



CALIFORNIA COUNCIL OF TESTING AND INSPECTION AGENCIES

April 23, 2009
Sheraton Pleasanton Hotel
5990 Stoneridge Mall Road
Pleasanton, CA 94588

Minutes - Board of Directors Meeting

- 1) Convene
 - a) Time
President Mike Parker called the meeting to order at 2:03 p.m.
 - b) Attendees

<i>Mike Parker (President)</i>	<i>John Byerly (Director)</i>
<i>Chip Moore (Vice President)</i>	<i>Jeff Cannon (Director)</i>
<i>Miki Craig (Secretary)</i>	<i>Martha McDonnell (Director)</i>
<i>Rick Van Horn (Past President)</i>	
 - c) Absent
Elizabeth Levi (Treasurer)
- 2) Approval of Minutes
 - a) February 17, 2009 Meeting
The minutes were approved as submitted.
- 3) Financial Report
 - a) *None given due to absence of Treasurer Levi.*
- 4) Old Business
 - a) 2010 ABL Location
Discussion of this item was tabled, as Treasurer Levi was not present.
 - b) Education Classes
Director Cannon and Past President Van Horn reported the Sacramento class had approximately 32 participants. All remaining locations were cancelled as only one or two people indicated interest in each venue. It was noted that earlier and more frequent announcements might increase interest and participation.
- 5) New Business
 - a) WACEL Foundation Inspector Certifications (*handout*)
Director Cannon recently reviewed this exam sponsored by WACEL (Washington D.C. area association). Although geotechnical engineers have long claimed this area of inspection is under their purview, a recent nationwide survey sponsored by Building Officials indicated that 90% of the work was being performed by tech-level personnel. ASFE was interested in the program, as it is the only one of its kind in the country. They wished to determine if it would be beneficial to the industry to promote the program on a national level. There are some local issues contained in the exam, but Director Cannon felt it was 95% ready and applicable to the industry as a whole. As a prerequisite to sitting for the exam, the candidate must provide evidence of both ACI Field Tech Grade 1 and NICET Level 2



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certification (or equivalent), in addition to a statement signed by a Registered Engineer supporting the candidate's qualifications.

Currently, WACEL's fee for the exam is \$250 for non-members, and \$90 for members. ASFE would likely charge its members and RO's \$150.

Director Cannon felt it was a good, valid testing program. It currently has peaked the interest of the cities of Houston, New York, St. Louis, and Clark County, NV.

As always, ASFE would rather have one exam, rather than overlapping programs. ICC's new soils exam could also act as a prerequisite to this one. Director Cannon indicated he did not wish to actively promote the exam within California at this point, but feels the exam has potential merit for geotechnical firms' QA and loss prevention programs.

Director Cannon suggested contacting CalGeo to get their opinion. President Parker will contact Todd Kaminski (member of CalGeo's Board of Directors) to inquire if there would be interest for our two Boards to meet for discussion.

b) Training Element @ General Meetings (*handouts*)

Director Cannon suggested a training program might draw more participants at the general meetings. The session could be really short (15 minutes), or longer (an hour) dependent on the topic and speaker. He suggested the topics could be advertised via the meeting announcements. It was agreed that he would present a short program at the general meeting today to determine the response of the membership.

c) Sponsorship of DSA Academy for Architects, Engineers, & Construction Managers re Responsibilities During Construction

This topic was referred to the Board for action during last month's meeting with DSA. The membership is supportive of DSA's effort to move forward with this training. The Board was agreed that CCTIA could sponsor these programs throughout the State, charging enough to cover costs of the venues and presenting DSA staff. President Parker will contact Jeff Enzler and/or Eric France to see if DSA's management is also agreeable to this method procedure.

6) Adjournment

a) Time

President Parker adjourned the meeting at 2.46 p.m.

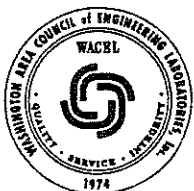
Respectfully submitted,
Miki Craig
Secretary



An Association of Engineering Laboratories, Inspection Agencies and Building Officials

WACEL SKILL MATRIX FOR SOIL TESTING AND INSPECTION

Skill	Soils I	Foundation Technician
General Soil Knowledge		
1. Can visually identify and classify soil in accordance with USCS	✓	✓
2. Has basic knowledge of and can interpret soils laboratory tests (moisture content, sieve analysis, Atterberg limits, Proctor tests)	✓	✓
3. Can obtain, identify and transport soil samples	✓	✓
4. Can interpret basic earthwork specifications and site plans	✓	✓
5. Understands the role and responsibility of a soils technician on construction sites	✓	✓
6. Familiar with typical properties including compaction behavior of different soil types and their suitability for different purposes	✓	✓
Field Compaction Testing and Observation Knowledge		
7. Can perform field density tests by Nuclear Gauge or Sand Cone method	✓	✓
8. Familiar with commonly used compaction equipment (and the suitability of each) for proper compaction of different soil types	✓	✓
9. Understands the principals of the Sand Cone test including the relationship of volume to density	✓	✓
10. Can prepare a written field report with appropriate locations	✓	✓
11. Can perform field one-point proctors and familiar with applying to families of curves	✓	✓
12. Can perform +4 correction		
13. Can perform trench corrections for nuclear gauge testing in trenches	✓	✓
14. Understands typical field stakeout and offset markers	✓	✓
15. Familiar with and can interpret soil borings and geotechnical reports		✓
Foundations, Retaining Walls Embankments and Miscellaneous		
16. Can evaluate shallow foundations as directed by the geotechnical engineer		✓
17. Familiar with reinforced and segmental retaining walls		✓
18. Familiar with deep foundations		✓
19. Familiar with embankments, dams and impoundment structures	✓	✓
20. Can perform basic topsoil strip check and can observe proofrolling of subgrades	✓	✓
21. Familiar with general slope stability issues		✓
22. Familiar with shrink/swell soil issues		✓
23. Familiar with geotextile applications and construction methods		✓
24. Familiar with calibration requirements for field equipment	✓	✓
25. Can perform visual inspection of reinforcing steel for shallow foundations and deep foundations.		✓
Safety		
26. Familiar with excavation safety including OSHA requirements	✓	✓
27. Completed basic radiation safety training and has certification (for Nuclear Gauge users only)	✓	✓





CCTIA Training Possible Presenters and Topics

<u>Possible Presenter</u>	<u>Possible Topic</u>
Kurt Siggard, Concrete Masonry Association of California & Nevada	Masonry inspection, masonry testing, masonry materials
Russell Synder, California Asphalt Producers Association	Pavement topics
Eric France, California Division of State Architect	DSA requirements, documentation, upcoming changes
Bob Higgins, private consultant (formerly with Sinak Corporation)	Concrete slabs, flooring problems
Todd Kotey, ECO:LOGIC Engineering	Pipeline construction and inspection, trench construction
Ray Pylant, Chief Building Official, County of Fairfax, Virginia	Special inspections, building officials
Hershal Brewer, IAS	ISO 17025, lab accreditation
Marshall Doyle, Cal-Cert	Equipment calibration, equipment maintenance, calibration procedures
Brian Richardson, Pacific Calibrations	Equipment calibrations, equipment maintenance, calibration procedures
Dr. Carl Monismith, UC Berkeley	Roadway construction, new changes/technology in roadway construction and materials
Jay Ponce, City of Portland, OR	Special inspections, building officials
? (numerous possibilities)	Aggregate plant operations and production, sampling at plants
? (numerous possibilities)	AC plant operations and production, sampling at plants
? (numerous possibilities)	Ready mix concrete plant operations and production, sampling at plants
?	Concrete masonry block manufacturing, plant operations, sampling at plants
?	Cement manufacturing, different types of cement, uses of cement
?	Post-tension construction, and inspection
?	Pre-stress concrete construction, plant operations, inspection



CCTIA CEU Training Presentations

<u>Case Studies</u>	No. of Slides	Notes
<input type="checkbox"/> Don Pedro Wastewater Treatment Plant	25	Soil, Geosynthetic Liner
<input type="checkbox"/> Lee House	24	Steel Studs, Legal
<input type="checkbox"/> Lincoln WWTRF	42	Concrete
<input type="checkbox"/> Lowes Home Improvement	36	Masonry, Steel
<input type="checkbox"/> McCarron Airport Rental Car Facility	54	Concrete
 <u>Concrete</u>		
<input type="checkbox"/> ASR	44	
<input type="checkbox"/> ASR 2	81	
<input type="checkbox"/> Concrete 101	73	
<input type="checkbox"/> Slab Emissions	34	
<input type="checkbox"/> Anchor Bolt Testing	14	
<input type="checkbox"/> Concrete Testing	19	
<input type="checkbox"/> PT Construction	16	
<input type="checkbox"/> Slab Vapor Emission Testing	16	
 <u>Masonry</u>		
<input type="checkbox"/> Masonry Inspection	29	
<input type="checkbox"/> Masonry Inspection 2	28	
<input type="checkbox"/> Mortar-Grout Sampling	20	
 <u>Metal</u>		
<input type="checkbox"/> Angle Beam UT Testing	17	
<input type="checkbox"/> FerroScan	14	
<input type="checkbox"/> FerroScanning	18	
<input type="checkbox"/> Measuring Fillet Welds	12	
<input type="checkbox"/> Shop Inspection	12	
<input type="checkbox"/> Tagging Rebar	17	
<input type="checkbox"/> Bolt Torquing	21	
<input type="checkbox"/> Reviewing WPSs	20	
<input type="checkbox"/> Structural Steel Inspection	10	
<input type="checkbox"/> Welding Inspection	23	

<u>Miscellaneous</u>	<u>No. of Slides</u>	<u>Notes</u>
<input type="checkbox"/> Aggregate Sampling	11	
<input type="checkbox"/> DFR Writing	22	
<input type="checkbox"/> Thermography	11	
<input type="checkbox"/> Intro to Fiber Composites	27	
<input type="checkbox"/> What's Wrong with this Picture?	30	
 <u>Soil</u>		
<input type="checkbox"/> Retaining Wall Failures	19	3 case studies
<input type="checkbox"/> Segmental Wall Failures	28	3 case studies
<input type="checkbox"/> Soil Compaction	31	
<input type="checkbox"/> Nuclear Gauge Safety	16	
<input type="checkbox"/> Sand Cone Testing	17	
<input type="checkbox"/> Soils Inspection	49	