

## Agenda of 4<sup>th</sup> TAC meeting, 2018

Date: 5-7 March, 2018

Place: MITA NN Hall, B1F of MITA NN Building, Minato-ku, Tokyo Japan

Objectives of 4<sup>th</sup> TAC:

- 1) Confirming the technical quality of NUMO's studies since 3<sup>rd</sup> TAC
- 2) Confirming that NUMO is ready to apply for AESJ review in April
- 3) Special topic: setting parameters for RN release and transport models
- 4) Identifying key points to be improved before initiation of NEA review

|   | <b>Contents</b>  | <b>Speakers</b>                                 | <b>Schedule</b>   |  |
|---|--|---|-------------------|--|
| <b>Day 1</b><br>5 <sup>th</sup> March                                     | <b>Block 1 Introduction &amp; goals</b>  |   | 9:30-10:50        |  |
|   | 1. Welcome address   | 1. S. Kondo (NUMO)<br>T. Sasaki (TAC)           | 10 min.<br>5 min. |  |
|   | 2. Nationwide Map of Scientific Features for Geological Disposal               | 2. H. Saegusa (NUMO)                            | 25 min.           |  |
|   | 3. Status of NUMO Safety Case and Objectives of TAC meeting (incl. logistics)  | 3. T. Fujiyama (NUMO)                           | 40 min.           |  |
|   | • Quick overview of NUMO studies since 3 <sup>rd</sup> TAC                     |   |                   |  |
|   | • Tentative schedule of NUMO Safety Case                                       |   |                   |  |
|   | • Objectives of TAC meeting  |   |                   |  |
|   | Coffee Break   |   | 15 min.           |  |
|   | <b>Block 2 Progress since 3<sup>rd</sup> TAC</b>                               |   |                   |  |
|   | 2.1 Development of model groundwater chemistries                               | K. Ota (NUMO)                                   | 11:05-12:15       |  |
| Lunch   |  | 60 min.   |                   |  |
| 2.2 Long-term safety assessment   | K. Fujisaki (NUMO)   | 13:15-14:45                                     |                   |  |
| (1) Frame of safety assessment and description of system evolution        |  |   |                   |  |
| Coffee Break  |  | 15 min.   |                   |  |
| (2) Selection of scenarios and definition of calculation cases            | K. Fujisaki (NUMO)   | 15:00-16:30                                     |                   |  |
| (3) Parameter setting   | T. Hamamoto (NUMO)   | 16:30-17:15                                     |                   |  |
| <b>Day 2</b><br>6 <sup>th</sup> March                                     | (3) Parameter setting (continue)   | T. Hamamoto (NUMO)                              | 9:00-10:00        |  |
|   | Coffee Break   |   | 15 min            |  |
|   | (4) Assessment of scenarios (likely, less-likely, unlikely, human intrusion)   | K. Ishida (NUMO)                                | 10:15-11:15       |  |
|   | (5) Discussion on RN release & migration models / parameters                   | T. Hamamoto (NUMO)<br>Lead by I. McKinley (TAC) | 11:15-12:00       |  |
|   | Lunch  |   | 60 min.           |  |
|   | (continued) Overall discussion on Long-term safety assessment                  | All   | 13:00-13:30       |  |
|   | 2.3 Confidence building of the safety case                                     | T. Fujiyama (NUMO)                              | 13:30-14:45       |  |
|   | (1) Structure of chapter 7, Synthesis of arguments                             |   |                   |  |
|   | Coffee Break   |   | 15 min.           |  |
|   | (2) Impact on repository performance in the case of high-carbonate groundwater | T. Kunimaru and<br>T. Hamamoto (NUMO)           | 15:00-16:00       |  |
| (3) Argumentation of safety for 10 <sup>6</sup> years after closure       | K. Ishida (NUMO)   | 16:00-16:30                                     |                   |  |
| (4) Argumentation of long-term safety based on multiple safety indicators | K. Ishida (NUMO)   | 16:30-17:15                                     |                   |  |

|                       |  |                                  |             |
|-----------------------|--|----------------------------------|-------------|
|                       | (5) Supporting arguments from natural analogues    | T. Fujiyama (NUMO)               | 17:15-17:45 |
|                       | Buffet reception (12F NUMO)                        |                                  | 18:00-      |
| <b>Day 3</b>          | <b>Block 3 TAC closed session and wrap up</b>      |                                  |             |
| 7 <sup>th</sup> March | 4.1 TAC closed session                             | All TAC members                  | 9:00-11:45  |
|                       | Lunch  |                                  | 60 min.     |
|                       | 4.2 Summary of TAC key observations                | T. Sasaki &<br>I. McKinley (TAC) | 12:45-13:15 |
|                       | 4.3 Discussion and actions for 5 <sup>th</sup> TAC | All                              | 13:15-13:50 |
|                       | 4.4 Closing remarks                                | H. Umeki (NUMO)                  | 13:50-14:00 |