**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)