Regional Response Team Meeting (ARRT)

Staff attended the most recent ARRT meeting hosted in Juneau. The ARRT and guests were introduced to the new District Commander, Admiral Bell. He plans to tour the State and visit outlying Coast Guard units in the coming months.

There were several topics of interest on the agenda that included:

The State-of-the-science for dispersants use in arctic waters presented by Dr. Nancy Kinner. The discussion after her presentation brought to light an important issue concerning dispersants and the public. Dr. Kinner's presentation pointed out the importance of communicating the state-of-science about dispersants and their use to the public at large and other stakeholders. Followed by the question of how to communicate findings to a broader audience/community, the following discussion identified ARRT meetings as a place to receive their input; to meet individually with other Federal agencies, responders, Public Information Officers (PIO), the ADEC, and finally with representatives in Washington D.C., followed by other small meetings around the state.

Harvest Alaska, who presented the Cross Inlet Pipeline presentation that the Council heard at the December meeting, shared updates on portions of the project that have since been completed. They still anticipate moving the first oil through the pipeline by early fall.

The last topic of interest to the PROPS committee was an update regarding the Regional and Area Plan re-write. Area Plan workgroups are being formed and preliminary meetings are taking place to begin the first steps of moving information from the Unified Plan and various Subarea Plans into the Regional and Area Plan templates. Once the information is moved, the Area Plan workgroups will take up the task of sorting, vetting and updating the information to be retained in the Regional Plan and each Area Plan. The Western Alaska Area Plan workgroup should begin its work in the fall.

Cook Inlet Harbor Safety Committee

CIRCAC staff attended the April, Harbor Safety Committee meeting held in Seward at the Alaska Vocational Technical Center (AVTEC). Staff presented the Cook Inlet Self-arrest Study and followed up with a committee discussion about the possibility of presenting the work as a "Best Practice" for marine operations within Cook Inlet. After significant discussion it was decided that while the study identifies a maneuver that has a high probability of success when performed by a trained mariner, it required further, more exhaustive study to become a "Best Practice." The Committee decided to request the Harbor Safety Plan Workgroup to review the work, develop a message that identifies the maneuver, and present it in the Harbor Safety Plan as a way to introduce it to mariners operating within Cook Inlet. CIRCAC staff was appointed as Chair of the Harbor Safety Plan workgroup and will report back to the PROPS committee how the workgroup will address the Self-arrest Study and the self-arrest maneuver in the Harbor Safety Plan.

Hilcorp/ Harvest Drill Planning

Staff is participating in drill planning pertaining to drill exercises for the Hilcorp Alaska owned and Harvest Alaska owned facilities to take place sequentially in June. Both scenarios were offshore spills to water from ruptured pipe. One focused on testing new tactical protocols, exercising the Public Information Officer/Joint Information Center (PIO/JIC), test documentation procedures, exercise the Wildlife Branch protocols, exercise resource ordering and procurement, and develop a Demobilization Plan. The other drill exercise will focused on groundtruthing the Oil Discharge Prevention and Contingency Plan (ODPCP or C-Plan), exercising the Wildlife Branch in conjunction with the Alaska Sealife Center, resource ordering and procurement,

development of a Demobilization Plan, exercise the PIO/JIC, and to test the ATMOS/ATMOS WAVE leak detection system. Both drills are a Tier III annual exercise. Tier III exercises are federal exercises focused on operational, tactical, or organization-specific objectives and do not require broad interagency headquarters-level involvement to achieve their stated exercise or training objectives.

Each exercise provided opportunities for the respective parent company to provide training to their response personnel, identify areas that need improvement and areas of strength within their organization. Both exercises saw participation by other regulatory agencies like the Pipeline and Hazardous Materials Safety Administration, Alaska Department of Fish and Game, U.S. Fish and Wildlife, and NOAA as well as local emergency coordinators like the Kenai Peninsula Borough. Each exercise was attended by Jessica Garron of the University of Alaska Fairbanks within the Air Operations team to integrate unmanned aircraft systems (UASs) to determine how they may be used to benefit response activities during an oil spill incident. This effort was to inform both Hilcorp response teams and researchers about protocol requirements and applications of UASs in an oil spill response situation.

Tesoro/Andeavor/Marathon Drill Planning

Staff participated in drill planning for a two part drill that will take place three months apart. The drill planning process began in February with day one of the drill taking place in August which included a deployment of selected tactics and equipment.

The second part of the drill will take place in November as a table top exercise, to allow the drill process to be extended in order to exercise aspects of the response that cannot be addressed in a one day exercise. The drill will follow the Homeland Security Exercise Evaluation Program (HSEEP) protocols to address the National Preparedness for Response Exercise Program (NPREP or PREP) requirements and the State of Alaska Oil Spill Response Exercise Guidance requirements. HSEEP is a national program that provides a set of guiding principles for exercise programs, as well as a common approach to exercise program management, design and development, conduct, evaluation, and improvement planning. The State's guidance document follows the HSEEP protocols and the state's requirement to test the Oil Discharge Prevention and Contingency Plan (ODPCP). The PREP was developed to provide a mechanism for compliance to the exercise requirements, while being economically feasible for the government and oil industry to adopt and sustain. The PREP is a unified federal effort and satisfies the exercise requirements of the Coast Guard, the Environmental Protection Agency (EPA), the Research and Special Programs Administration (RSPA), the Office of Pipeline Safety, and the Bureau of Ocean Energy Management (BOEM)/ Bureau of Safety and Environmental Enforcement (BSEE). Completion of the PREP exercises will satisfy all OPA 90 mandated federal oil pollution response exercise requirements.

Drills

Andeavor/KPL

Staff attended a U.S. Coast Guard un-announced NPREP drill at the KPL facility in late July. CIRCAC received notification shortly after the drill began and reported to the Emergency Operations Center (EOC) at the KPL facility. During the opening hours of an emergency the facility operator will convene an EOC to manage the initial response. During this phase of the response stakeholder notifications are initiated and information is documented to be used in the initial briefing needed to conduct safe and efficient response activities; this information is documented on the ICS form 201 (Incident Briefing). The ICS 201 is used to introduce the Incident Management Team to what has happened and what response activities have been accomplished as responders and stakeholders are notified. These activities continue as response personnel begin to report to and staff the operational Command Center (usually located at

CISPRI or another facility suitable to serve the needs of an Incident Management Team). The EOC shifts its functions to the Command Center and the Unified Command (UC) using the Incident Command System (ICS) to manage response operations through the formal ICS section procedures and framework.

Andeavor/Port of Anchorage

This drill took place at the Petroleum, Oil, and Lubricants (POL) No.1 dock at the Port of Anchorage and centered on a cargo release from the loading/offloading system of the tanker to discharge approximately 2800 bbls of refined product to Cook Inlet (Knik Arm).

During the first day of the drill, staff participated as an observer in the Emergency Operations Center (EOC) where the initial responders begin to assume control of the incident and amass the information required to develop the ICS-201 form. For the purpose of this drill, the EOC was a centralized location (Alaska Railroad Emergency Operations Center) in close proximity to the incident that allowed initial responders direct access to the command and control personnel in the first several hours of the incident. The ICS-201 is the document used to initially brief the full Incident Management Team (IMT) when it is assembled in the command center.

EOC personnel supported response operations in the field and documented those actions. Field operations deployed a Currentbuster system and a Harborbuster system. Each collection and skimming system is designed to collect approximately 200 and 95 bbls of oil respectively and allow skimming operations at towing and/or current speeds up to 5 knots and 3 knots respectively. In addition to the “Buster” systems, a collection boom was towed to collect and deliver oil to the Harborbuster system.

During the field operations an Unmanned Aerial System (UAS) was deployed to view and record response efforts to allow the Incident Commander and Operations Section personnel to evaluate the sea and weather conditions and effectiveness of the deployed assets. The drill closed out when the objective of completing the ICS 201 was met and the 201 (Incident Briefing) Briefing was conducted in preparation for the November continuance of the drill exercise.

Cook Inlet Operational Update

BlueCrest Energy

BlueCrest is currently testing well number H12, their 3rd well. Preliminary flow tests have shown very positive results. They have seen more gas than was anticipated, and have had to make some modifications to their process facility to handle the gas. This has resulted in keeping the other 2 wells shut in until they are able to process the gas. This has limited our oil production for H12 which is producing more oil than the other 2 wells combined. H12 is still under evaluation to determine a development path forward.

Furie Operating Alaska

Furie has completed the previously drilled A1 well and are waiting to put it online when the appropriate operational window becomes available. Furie and their technical partners, Petrotechnical Resources of Alaska (PRA) an Anchorage-based oil and gas technical and operational consultant, are in the process of drilling and completing another natural gas well, the A4. They expect this operation to be completed by the end of October. They are also planning on testing an exploratory zone, the Tyonek, if time in the drilling season permits. All operations are dry natural gas operations. They have not targeted nor do they anticipate any operations to encounter oil.

Glacier Oil/ Cook Inlet Energy

Osprey Platform

Operations at the Osprey platform included completion of multi-beam sonar inspection of all subsea lines this summer (8" 3-Phase, 8" Produced water, 8" Gas - Shut-in). Results showed that previous stabilization work performed in 2015-2016 is still effective. However, five spans were identified for stabilization. Crews are currently, performing underwater diving work to stabilize those spans identified during multi-beam survey. Two of the five spans have been stabilized. Stabilization work is expected to be complete within the next few weeks.

Inspections

In Line Inspection (ILI) on subsea lines planned for 2019. The last survey was done in 2014 with no areas of concern indicated.

Other inspections that were completed included annual crane, Brucker (life boat), and platform inspections. Crews are currently in process of completing cathodic protection survey for the year.

Agency audits included Spill Prevention Control and Countermeasures (SPCC) passed inspection. An Alaska Department of Environmental Conservation audit is scheduled for September.

Drilling

Glacier is planning to drill one injector well and perform a work over Electrical Submersible Pump (ESP) swap on a producing well this fall; funding dependent.

West Side Cook Inlet

Glacier is currently, working on 6" gas gathering line that runs from Trading Bay to the Kustatan Production Facility (KPF) to make it more piggable. Operations were previously modified to reduce the Maximum Allowable Operating Pressure (MAOP) in line from 1,119 Pounds Per Square Inch (psi) to 740 psi – normal operating pressure is 450 psi; due to abandonment of West Forelands wells.

Pipelines

Work is in progress to completing a cathodic protection survey for the year.

Inspections at KPF

External inspections on 10,000 bbl tanks as per the inspection schedule are currently in progress. Internal inspections were completed in 2016.

Audits and Drills

1. Passed ADEC air audit.
2. Upcoming ADEC audit in September.
3. Upcoming Pipeline and Hazardous Materials Safety Administration (PHMSA) audit in September.
4. Spill Drill exercise is scheduled for September.

East Side Cook Inlet

North Fork Site

Regular maintenance activities.

1. Small ball wireline projects - Planning in progress for fall.

North Fork Pipeline

1. Regular inspections as per schedule.

Hilcorp

Sourced from an article for The Petroleum News; by Eric Lidji

Hilcorp is planning a light year of development activities at its five federally managed Cook Inlet units: Swanson River, Beaver Creek, Kenai, Beluga River and Birch Hill.

Swanson River

Hilcorp is planning to drill between one and three new wells or sidetracks at the Swanson River unit during the current development year, which runs through March 2019. The company listed one potential well in its newest development plan and described the other two as “possible.” The company is also planning workover activities at two existing wells.

In addition to its drilling plans, Hilcorp is continuing a field study of the Hemlock formation at the Swanson River unit to identify remaining reserves, particularly in the Upper Hemlock. “The

inventory of sidetrack candidates will be vital for economically reaching these smaller/less economic targets,” the company explained in its plan.

In the previous development year, running through March 2018, Hilcorp had initially planned to drill one well, and potentially four additional wells or sidetracks, and it had also planned to conduct workover activities at one existing well. The company brought one well into production in September 2017 and reported cumulative production of 16.6 million cubic feet of natural gas by March 2018. The company described the four additional wells or sidetracks as “not possible” during the year. The company ultimately cancelled its proposed workover activities, choosing instead to recomplete three existing wells.

The Swanson River unit produced 6.69 billion cubic feet of natural gas and 691,200 barrels of oil in 2017, entering the year at 4 million cubic feet and 1,850 barrels per day and finishing the year at 4 million cubic feet and 1,750 bpd of oil. The decline fell short of company goals to maintain or increase production through development.

Beaver Creek

Hilcorp is not planning any new wells at the Beaver Creek unit during the current development year, but they have proposed a new sidetrack. The company is also not planning any workover activities at the unit during the current year.

In its previous development plan, Hilcorp proposed no new drilling projects. The company initially proposed a workover project targeting gas production at one well but later redirected the capital toward other projects.

The Beaver Creek unit produced 57,800 barrels of oil and 4.72 billion cubic feet of natural gas in 2017, according to figures provided by the company.

Seaview Pad

The Seaview Pad is Hilcorp’s newest drill site, located near Anchor Point, and was recently added by amendment to the Oil Discharge Prevention and Contingency Plan. The permit to drill the well was filed with the AOGCC on 8/2/18, they were seeking to get permit approval by 8/24/18. Hilcorp anticipated a final decision from Alaska Department of Natural Resources by 8/27/18 on their Plan of Operations permit. The Alaska Oil and Gas Conservation Commission was still processing the well spacing exception; pad construction was anticipated to begin by the end of August.

The rig they will be using has been working at Beaver Creek. If the permitting process proceeds as planned and there are no operational delays at Beaver Creek, the drilling rig is expected to be in Anchor Point around 9/24/18±.

Kenai

Hilcorp is not planning any drilling or workover activities at the Kenai unit. In its plan for the previous development year, Hilcorp proposed as many as eight new wells at Kenai - four wells in the Deep Tyonek participating area, two wells targeting the Beluga/Tyonek gas pool, and as many as two additional unidentified wells or sidetracks. The company also proposed as many as

10 coil tubing workover projects, as many as 10 e-line recompletions and as many as five rig workover projects at the unit. Hilcorp ultimately drilled three new wells during the year.

The company drilled the one well into the Tyonek formation in April 2107. The well was producing 460,000 cubic feet per day in March 2018. The company drilled another well into the Tyonek formation in May 2017. That well was producing 190,000 cubic feet per day in March 2018. The company drilled a third well into the Tyonek formation in August 2017. That well was producing 3.9 million cubic feet per day in March 2018.

Given the “exceptional results” of these three development wells and also “current gas market constraints,” Hilcorp deferred the three remaining wells in its proposed drilling program for 2017 as well as the 25 proposed workover operations to “future years.”

Beluga River

On the west side of Cook Inlet, Hilcorp is not planning any drilling activity at the Beluga River unit during the current development year but is planning several undefined workover projects for later this summer. The company operates the unit on behalf of several partners, including Municipal Light & Power and Chugach Electric Association.

In its previous plan, the company made no firm drilling commitments and ultimately did not drill any new wells, focusing instead on overhauling seven compressors at the unit. The unit produced 14.9 billion cubic feet in 2017, down from 17.4 billion in 2016.

Birch Hill, Sterling

In the Cook Inlet basin, Hilcorp also operates the Birch Hill unit at the northern end of the Kenai Peninsula, but the U.S. Bureau of Land Management has yet to approve the plan for 2018. The previous development plan included a proposal to test an existing well at the unit in the hopes of returning it to production over a three-to-six-month period.

The Bureau of Land Management is also in the process of terminating the Hilcorp-operated Sterling unit. The federal agency initially proposed unit termination in December 2016, although subsequent development plans by Hilcorp had deferred any decision on the matter.

Protocol

Since our last Council meeting the Protocol Committee has met once to discuss and approve comments regarding:

The decommissioning of the Unified Plan and Sub-area plans and the transition to a Regional Plan and four Area Plans. This was the first step in the transition, consisting of transferring the content of the Unified Plan to the Regional Plan and within that transition transferring any applicable information into the appropriate Area Plan. Likewise the information contained in each Sub-area plan will be transferred into one of the four new Area Plans; since this will consist of ten Sub-area plans being combined into four Area Plans there will be considerable work ahead. Future changes will occur at the Regional and Area workgroup level to ensure the information is appropriate for each document; in this process all the information will be vetted to ensure its accuracy and that it is in the proper plan document. Any additional pertinent information can be added as the process progresses.

The Bureau of Safety and Environmental Enforcement (BSEE) proposed rulemaking for revision of Oil and Gas and Sulfur Operations in the Outer Continental Shelf--Blowout Preventer Systems and Well Control regulations. In this proposed change BSEE seeks to incorporate American Petroleum Institute (API) standards in order to ensure consistency in operations and equipment. However we did offer our recommendations regarding other areas of the proposal to improve oversight, operational safety, and clarification for industry.

The Lease Operations/Cook Inlet Seaview Pad, Well Drilling and Testing. These comments centered on the addition of the Hilcorp Seaview Pad to Hilcorp's exploration operations. In these comments and in previous comments to the ADEC (amendment review of the ADEC required Oil Discharge Prevention and Contingency Plan to include this site) we pointed out that the location of this site is within a "Buffer Zone" set for the Anchor River in the 2017 Areawide Oil & Gas Lease. Part of the Areawide lease specifies mitigation measures; in this case a half mile "Buffer Zone" along the Anchor River was identified. The mitigation measures go on to say that facilities may be sited within these buffers if the lessee demonstrates to the satisfaction of the director, in consultation with the Alaska Department of Fish and Game (ADF&G), that site locations outside these buffers are not practicable or that a location inside the buffer is environmentally preferred. We expressed our concern over the proximity to the Anchor River and asked the Alaska Department of Natural Resources and ADF&G to ensure this is the only practical site location within the lease and to carefully review the mitigation measures cited in the application. CIRCAC again addressed this issue in comments regarding the Request For Additional Information by the ADEC. In those second round of comments we request the State (through the Oil Discharge Prevention and Contingency Plan) to require the allocation of additional on-site resources to be available for immediate deployment to protect the Anchor River in the event of a blowout.

Public Outreach Report to the Board – September 7, 2018

Public Outreach continues to promote CIRCAC's brand and activities to advance our Mission on a number of different fronts, including through paid, earned and social media avenues and public events.

Paid Media

Radio: We have created a new 30 sec. ad to complement our existing ads in rotation to run intermittently this summer. This new ad features our Board President, John Williams.

Print: We have also placed paid ads in each visitors guide, including Kodiak, Kenai, Soldotna and Homer, as well as the Pilothouse Guide and one ad in Alaska Business Monthly's June edition which focused on oil spill prevention and response.

Branding: In addition, we have purchased promotional items to publicize our mission, logo, contact information, or special projects and have been distributing them at events, most recently AMSS, ComFish Alaska, Ninilchik Fair and Industry Appreciation Day. In November, we are sharing a booth with Prince William Sound RCAC at Pacific Marine Expo.

2018 Earned Media (which mentions CIRCAC) to date (since last board meeting are in bold):

07.13.18 – Little Boat on a Big Adventure, ColumbiaCounty Spotlight

05.13.18 – CIRCAC project assessing pipeline risk, Petroleum News

05.02.18 – After leaks, Cook Inlet's aging oil and gas pipelines get an unprecedented review (Anchorage Daily News)

04.19.18 – CIRCAC announces scholarship awards (KSRM Radio Kenai)

01.10.18 – Citizens group studying Cook Inlet Pipelines, Alaska Public Media

01.03.18 – CIRCAC studying Cook Inlet Pipelines, Peninsula Clarion

News Releases to date:

2018

08.03.18 CIRCAC Recertified

04.19.18 CIRCAC Announces 2018 Scholarship Awards

Cook Inlet Navigator e-Newsletter

September – Update from the Field, CIRCAC supports graduate student's marine snow study

August – CIRCAC helps students learning about ocean currents, staff and directors travel to Beluga for Cross Inlet subsea pipeline update, News, and Upcoming Events.

June – ADEC makes changes to oil spill drills, Drift River Oil Terminal to be dismantled, meet Dick Prentki, PROPS Committee tours IBRC

May – Meet Robert Peterkin, II, CIRCAC applies for recertification, KPB Alert System, US Coast Guard Change of Command

April – Update from the Board, CIRCAC awards Scholarships, 2017 Annual Report, Board and Committees appointments

March (no newsletter this month)

February – Meet Kyle Crow, representing the Kodiak Island Borough; CIRCAC and PWSRCAC staff get a tour of Marine Exchange of Alaska in Juneau

January – CIRCAC releases self-arrest study, Andeavor invests in simulator training, CIRCAC accepting scholarships

Social Media—Facebook posts increase brand recognition and promote our activities, including Board Meetings, upcoming events, scholarships, Harbor Safety and other committee news, and our newsletter.

Trade shows and exhibits—

CIRCAC exhibits at numerous public events to promote our program work, Scholarship offerings, and brand throughout the year. Working with Pips Printing, we are designing new exhibit booths and displays which we'll roll out at future events.

To date, we have exhibited at:

- AMSS, Poster Sessions, Egan Center, Anchorage
- ComFish Expo, Kodiak
- Ninilchik Fair
- Industry Appreciation Day



Drills and Exercises—CIRCAC staff

participated in the drill exercise design and development process and throughout the Incident Command System during the exercise; as an advisor to the Unified Command, within the Environmental Unit, in the Joint Information Center, as a member of the drill facilitation team as "Truth/Control" providing injects to the Operations Section.

Scholarship Program—Now in its fourth year, the Scholarship Program has created enumerable opportunities to heighten public awareness of CIRCAC's Mission and program work. At ComFish 2017, many people were familiar with the program; two local students who are well-known in the community have received CIRCAC scholarships and are doing well.

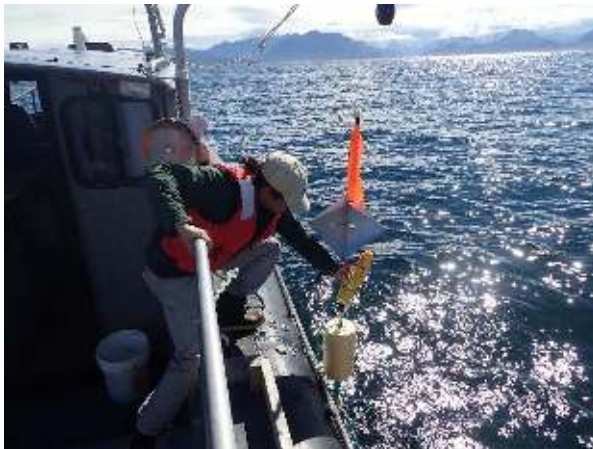
In addition to supporting the next generation of stewards, the program is generating good will and a positive attitude toward our work. Working with the Director of Administration, we utilize every opportunity to promote the scholarships such as at job fairs, in the newsletter, on the website, through social media, outreach to schools and libraries, and at our exhibits.

Directors Update—Following each Board Meeting, we prepare a summary of the meeting proceedings. These are distributed to the Directors to share with their Stakeholder Groups and are routinely included in packets for Council and Assembly meetings.

Website—During a recent staff meeting, we spoke about ways to ensure our work is well documented and archived. This prompted a review of how our information is presented and cross-referenced throughout the website which is ongoing.

Please notify the Public Outreach Director of any events that are not posted which should be. We continue to utilize the newsletter, exhibits and Social media tools to drive audiences to our web page for more in-depth information.

Other activities—In August, the Director of Public Outreach joined Sue Saupe and graduate student Jesse Ross as he conducted water sampling in Cook Inlet for his study on marine snow's interaction with oil and dispersants. The purpose of the trip was to view fieldwork firsthand and interview Mr. Ross (pictured below) for the newsletter.





16451

AUG 02 2018

Cook Inlet Regional Citizens' Advisory Council
Attn: Michael Munger, Executive Director
8195 Kenai Spur Hwy
Kenai, Alaska 99611

Dear Mr. Munger:

After review of the recertification package submitted by the Cook Inlet Regional Citizens' Advisory Council (CIRCAC) dated April 6, 2018, I certify the CIRCAC as an alternative voluntary advisory group permitted under Subsection 5002(o) of the Oil Pollution Terminal and Oil Tanker Environmental Oversight and Monitoring Act of 1990. This recertification terminates August 31, 2019.

Under the guidelines established by the Coast Guard in 2002, this re-certification fell under the streamlined inspection process and as such only substantive changes were reported by your office and public comment was not sought by the Coast Guard.

I appreciate the update you provided dated July 19, 2018. The involvement by industry, government and multiple city-based organizations are a key part of your organizations success in managing environmental concerns in Cook Inlet. I look forward to continued work with you toward our common goal of improving the environmentally sound transportation of oil in Cook Inlet and its surrounding communities.

Sincerely,

A handwritten signature in blue ink, appearing to read "M. T. Bell, Jr.", written over a horizontal line.

M. T. BELL, Jr.
Rear Admiral, U.S. Coast Guard
Commander, Seventeenth Coast Guard District

Copy: Sector Anchorage
CGD17 (dl)

September 2018

September 2018

October 2018

Su	Mo	Tu	We	Th	Fr	Sa
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Su	Mo	Tu	We	Th	Fr	Sa
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Aug 26	27	28	29	30	31	Sep 1
2	3 Labor Day - Office Closed	4	5	6	7 Board of Directors Meeting (Kodiak)	8
9	10	11	12 Glacier Oil Drill @ CISPRI	13	14 8:00am Payday	15
16	17	18	19 Glacier Oil Equip. Deploy - West MacArthur R. Unit	20	21	22
23	24	25	26	27	28	29
30 IOGCC Conference - Coeur	Oct 1	2	3	4	5 IOGCC Conference - Coeur d'Alene, ID 8:00am Payday	6

October 2018

October 2018							November 2018						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
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21	22	23	24	25	26	27	25	26	27	28	29	30	
28	29	30	31										

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sep 30	Oct 1 IOGCC Conference - Coe	2 AMOP (Victoria, BC) Salish Sea Shared Waters Forum - Bellingham WA	3	4	5 PROPS Meeting (Kenai)	6
7	8 Indigenous Peoples/Columbus/Explorers Day - Office Closed	9	10	11	12 8:00am Payday	13
14	15	16 National Boss's Day	17	18	19	20
21	22	23	24	25	26 8:00am Payday	27
28	29	30	31	Nov 1	2	3

November 2018

November 2018							December 2018						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
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11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30		23	24	25	26	27	28	29
							30	31					

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct 28	29	30	31	Nov 1 APICC Annual Meeting - Anchorage	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
Western Society of Naturalists	Veterans Day - Office Closed		Alaska Invasive Species Workshop (Homer, Lands End)			
			Clean Gulf Conference - New Orleans			
18	19	20	21	22	23	24
	Pacific Marine Expo (Seattle)			Thanksgiving Day - Office Closed	8:00am Payday	
25	26	27	28	29	30	Dec 1
				Board of Directors Meeting - Anchorage		