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
  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

**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.