

**New Jersey Drinking Water Quality Institute
Radon Ad-Hoc Subcommittee Meeting Minutes
November 13, 2006**

Members Present: Russell Ford (Co-Chair), Judy Klotz (Co-Chair), Barker Hamill, Leslie McGeorge, Perry Cohn, Steve Jenniss, Jean Matteo, Carol Storms

Members Excused: Steve Jenniss

Non-Members Present: From DEP – Jenny Goodman and Pat Gardner (Radon Program), Judy Louis and Branden Johnson (DSRT), Karen Fell (BSDW); From USGS - Zoltan Szabo

1. Opening

The meeting began at 1:30

2. Review of August 15, 2006 Minutes

The minutes of the August 15, 2006, meeting were reviewed. There were a number of comments. Revisions will be made and the minutes will be circulated on email for approval.

3. Summary of Point of Entry Capacity and Cost Data - Prepared by Bureau of Safe Drinking Water

Based upon the request made at the August 15, 2006, meeting, the Bureau of Safe Drinking Water prepared draft information about costs of treatment and the number of points of entry (POE) that might need treatment. The general intent was to find the average capacity of a point of entry for each county. POE size was broken into very small, small, medium, large and very large. Preliminary costs were gathered.

After discussion on the cost figures presented, R. Ford stated he would provide additional information to help determine the costs based on his experience. It was noted that some points of entry already have air stripping on as part of their treatment train for purposes other than radon removal, and it may be appropriate to exclude them. An attempt should be made to arrive at both average and median values.

It was discussed that routine monitoring of nontransient noncommunity water systems is not required as part of the final federal radiological rule nor as part of the draft federal radon rule. The DWQI will have to decide whether to recommend radon sampling and treatment for nontransient noncommunity water systems.

The possibility of using storage as part of the treatment train was briefly discussed.

It was discussed that it may be appropriate to break costs down into both per point of entry and per 1000 gallons treated.

After discussion, it was agreed the costs would be further explored and presented at the next Subcommittee meeting.

4. Risk from Radon in Water – Prepared by the Bureau of Environmental Radiation

P. Gardner and J. Goodman presented statistics on risk from radon in water for “ever smokers” (someone who has smoked at least 100 or more cigarettes) and “never smokers” as well as total population. A chart showing “lives lost over 70 years” based on concentrations was also presented and discussed. Population weighted average was presented. After discussion, it was agreed they would develop information to show “number of lives saved” based on concentration.

5. Comparison Charts and Regulatory Approach

Preliminary information prepared by the Bureau of Safe Drinking Water was presented to show the number of points of entry, by size type, and the costs if the regulatory level was set at 300 pCi/L and if the regulatory level was set at 2000 pCi/L. The information was reviewed by the Subcommittee. There were some questions about the cost figures based on earlier discussions today. The Subcommittee also discussed that there would be a need to determine how to measure success or effectiveness of a multi-media approach if one is recommended.

6. Adjournment

The meeting was adjourned at approximately 4:00. Tentative dates in January were selected for the next meeting and will be firmed up in the coming week.

Minutes prepared by
Karen Fell
Bureau of Safe Drinking Water
November 22, 2006