**Tentative Training Programme for the ALMERA Practical Training Course on Rapid Determination of Radiostrontium in Milk Using Cerenkov and Scintillation Counting**

*Korea Institute of Nuclear Safety, Daejeon, Republic of Korea*

**3–7 November 2014**

**Monday, 3rd November 2014:**

- 09:00 - 09:15: Welcome to the training course
  - KINS officials
- 09:15 - 09:45: Presentation of the training course programme
  - A. Pitois (IAEA), KINS staff
- 09:45 - 10:00: Introduction of participants
  - All participants
- 10:00 - 10:15: Coffee/Tea Break
- 10:15 - 11:00: Safety in the laboratory
  - KINS staff
- 11:15 - 12:30: Detailed presentation of the analytical procedure through photos of the different steps
  - A. Pitois (IAEA)
- **12:30 - 13:30: Lunch**
- 13:30 - 18:00: Laboratory work – Preparation of the milk samples from the spiked milk powder and separation of the cations from the milk sample
  - KINS staff, A. Pitois (IAEA)

**Tuesday, 4th November 2014:**

- 09:00 - 12:30: Laboratory work – Radiochemical separation
  - KINS staff, A. Pitois (IAEA)
- **12:30 - 13:30: Lunch**
- 13:30 - 16:00: Laboratory work – Radiochemical separation
  - KINS staff, A. Pitois (IAEA)
- 16:00 - 18:00: Presentation of the radiochemical separation, chemical recovery step, source preparation and basic counting principle by Cerenkov and LSC
  - A. Pitois (IAEA)

※ Hospitality dinner sponsored by KINS
Wednesday, 5th November 2014:

09:00 - 12:30: Laboratory work – Chemical recovery, source preparation and Cerenkov analysis  
KINS staff, A. Pitois (IAEA)

12:30 - 13:30: Lunch

13:30 - 15:15: Detailed principles of Cerenkov and Liquid Scintillation Counting, and of the calibration of the instrument  
A. Pitois (IAEA), KINS staff

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

15:30 - 16:45: Presentation of the principles for calculation of 89Sr and 90Sr activities and measurement results uncertainty estimation  
A. Pitois (IAEA)

16:45 - 18:00: Initiation of the Liquid Scintillation Counting analysis  
KINS staff

Thursday, 6th November 2014:

09:00 - 10:00: Analysis of the Cerenkov and Liquid Scintillation Counting spectra in the measurement room  
KINS staff, A. Pitois (IAEA)

10:00 - 10:15: Coffee/Tea Break

10:15 - 12:30: Calculation of 89Sr and 90Sr activities  
A. Pitois (IAEA)

12:30 - 13:30: Lunch

13:30 - 15:30: Calculation of 89Sr and 90Sr activities  
A. Pitois (IAEA)

15:30 - 15:45: Coffee/Tea Break

15:45 - 18:00: Measurement results uncertainty estimation on 89Sr and 90Sr activities  
A. Pitois (IAEA)

Friday, 7th November 2014:

09:00 - 12:30: Visit to the selected KINS facilities  
KINS staff

12:30 - 13:30: Lunch

13:30 - 14:30: Wrapping up on activity calculations and uncertainty estimation  
A. Pitois (IAEA)

14:30 – 16:00: Discussion and comparison of results, limitations of the method,  
A. Pitois (IAEA)

16:00 - 16:15: Coffee/Tea Break
16:15 - 16:45: Debriefing of the training course    All participants

16:45 – 17:00: Evaluation of the training course    All participants

17:00 - 17:30: Conclusions from the host institution KINS and IAEA, Group photographing
               KINS staff, A. Pitois (IAEA)