



- I. OPENING BUSINESS 9:00 a.m.
- Call to Order (John Aho, Chairperson); Roll call: Commission members John Aho, David Cole, Rod Combellick, Roger Hansen, Robert Hicks, Kathy Hosford, Laura Kelly, Dean Maxwell, and Mark Roberts present. Commission member Gary Carver was excused. April Woolery of the State Division of Geological & Geophysical Surveys was also present.
 - Approval of the Agenda
 - Introductions-Guests: Gretchen Grekowitz of Doyon Emerald in Anchorage, Myron Casada of ABS Consulting in Knoxville, TN and Steve Harris of ABS in Oakland, CA.
 - Review and Approval of Minutes for 10/01/2008 & 10/02/2008: Commission member Maxwell motioned, Commission member Hicks seconded to approve minutes with amendments.
 - Commission member Laura Kelly was awarded the Coast Guard's Engineer of the Year award. Congratulations to Laura for being one of the few civilians to win this national recognition.

- II. BRIEFINGS 9:10 a.m.
- State of Alaska Risk Assessment of Oil & Gas Infrastructure – Ms. Grekowitz is the Coordinator for the Alaska Risk Assessment Project. Messrs Casada and Harris are with ABS Consulting, Doyon Emerald's partner company in the project. The two companies specialize in risk assessment. For this project, they are evaluating existing oil and gas production infrastructure, including the TAPS, LNG plants, undersea pipelines in Cook Inlet, and related facilities. Once their review is complete, they will produce a risk profile that will include risk factors for each piece of infrastructure. It will be up to the state to respond to risks uncovered during the project. They are interested in the ASHSC members' knowledge of seismic hazards. The ASHSC offered to review and provide recommendations to the project. Commission member Combellick noted that the ASHSC is not a regulatory body, but we can provide input.
 - Recent Seismic Activity of Interest-Hansen: This past month, there was a magnitude 1.9 event near Talkeetna, a magnitude 3.5 near McCarthy, and a magnitude 4.8 near Huslia. The Huslia event is an example of how even in areas considered to be low in seismic activity, we can get events near magnitude 5. This area does not have mapped faults as yet.
 - Health of the Alaska Seismic Networks-Hansen: The field season is almost over. Roger's group is working on establishing a receiver site along the Alaska Highway Corridor near a recently discovered active fault. New systems have been set up near Akhiok on Kodiak Island.

Real time strong motion sensors have been established in Anchorage at the Anchorage Church of Christ. Commission member Hansen hopes to get another sensor installed at the fire station in Chugiak, one in Eagle River, and one at the DOWL Engineering office in Anchorage. The Alyeska project is about to go online. All eleven stations are installed and reporting, although they are having intermittent trouble with Pump Station four. Alyeska is working to resolve those issues. Overall, the systems in Alaska are improving due to replacement of the old analog components with more reliable digital equipment. Accuracy has improved measurably as a result of the digital upgrade.

- Shake Map Update-Hansen: The system should be fully functional. If any commission members have difficulty accessing maps, they should let Roger know so that he can resolve the problems.
- ANSS Implementation Committee Meeting-Hansen: The various networks were discussed, as well as how well the networks are performing. They plan to create workgroups to establish measures so that the networks' effectiveness can be determined and standardized. They want to make the data consistent on a national scale. The Menlo Park group is spearheading development of a new infrastructure for strong motion data processing. They are focusing on standardizing data formats.
- Peter Haeussler's presentation to the Alaska Geological Society on Submarine Landslides and Tsunamis at Seward & Valdez Triggered by the 1964 Magnitude 9.2 Alaska Earthquake, Presentation Summary-Aho: Mr. Haeussler noted that it was tsunamis generated by submarine landslides that caused the greatest loss of life in Seward following the 1964 earthquake. Seward was the only town hit by tsunamis generated both by submarine landslides and by tectonic shifting.

III. OLD BUSINESS 10:00 a.m.

- Action Items
 - John Aho is in the process of arranging possible presentations for future meetings.
 - We should contact the Anchorage Dena'ina Convention Center soon regarding the 2014 National Earthquake Engineering Conference, as the center seems to fill up years in advance. We should also begin to sign up sponsors. The commission might need to set up a subcommittee to be sure that this conference is given proper attention.
 - Also see 10/01-02/2008 Action Item List

IV. MEETINGS OF INTEREST 10:15 a.m.

- Alaska Council of School Administrators Anchorage, AK October 2008
- Alaska Association of Secondary Schools Anchorage, AK October, 2008

- Annual GSA Meeting Houston, TX October 5-8, 2008: State Geologist Bob Swenson was unable to attend due to a venue change caused by damage from Hurricane Ike.
- ANSS Implementation Committee Boston, MA October 14-15, 2008
- 14th World Conference on Earthquake Engineering Beijing October 12-17, 2008
- International Earthquake Conference Los Angeles November 12-14, 2008
- State Board of Education Meeting Anchorage, December 5, 2008
- Alaska Association of School Administrators Anchorage December 5, 2008
- Tsunami Mitigation Irvine, CA December 8-9, 2008
- American Geophysical Union San Francisco December 15-19, 2008
- WSSPC Board Meeting Sacramento 12/15-16, 2008
- EERI/WSSPC Annual Meeting Salt Lake City, UT February 11-14, 2009
- SW Alaska Municipal Conference-January 2009
- Alaska School Administrators Anchorage January 2009
- SSA Annual Meeting Monterey, CA April 8-10, 2009
- 9th U.S./10th Canadian National Conference on Earthquake Engineering Toronto July 25-29, 2010
- 2014 National Earthquake Engineering Conference-Anchorage

V. CRITICAL DEADLINES 10:30 a.m.

- FY09 Budget to Legislature: We should be hearing in the next week or two. All agencies have to wait until OMB has reviewed their budgets before the budgets get submitted to the legislature.
- FY09 Draft Report: December, 2008: Commission members Combellick and Hansen will look over their sections and have feedback by December 1, 2008.
- FY09 Final Report to Legislature January, 2009

VI. NEW BUSINESS 10:40 a.m.

- Future Briefings
 - Anchorage Port Expansion
 - Monitoring of Large Earthquakes
 - GIS Measurement of Fault Displacement
 - Other Suggestions: Chairman Aho is working on setting up presentations and will follow up with Commission member Maxwell on insurance modeling.
- Commission member Roberts may have HAZUS training available January 28, 2009, from 8am to 5pm at the National Guard Armory near Anchorage. Interested Commission members should contact him.

VII. REPORTS

11:15 a.m.

- Chairperson
 - Ivy Frye, SOA Boards & Commissions Contact: Chairman Aho suggested Valdez as a seismically active area that is not yet represented on the Commission. Commission member Combellick suggested that Chairman Aho ask Ms. Frye if she needs more information to move forward in the appointment process.
 - 3rd Quarter Ethics Report: no violations to report.
 - The Commission will elect new officers in January.
 - Chairman Aho will give a presentation at the State Board of Education meeting on December 4.

- Committee Reports
 - Insurance-Maxwell: The committee is continuing to work on a brochure that will help people to determine whether they need earthquake insurance or not. Also of interest is a new risk assessment that came out on the Hayward Fault in Oakland, California. If a major earthquake occurs along this fault (magnitude 7), the estimate is that it would cause between \$210 and \$235 billion worth of damage. Only about 15% of predicted losses would be ensured. This is potentially a huge problem, since even if everything were insured, the American insurance industry does not have the capitol to cover such huge losses. Also discussed was the possibility of forming a commission subcommittee to assist Sarah McNair Grove, Property/Casualty Actuary for the Alaska Division of Insurance, in analyzing the merits of the various models for setting earthquake insurance rates.
 - Schools-Kelly/Cole: The committee is continuing to work towards a partnership with the Department of Education to summarize the ages of facilities and begin approaching seismic safety issues by requesting funding from the legislature. Ultimately, the Commission and the Department of Education should develop a school seismic safety act that would go to the legislature via the Governor's Office. Regarding the WSSPC award nomination for the Kodiak School District, Commission members Kelly and Carver have been researching all that went into the retrofit project. Their nomination was based not only on the school retrofit itself, but on all of the community outreach that went into making the project such a success. They garnered tremendous community support for the project.
 - Earthquake Scenario-Combellick: No meeting since the last one (October 1 & 2). There has been no further work on the EERI example.
 - Education & Outreach-Hicks: The newsletter is progressing, with articles from Commission members Combellick, Hosford, and Maxwell as well as his own. Chairman Aho will be sending his article soon, and Commission member Hicks has included two book reports as well. He

still needs more feature articles, a list of websites of interest, Roger's quarterly report and a few other things. He will include a mention of Commission member Kelly's Coast Guard award.

- Hazards Identification-Carver: Absent, no report
- Response, Recovery-Roberts: Commission member Roberts will meet with Chairman Aho next week
- Post Earthquake Planning-Carver: Absent, no report
- Partnership-Aho: No new developments since the Joyner Lecture in October

VIII. GENERAL DISCUSSION 11:30 a.m.

- Public: None
- Commission Members: Commission member Combellick said that DGGs is working to hire a Geologist III, specializing in neotectonics. The Goose Creek prison contract has been awarded. The prison will be located near the Castle Mountain fault. The commission should look into getting a presentation from the builders regarding the seismic safety measures that they will incorporate.

IX. ADMINISTRATIVE MATTERS 11:45 a.m.

- Budget Report-Woolery: there is \$6,648.02 remaining in the budget for the 2009 fiscal year.
- ASHSC Web Site Update Status-Woolery: Most of the website is updates, with a few revisions to finalize minutes. Still needed are PowerPoint presentations from the face-to-face meeting.
- Next Meeting Date: Tuesday, December 2, 2008 at 9:00 (teleconference). There will be no January meeting, but there is a face-to-face planned for February, details to be worked out.

X. ADJOURNMENT 12:00 p.m.

- Commission member Combellick moved, and Commission member Cole seconded to adjourn. All in favor. Meeting adjourned at 11:57pm.