

OTC Nuclear Review Committee 4-28-11 Meeting Summary

- Introductions
- Overview of agenda
- Basic Groundrules:
 - Small informal group
 - Discussion items and agenda items for committee members
 - Time for public comments built into agenda
- June 11, 2011 at 8:30 – Energy Commission holding a meeting to discuss seismic issues in Sacramento.
- NPDES
 - State will address those issues in the permit process, this group will focus on alternatives to OTC
 - Simplified overview of process: waste discharge report received, staff works with Regional Boards to determine which to permit.
- Jonathan Bishop voted in as chair of this group.
- For future meeting minutes, Dominic will get comments to OPP for edits. Post final to web.
- Committee responsibilities
 - **Action Item: Produce a feasibility analysis**, but not provide a single recommendation to the State Board.
 - State Board expects a range of alternatives.
- This group was formed so that studies that have been done have an unbiased review.
 - Consider: are existing studies appropriate for use – have nuclear engineering consultant decide if existing studies are adequate or if new studies are needed.
- Studies:
 1. San Onofre Jan. 08 Comprehensive Demonstration Studies (screening studies)
 2. Sept., 09 study on SONGS cooling towers
 3. 2002 – Tetrattech – screening technologies
 4. Report on cooling towers done for rulemaking (07 or 08) (Entercom)
 - All previous studies are on Region 3's website
 - **Action Item: Dominic will link to NRC's website.**
- Other studies:
 - 1982 Diablo Canyon
 - 1989 Marine Review Committee (several large documents)
 - Staff reports from 2003 and 2005 (permitting renewal docs)
- Phase 1: Contractor to review existing studies but put more weight on newer studies and determine what new studies are needed.
- Phase 2: Contractor develops new studies.
- Make sure we look at full range of alternatives.
 - Environmental impacts and benefits vs. downsides
 - Initial discussion – go back and think about additional options:

- Alternatives:
 - Recycled water (or closed cycle)
 - Subsurface intake structures
 - Wedgewire or fine mesh screens
 - Air cooling
 - Deep water intakes
 - Aquasweep technology (type of wedgewire)
- Consider seismic or tsunami impacts of alternative
- Consider quantity of recycled water available at location
- Cost effectiveness
- Here is what it will take to make it work here- approach.
- Site specific (each tech to each site) but one comprehensive report at the end that addresses both sites.
- **Action Item: Ensure agencies are communicating and ensure all groups are communicating**
 - **IAWG** Item
 - Report NRC and SACCWIS items formally on the agenda every time.
 - NPDES permitting update.
 - **SACCWIS** Item
 - Report NRC and IAWG items formally on the agenda every time.
 - **NRC** Item
 - Report IAWG and SACCWIS items formally on the agenda every time.
- **Action Item: Look at alternatives listed in minutes and consider others.**
 - Consider questions as well
 - Refine it to say “Engineering” feasibility (safety implications), “Cost” feasibility, “Permitting” feasibility.
- Engineering firm to give opinion of seismic issues in reports.
- One consultant for each phase
 - 1st phase consultant will not be contracted for 2nd phase
 - Not going to decide on consultant for phase 2 until concerns are addressed. Phase 2: to be determined.
- Chair will take list of six potential contractors to Executive Director for selection (will then short list to three)
 - Those three would respond to bid process and info to be shared with this committee (electronically)
 - Interested in technical info of RFP
 - **Action Item: comments on short list needed within two weeks to Dominic and Joanna.**
 - Dominic will provide list of committee members to committee, send comments to whole committee
 - May have RFP by Sept.
- Last meeting notes:
 - Clarification of use of sea water for auxiliary operations-is continuous

- Ex parte communications limited but not prohibited
 - Approved with changes.
- Public Comments:
 - Alex with Shaw Group
 - Item 6, 7, 8 – wanted to understand better
 - Have hydroelectric experience
 - 6000 enviro professionals
 - Millstone project in Connecticut
- Next Meeting: determine non-technical components to be discussed publicly after bids are closed.
- 2 ½ months from now we may have technical proposals
 - Meet when technical proposals are in.
 - Will determine if it can be a closed session or not.