<table>
<thead>
<tr>
<th>Action Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Securing the work environment at the control room</td>
<td>Ordinary means of communication, improvement of reliability</td>
</tr>
<tr>
<td>Securing means for on-site communication</td>
<td>Alternate means of communication</td>
</tr>
<tr>
<td>Securing materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
</tr>
<tr>
<td>Deployment of heavy machinery for rubble removal</td>
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<tr>
<td>Capacity required for ventilation air-conditioning system equipment</td>
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<tr>
<td>Total capacity required</td>
<td>Capacity ensured</td>
</tr>
</tbody>
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**Outline of Action on Utility Companies’ Response to the Instructions**

- **Rokkasho reprocessing plant**
  - **Work environment of the control room**
    - Operating the main control room’s emergency ventilation and air conditioning system equipment to realize recirculation
    - Power supply vehicles (already prepared through emergency safety measures)
  - Improvement of operating procedures
  - Already improved.
  - **PHS and paging device**
    - The communication functions are secured by batteries, etc. for one to three hours even during SBO.
    - After that, communication via the emergency telephone system or PHS is secured by the use of three portable power generators.
  - **Alternate communication means**
    - **High level radiation protective suits**, etc.
    - A means of communication is secured by using transceivers (driven by dry battery) and messengers.
  - **Development of a system concerning radiation control measures**
    - A system has been established in which personnel other than the radiation control personnel perform contamination measurement of workers, etc. and materials and equipment management in order to assist the radiation control personnel.
  - **Deployment of heavy machinery**
    - One wheel loader (maximum breakout force: approx. 6.8 t) has been deployed.
    - Establishing a system in which employees of Japan Nuclear Fuel Limited can operate the heavy equipment
  - **Power source vehicle**
    - One 2,000 kVA car

- **Japan Nuclear Fuel Limited**
  - Approx. 1,300 kVA
  - Approx. 150 kVA
  - Approx. 1,450 kVA
<table>
<thead>
<tr>
<th>JAEA Tokai reprocessing plant</th>
<th>Securing work environment at the control room during station blackout (SBO)</th>
<th>Securing means for on-site communication</th>
<th>Securing materials and equipment such as high level radiation protective suits</th>
<th>Development of a system concerning radiation control measures in emergency</th>
<th>Deployment of heavy machinery for rubble removal</th>
<th>Securing power supply</th>
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<tr>
<td>&lt;Work environment of the control room&gt;</td>
<td>&lt;Securing the work environment at the control room, Power supply for operation of emergency ventilation air conditioning system equipment, Improvement of operating procedures&gt;</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
</tr>
<tr>
<td>The main control room for the separation and refinement plant and the verification technology development (reduction system) is not equipped with a ventilation system in its reprocessing system.</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>Total capacity required</td>
</tr>
<tr>
<td>During SBO, air locks will be provided for the control room doors and workers will wear half-face masks.</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>Capacity ensured</td>
</tr>
<tr>
<td>Equipment for purifying and circulating the air in the main control room is targeted for installation by the end of this fiscal year.</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>Power source vehicle &gt;</td>
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<td>&lt;Securing power supply&gt;</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>One 550 kVA car (for shared use between MP and Pu-Con)</td>
</tr>
<tr>
<td>Power will be fed from power source vehicles (already deployed in accordance with the emergency safety measures) to the air purification equipment that will be installed by the end of this fiscal year.</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>One 550 kVA car (for use in HAW)</td>
</tr>
<tr>
<td>&lt;Preparing operating procedures, etc.&gt;</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>One 550 kVA car (for use in HAW)</td>
</tr>
<tr>
<td>The operating procedures will be prepared by the end of this fiscal year when the air purification facilities are installed.</td>
<td>Ordinary means of communication, improvement of reliability</td>
<td>Alternate means of communication</td>
<td>Materials and equipment such as high level radiation protective suits</td>
<td>Development of a system concerning radiation control measures in emergency</td>
<td>Capacity required for ventilation air conditioning system equipment</td>
<td>Power source vehicle &gt;</td>
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- **Work environment of the control room:**
  - The main control room for the separation and refinement plant and the verification technology development (reduction system) is not equipped with a ventilation system in its reprocessing system.
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication
  - Materials and equipment such as high level radiation protective suits
  - Development of a system concerning radiation control measures in emergency

- **Securing the work environment at the control room, Power supply for operation of emergency ventilation air conditioning system equipment, Improvement of operating procedures:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication
  - Materials and equipment such as high level radiation protective suits
  - Development of a system concerning radiation control measures in emergency

- **Securing means for on-site communication:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication

- **Securing materials and equipment such as high level radiation protective suits:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication

- **Development of a system concerning radiation control measures in emergency:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication
  - Materials and equipment such as high level radiation protective suits

- **Deployment of heavy machinery for rubble removal:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication
  - Materials and equipment such as high level radiation protective suits

- **Securing power supply:**
  - Ordinary means of communication, improvement of reliability
  - Alternate means of communication
  - Materials and equipment such as high level radiation protective suits

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<table>
<thead>
<tr>
<th>Capacity required for emergency counter-measures</th>
<th>Capacity required for ventilation air conditioning system equipment</th>
<th>Total capacity required</th>
<th>Capacity ensured</th>
</tr>
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<tr>
<td>232 kVA (for shared use between MP and Pu-Con)</td>
<td>47 kVA</td>
<td>207 kVA</td>
<td>207 kVA (for use in HAW)</td>
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