

DRAFT

**COMMISSION ON RADIATION PROTECTION
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Minutes of a regular meeting, conducted virtually via Microsoft TEAMS, at 9:30 a.m. on
September 20, 2023

The following Commission members were virtually present: Dr. Julie Timins (Chair), Mary E. Moore (Vice-Chair), Pat Mulligan, John Mauro, Justin Baker, Laraine Koehler, Bob Tokarz, Roger Howell and Donald Denny.

Also, virtually present: DAG Elizabeth Delahunty, PSEG staff: Kieran Brown, Shelley Caggiano, Lawrence Johnson, George Harder and Karen Dillon, Flight Dental staff: Joey Moran, Dr. Michael Hugh, Joseph Hugh, Ecotron staff: Ari Kontkan, David Kim, and Sun Bun Kim.

Radiation Protection Staff members virtually present: Ramona Chambus, Jennifer Daino, Jenny Goodman, Diane Halaycio, Mary Kanewski, Rachel McVeigh, James McCullough, Robert Cooper, Nathan Papperman and Arthur Robinson,

Call to Order

Dr. Timins called the meeting to order at 9:31 a.m. and announced that notice of the meeting complied with the Open Public Meetings Act. The Notice was published in the Courier Post, Trenton Times, and Bergen Record. The Notice was filed with the Secretary of State and posted in at least one place reserved for such or similar announcements.

Roll Call

A quorum was met with nine Commission members in attendance.

Election of Officers

Ms. Moore nominated Dr. Timins as Chair. Dr. Denny seconded the nomination. (9 in favor, 0 opposed, 0 objections, 0 abstentions).

Dr. Denny nominated Ms. Moore as Vice Chair. Mr. Tokarz seconded the nomination. (9 in favor, 0 opposed, 0 objections, 0 abstentions)

Dr. Timins nominated Mr. Mulligan as Secretary. Ms. Moore seconded the nomination. (9 in favor, 0 opposed, 0 objections, 0 abstentions)

Re-Adoption of By-Laws

Bob Tokarz motioned to adopt by-laws without further discussion. Dr. Denny seconded the motion. (9 in favor, 0 opposed, 0 objections, 0 abstentions)

June 14, 2023 - CORP Minutes:

Ms. Koehler moved to approve the minutes for the June CORP. Dr. Denny seconded the motion. Minutes were approved (8 in favor, 0 opposed, 0 objections, 1 abstentions).

Report of the Chair

Dr. Timins introduced Dr. Peixue Ma as the new CORP member from the Department of Health. Dr. Timins gave a brief summary of his educational background and experience relating to radiation protection. Dr. Ma was unable to attend the meeting.

Report of Commission Members

Mr. Mauro gave a brief summary of a CDC report he co-authored that is being published in the journal *Health Physics* regarding the fallout consequences associated with an improvised nuclear device being detonated in an urban area.

Old Business:

Exemption Request: Flight Dental Systems, X-Vision, XR-3800, Handheld Dental X-ray Unit

Ms. Diane Halaycio presented information on the exemption request for Flight Dental X-Vision XR-3800 hand-held dental unit from certain provisions of New Jersey Administrative Code (N.J.A.C.) 7:28-16.3(a)11, 16.3(a)21, 16.10(a)2 and 16.10(a)4. At its November 16, 2022 Commission meeting, the Commission tabled the exemption request so that Flight could make changes to its User's Manual, Training Manual and Operator Quiz. Commission members were provided with a detailed Commissioner's Memorandum, a revised User's Manual, a revised Training Manual, and a revised Operator Quiz with answer key in advance of the meeting. In attendance from Flight Dental, via Microsoft TEAMS was Dr. Michael Hui, Mr. Joseph Hui and Mr. Joey Morin.

Commission members discussed the revised User's and Training Manuals. After considerable discussion, Commission members agreed to approve Flight Dental X-Vision XR-3800 hand-held dental unit on the condition that specified corrections are made to the Training and Operator's Manual, and the finalized manuals are reviewed by the Bureau of X-ray Compliance and by Dr. Timins (Chair) and Ms. Moore (Vice Chair). Specifically, Flight Dental must revise the Training manual to cite the reference for the graph on page 9, amend the definition for ALARA and change "radioactive source" to "radiation source" on page 9, clarify the photos on page 13 and 14 by adding captions to clarify correct and incorrect positioning of the hand-held dental unit, and correct the text for the "Ready button and Indicator Light" on page 17. Specifically for the User manual, on page 8, regarding the "Ready button and Indicator Light," that text should be revised in accord with the text correction in the Training manual on Page 17. Within 30 days upon receipt of the Bureau's email to the Flight Dental representative, these revisions should be submitted to the Bureau for review.

Dr. Denny moved to conditionally approve the exemption request. Dr. Howell seconded the motion. Exemption request was conditionally approved (9 in favor, 0 opposed, 0 objections, 0 abstentions)

New Business:

Exemption Request: PSEG Arc chute electrical hardware

Public Service Electric and Gas Company (PSEG) requested an exemption from licensing requirements while disassembling and disposing of circuit breakers with ceramic arc chute components containing TENORM. The submittal was reviewed by Bureau of Environmental Radiation staff and forwarded to CORP. BER recommended approval with two conditions. Mr. Tokarz moved to approve the exemption request with the recommended two conditions. Ms. Koehler seconded the motion. Exemption request was approved (9 in favor, 0 opposed, 0 objections, 0 abstentions). Following this, a letter approving the exemption was signed by Mr. Mulligan on September 26, 2023.

Exemption Request: University Radiology Gonadal Shielding

Mr. Nathan Papperman presented information for University Radiology Group, LLC (Facility ID 111055) gonadal shielding exemption request for abdomen and pelvic procedures from the requirements of New Jersey Administrative Code (N.J.A.C.) 7:28-15.9(a)3. Commission members were provided with a detailed Commissioner's Memorandum.

After discussion and careful consideration, the Commission approved University Radiology Group, LLC's gonadal shielding exemption request for abdomen and pelvic procedures from the requirements of N.J.A.C. 7:28-15.9(a)3.

Dr. Denny moved to approve the exemption request. Dr. Timins seconded the motion. Exemption request was approved (8 in favor, 0 opposed, 0 objections, 1 abstentions). Mr. Tokarz abstained due to conflict of interest.

Exemption Request: Ecotron Co., Ltd., DT-703 Handheld Dental X-ray Unit

Mr. Robert Cooper presented information on the exemption request for Ecotron Co., Ltd. DT-703 hand-held dental unit from certain provisions of New Jersey Administrative Code (N.J.A.C.) 7:28-16.3(a)11, 16.3(a)21, 16.10(a)2 and 16.10(a)4. Commission members were provided with a detailed Commissioner's Memorandum, the Exemption Request Letter, the FDA 510(k) Letter, a Radiation Scatter Survey, an Operator's Manual, an Operator Exam with answer key, and the Radiation Survey and Accuracy Report that were performed by the Bureau in advance of the meeting. In attendance from Ecotron Co. Ltd., via Microsoft TEAMS was Mr. Ari Kontkanen, Mr. Dave Kim, and Mr. Sang Bong Lee.

After reviewing the User's Manual and the Radiation Scatter Survey several Commission members found some areas of concern. For the User's Manual there were concerns with the wording and lack of clarity in the manual. Specific examples were cited and noted which would need further clarification and revision from Ecotron, specifically wording, grammatical corrections, and definitions of abbreviations. For the Radiation Scatter Survey submitted by

Ecotron, several Commission members had major concerns with the high exposure rates noted in the survey. In response to the Commission's concerns, Mr. Ari Kontkanen stated that the survey that was submitted was for an older DT-703 and that the shielding design had been changed in response to that survey. Mr. Kontkanen stated that the DT-703 unit submitted to the Bureau was the model created after the shielding design was changed. It was requested by Dr. Timins that a Scatter Survey for the current model be submitted for review. Mr. Tokarz raised a concern over the User's manual, Section 9, Maintenance Procedure, 9.2.2 Maintenance Schedule on how the Bureau will enforce these requirements. Within two weeks upon receipt of the Bureau's email to the Ecotron representative, the manual revisions and the Scatter Survey for the current model should be submitted to the Bureau for review .

Mr. Tokarz moved to table the exemption request. Ms. Moore seconded the motion. The motion to table the exemption request was approved (9 in favor, 0 opposed, 0 objections, 0 abstentions)
Radiologic Technology Board of Examiners: July 2023 Meeting Minutes

Mr. Robinson stated that the Board minutes are informational and that no action was required by the Commission.

BXC FY 24 Rule Revision Discussion: Subchapters 3 (Registration of Ionizing Radiation-Producing Machines), 14 (Therapy Installations), 15 (Medical Diagnostic X-ray Installations), and 16 (Dental Radiographic Installations)

Ms. Rachel McVeigh discussed the FY 24 BXC Rule Revisions for Subchapters 3, 14, 15 and 16. She advised that stakeholders meetings will be conducted on October 4 and 11, 2023.

Closed Session

None to Report

Public Comment

None to report

Adjournment

The meeting adjourned at 12:19 p.m. Audio recording of the meeting is available for review. Copies of the abbreviated minutes are available by contacting Jennifer Daino at jennifer.daino@dep.nj.gov

Patrick Mulligan

Patrick Mulligan, Assistant Director
Commission Secretary

10/18/2023

Date

My signature indicates that the above minutes of the September 20, 2023, Commission meeting are reflective of the activities of such meeting and were approved by at least a majority vote at a subsequent meeting of the Commission as indicated by the date above.