

ALMERA Training Workshop on the Determination of Organically Bound Tritium in Food Samples Using Liquid Scintillation Counting

Organized by the Canadian Nuclear Safety Commission (CNSC), in collaboration with the International Atomic Energy Agency (IAEA)

Hosted at the CNSC Headquarter and at the CNSC Laboratories, Ottawa, Canada

26 – 30 September 2016

TENTATIVE TRAINING PROGRAMME

Monday, 26th September 2016, CNSC Headquarter:

08:00 – 8:30: Departure from the Hotel to the CNSC Headquarter

8:30 – 9:00: Registration at CNSC Headquarter

9:00 – 9:30: Opening session: Introduction and welcome address by CNSC representative and IAEA representative

9:30 – 9:45: Introduction of participants

9:45 - 10:00: Coffee/Tea Break

10:00 - 10:45: Overview of the CNSC/DERPA activities CNSC Management

10:45 - 11:15: Overview of the IAEA's ALMERA network activities IAEA representative

11:15 - 11:30: Overview of the training course programme CNSC Lab Staff

11:30 – 12:00: Group photo All participants

12:00 - 13:00: Lunch

13:00 – 13:30 Organically Bound Tritium: Overview and Regulatory Aspects CNSC Staff

13:30 - 14:00 Safety in the laboratory CNSC Lab Staff

14:00 – 15:00: Presentation of the sample preparation methods CNSC Lab Staff

15:00 - 15:30: Coffee/Tea Break

15:30 – 16:30: Presentation of the sample measurement process CNSC Lab Staff

16:30 – 17:00: Wrap-up and briefing for following day CNSC Lab Staff

17:00: Departure from the CNSC Headquarter to the Hotel

Tuesday, 27th September 2016, CNSC Laboratories:

08:00: Departure from the Hotel to the CNSC Laboratories

08:45 – 9:15: Welcome address and Laboratory Safety Briefing by the CNSC Laboratory representative

09:15 - 12:00: Laboratory work by groups – Sample preparation CNSC Lab Staff

12:00 - 13:00: Lunch

13:00 - 16:00: Laboratory work by groups – Sample drying CNSC Lab Staff

16:00 - 16:30: Wrap-up of the laboratory work and briefing for following day CNSC Lab Staff

16:30: Departure from the CNSC Laboratories to the Hotel

※ **Hospitality dinner sponsored by CNSC (2nd or 3rd day of the training)**

Wednesday, 28th September 2016, CNSC Laboratories:

08:00: Departure from the Hotel to the CNSC Laboratories

08:45 - 12:00: Laboratory work by groups – Sample combustion methods CNSC Lab Staff

12:00 - 13:00: Lunch

13:00 - 16:00: Laboratory work by groups –Sample distillation and initiation of measurement using liquid scintillation counting CNSC Lab Staff

16:00 - 16:30: Wrap-up of whole laboratory work and briefing for following day CNSC Lab Staff

16:30: Departure from the CNSC Laboratories to the Hotel

Thursday, 29th September 2016, CNSC Laboratories:

08:00: Departure from the Hotel to the CNSC Laboratories

08:45 - 10:00: Collection of the raw data from measurement using liquid scintillation counting
CNSC Lab Staff

10:00 - 12:00: Data analysis: Calculation of massic activity and estimation of measurement result uncertainty
CNSC Lab Staff

12:00 - 13:00: Lunch

13:00 - 16:00: Visit of the CNSC Laboratory facilities
CNSC Lab Staff

16:00 - 16:30: Wrap-up and briefing for following day
CNSC Lab Staff

16:30: Departure from the CNSC Laboratories to the Hotel

Friday, 30th September 2016, CNSC Laboratories:

08:00: Departure from the Hotel to the CNSC Laboratories

08:45 - 10:00: Discussion of method and measurement results
CNSC Lab Staff

10:00 - 10:30: Coffee/Tea Break

10:30 - 11:00: Conclusions and recommendations
All participants

11:00 - 11:30: Course evaluation and certificate handout
All participants

11:30 - 12:00: Closing remarks by CNSC Management/Lab representative and IAEA representative

12:00: Departure from the CNSC Laboratories to the Hotel

Afternoon free or social event (tentative) (depending on flight departure from participants)