

Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company: timeline of activities (2011)

Month	Day	Main Activities
May	24	The government decides to establish the Investigation Committee at a Cabinet meeting. The Prime Minister appoints Dr. Yotaro Hatamura as chairperson.
May	27	The Prime Minister appoints Dr. Kazuo Oike, Dr. Shizuko Kakinuma, Mr. Yukio Takasu, Mr. Toshio Takano, Mr. Yasuro Tanaka, Ms. Yoko Hayashi, Mr. Michio Furukawa, Mr. Kunio Yanagida and Mr. Hitoshi Yoshioka as committee members.
Jun.	7	First Session Address by the Prime Minister. Address by the Chairperson. The Committee determines management procedures and investigation items. The Chairperson appoints Mr. Seiji Abe and Dr. Masao Fuchigami as technical advisors. Hearing of explanations from the Nuclear and Industrial Safety Agency of the Ministry of Economy, Trade and Industry.
Jun.	17	Inspection of Tokyo Electric Power Company's Fukushima Daiichi and Daini Nuclear Power Stations.
Jun.	30	As above.
Jul.	8	Second Session The Committee arranges the handling of materials and information, relevant interview methods and other procedures. The Committee determines investigation and verification items (details). Hearing of explanations from Tokyo Electric Power Company.
Jul.	15	Inspection of the Tokai Daini Nuclear Power Station of the Japan Atomic Power Company, Ltd.
Jul.	24	The Chairperson has a meeting with Mr. John P. Holdren, Assistant to the US President for Science and Technology.
Jul.	27	The Chairperson has a meeting with Mr. Yukiya Amano, Director General of the International Atomic Energy Agency (IAEA).
Aug.	5	Inspection of the Onagawa Nuclear Power Station of the Tohoku Electric Power Company, Inc.
Aug.	19	Inspection of the Haramachi Thermal Power Plant of the Tohoku Electric Power Company, Inc.
Sep.	9	Inspection of the Hamaoka Nuclear Power Station of the Chubu Electric Power Company, Inc.
Sep.	27	Third Session Reports on the investigation status.
Oct.	14	Inspection of the Kashiwazaki Kariwa Nuclear Power Station of Tokyo Electric Power Company.
Oct.	28	Fourth Session Reports on the investigation status. Discussion for the Interim Report.
Nov.	9	Hearing of opinions of Toshitsuna Watanabe, Mayor of Okuma, and Katsutaka Idogawa, Mayor of Futaba.
Nov.	29	Fifth Session Discussion of the Interim Report plan.
Dec.	26	Sixth Session Summary and announcement of the Interim Report.

Establishment of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company

May 24, 2011
Cabinet Decision

1. Purpose

The government establishes the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company (hereinafter referred to as the “Investigation Committee”) with the aim of making policy proposals on measures to prevent further spread of the damage caused by the accident and a recurrence of similar accidents in the future. This will be done by conducting a multifaceted investigation in an open and neutral manner that is accountable to the Japanese public to determine the causes of the accident at the Fukushima Daiichi and Daini Nuclear Power Stations and the causes of the damage due to the accident.

2. Composition of the Investigation Committee

- (1) The members of the Investigation Committee shall be appointed by the Prime Minister from persons with academic and other various backgrounds.
- (2) The Prime Minister shall appoint the chairperson of the Investigation Committee from among its members.
- (3) The chairperson may appoint technical advisors to give the Investigative Committee advice on technical matters.
- (4) The Investigation Committee may, when necessary, ask any relevant minister including the Prime Minister, official of any relevant administrative organizations, officer or employee of relevant businesses, official of any international organization on nuclear energy, or any other relevant person, to attend a meeting with the Investigation Committee.

3. Responsibilities of the relevant ministers

- (1) All relevant ministers and officials of related administrative organizations shall fully cooperate with the operations of the Investigation Committee and shall not refuse requests from the Investigation Committee for materials and explanations without reasonable grounds.
- (2) The ministers concerned shall exercise their authority based on applicable laws to instruct the relevant businesses to fulfill any requests by the Investigation Committee’s for on-site investigations, materials and explanations.

4. Other matters

Administrative affairs pertaining to the Investigation Committee shall be conducted by the Cabinet Secretariat in cooperation with the relevant administrative organizations.

Rules on the establishment of the Secretariat of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company

May 31, 2011

Decision of the Prime Minister

ESTABLISHMENT AND DUTIES

Article 1. The Secretariat of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company (hereinafter referred to as the “Secretariat”) shall be established in the Cabinet Secretariat with the aim of assisting the investigation by the “Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company” and dealing with the administrative work of the Committee.

STRUCTURE

Article 2. The Secretariat shall have a secretary-general, counselor, senior planning officer and other necessary officials.

(2) The secretary-general shall manage the administrative work of the Secretariat.

(3) The counselor shall participate in the investigation, planning and development of important matters by following the instructions of the secretary-general.

(4) The senior planning officer shall be engaged in the administrative work related to the investigation, planning and development of technicalities by following the instructions of the secretary-general.

(5) The secretary-general, counselor, senior planning officer and other officials may be employed part-time.

POLICY AND TECHNICAL INVESTIGATION ADVISORS

Article 3. The Secretariat may have policy and technical investigation advisors.

(2) The policy and technical investigation advisors shall investigate and state their opinions on technical matters related to the jurisdiction of the Secretariat and handle the administrative work otherwise ordered by following the instructions of the secretary-general.

(3) The policy and technical investigation advisors may be employed part-time.

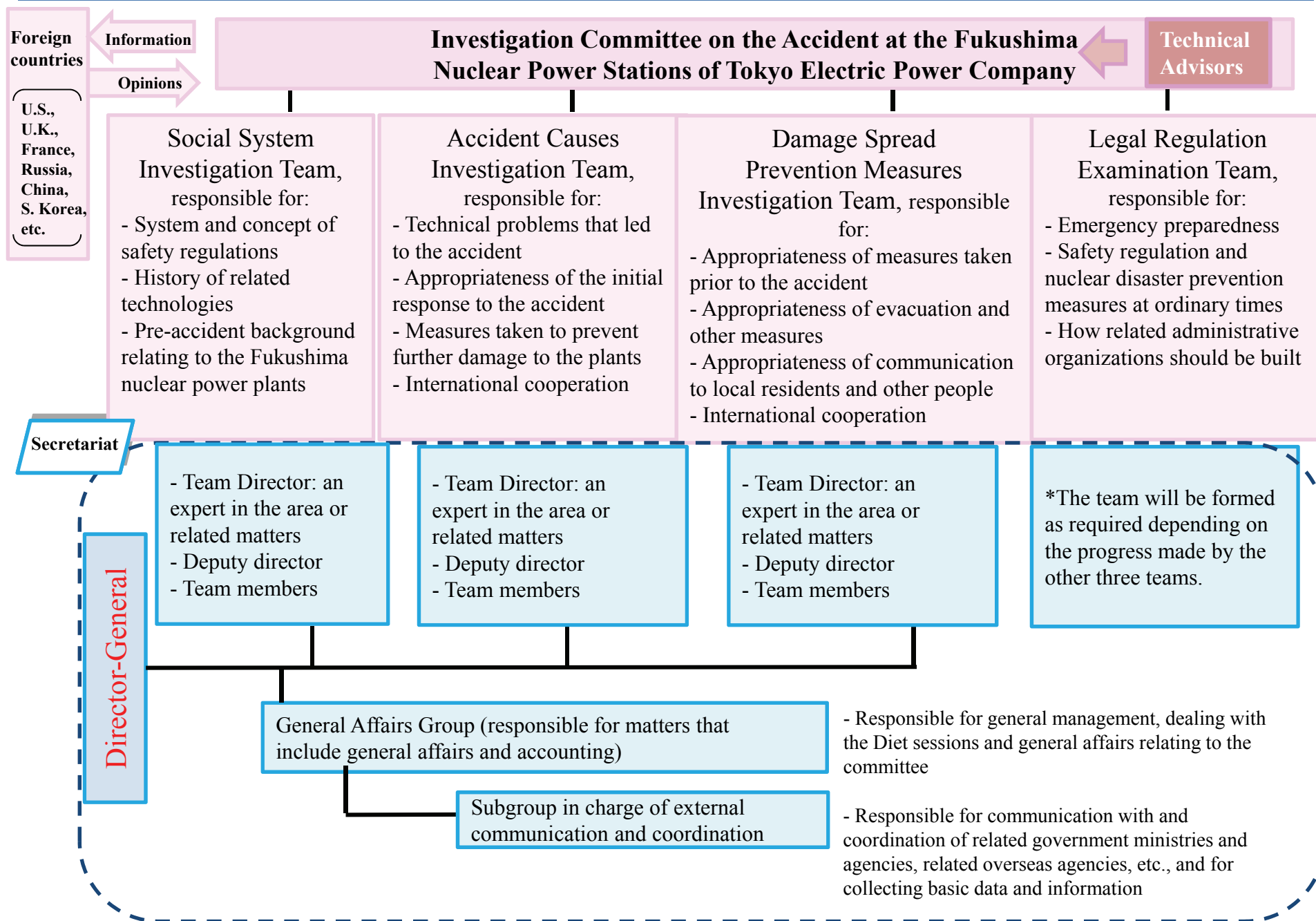
SUPPLEMENTARY RULE

Article 4. In addition to what is provided for in the preceding Articles, necessary matters in relation to the internal organization of the Secretariat shall be specified by the secretary-general.

SUPPLEMENTARY PROVISION

The rules herein shall be effective from June 1, 2011.

Structure of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company



List of experts (policy and technical investigation advisors) at the Secretariat of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company

Social System Investigation Team

【Team Director】

Dr. Hideyuki Horii

Professor, Department of Civil Engineering, Graduate School of Engineering, The University of Tokyo

(Area of specialization: sociotechnology, safety and security)

【Team Member】

Mr. Hideaki Shiroyama

Professor, Graduate School for Law and Politics, The University of Tokyo

(Area of specialization: public administration)

Accident Causes Investigation Team

【Team Director】

Dr. Seiichi Koshizuka

Professor, Department of Systems Innovation, Graduate School of Engineering, The University of Tokyo

(Area of specialization: computer simulation, severe accident analysis for nuclear reactors)

【Team Member】

Dr. Hiroyuki Oigawa

Director, Research Coordination and Promotion Office, Nuclear Science and Engineering Directorate, Japan Atomic Energy Agency

(Area of specialization: reactor physics)

【Team Member】

Dr. Yuji Nakasone

Professor, Department of Mechanical Engineering, Faculty of Engineering, Tokyo University of Science

(Area of specialization: strength of materials, computational solid mechanics)

Damage Expansion Prevention Measures Investigation Team

【Team Director】

Dr. Toshitaka Katada

Professor, Director, Research Center for Disaster Prevention in the Extended Tokyo Metropolitan Area, Gunma University

(Area of specialization: disaster information, evacuation behavior, disaster education)

【Team Member】

Dr. Katsuya Yamori

Professor, Disaster Prevention Research Institute, Kyoto University

(Area of specialization: disaster psychology, social psychology)

【Team Member】

Mr. Naoya Sekiya

Associate Professor, Department of Media and Communications, Faculty of Sociology, Toyo University

(Area of specialization: social psychology, disaster information theory)

**Management procedures of the Investigation Committee on the Accident
at the Fukushima Nuclear Power Stations of Tokyo Electric
Power Company**

June 27, 2011

Decision of the Investigation Committee on the Accident at the Fukushima Nuclear Power
Stations of Tokyo Electric Power Company

In addition to what is provided for in “Establishment of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company (Cabinet Decision on May 24, 2011),” the procedures of meetings and other matters concerning the administration of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power (hereinafter referred to as the “Investigation Committee”) shall be determined as follows:

DEPUTY CHAIRPERSON

Article 1. In the absence of the Chairperson, a Committee member nominated in advance by the Chairperson shall act on their behalf.

PROCEEDINGS OF THE INVESTIGATION COMMITTEE

Article 2. The Investigation Committee shall convene when summoned by the Chairperson.

(2) The Investigation Committee may not hold a meeting unless the majority of its members are present.

(3) In principle, decisions by the Investigation Committee shall be made with the unanimous agreement of all attendees. However, in the event that unanimous agreement is not reached, decisions shall be made by the majority of the members present at the discretion of the Chairperson.

DISCLOSURE OF PROCEEDINGS OF THE INVESTIGATION COMMITTEE

Article 3. In principle, proceedings of the Investigation Committee shall be

disclosed. However, they may not be disclosed in the event their disclosure is likely to be detrimental to the rights or interests of any third party or the public's interest, or otherwise approved by the Chairperson.

- (2) In principle, documents distributed at and proceedings of a meeting of the Investigation Committee shall be disclosed. However, they may not be disclosed in the event their disclosure is likely to be detrimental to the rights or interests of any third party or the public's interest, or otherwise approved by the Chairperson.

SUBCOMMITTEE

Article 4. The Investigation Committee may resolve to have

subcommittees if they are necessary for studying and deliberating specialized matters.

- (2) In addition to what is specified by the resolution described in the preceding paragraph, necessary matters for the administration of subcommittees shall be specified by the Chairperson.

PARTICIPATION OF TECHNICAL ADVISORS IN THE INVESTIGATION COMMITTEE

Article 5. Technical Advisors may attend the Investigation Committee meetings with the approval of the Chairperson to state their opinions on matters requested by the Chairperson.

INSTRUCTION FOR THE SECRETARIAT TO INVESTIGATE

Article 6. The Investigation Committee and the Chairperson may have the Secretariat conduct necessary investigations.

MISCELLANEOUS PROVISION

Article 7. In addition to what is provided for

in the preceding Articles, necessary matters for the administration of the Investigation Committee shall be specified by the Chairperson.

Information and informative materials to be handled without disclosure

July 8, 2011

Terms of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company

1. (1) The members and technical advisors (hereinafter referred to as “Members and Advisors”) of the Investigation Committee on the Accident at the Fukushima Nuclear Power Stations of Tokyo Electric Power Company (hereinafter referred to as the “Committee”) shall not disclose confidential information that becomes known to them during the investigation process of the Committee even after the completion of their roles as Members and Advisors.

(2) Information and informative materials obtained during the investigation process shall be kept securely in an appropriate place, such as the Secretariat of the Committee.

2. (1) In the event that the Committee is provided with information or informative materials from other parties on the condition that the information or informative materials are handled confidentially, it shall state specific reasons for their nondisclosure, including the possibility that the disclosure of such information or informative materials is not likely to be in the public’s interest or may be detrimental to the rights and interests of any party concerned (including parties other than the information provider. This applies hereinafter). The Committee shall handle such information and informative materials confidentially if the Committee finds reasonable grounds for nondisclosure.

(2) If the Committee finds reasonable grounds (e.g., the potential for the interest of the public or the rights and interests of the parties concerned to be compromised) for the nondisclosure of information or informative materials not falling under (1), the Committee shall handle the information or informative materials confidentially.

(3) With regard to (1) and (2), in times of urgency, the Chairperson of the Committee may use his discretion to determine whether the Committee should handle the

information or informative materials confidentially.

(4) When preparing the interim and final reports, the Committee shall treat such information and informative materials confidentially.

3. If other parties handle information or informative materials confidentially and do not comply with the Committee's request for their provision despite the Committee not finding any reasonable grounds for nondisclosure, the Committee shall take appropriate measures, such as disclosing to the public the response of the parties.

Methods of Interview

July 8, 2011

Terms of the Investigation Committee on the Accident at the Fukushima Nuclear Power
Stations of Tokyo Electric Power Company

1. Interviewer

In many cases, Secretariat members take the initiative in holding interviews as part of their fact-finding missions. Secretariat members, however, shall hold them together with the Committee members or technical advisors (hereinafter referred to as “Members and Advisors”) should they wish to participate.

NOTE: The Secretariat shall inform Members and Advisors of the details of an interview in advance, and those wishing to participate shall do so. However, some changes may be required depending on the number of Members and Advisors wishing to participate.

2. Method of Interviewing

(1) Interviews, in principle, shall be conducted in confidence and in small groups.

NOTE 1: Depending on respective interviewees, there are various reasons for the above, including the following, which are considered major reasons: 1.) To obtain a testimony of truth; 2.) In many cases, interviews deal with information which is inappropriate to publicly disclose (e.g. for reasons pertaining to public security); 3.) Interviews often deal with testimonies relating to personal privacy.

(2) With the exception of interviews concerning information specified in 2.) of NOTE 1, an interview shall be disclosed in an appropriate manner (e.g., disclosure to the media or by recording) with the consent of the interviewee.

NOTE 2: The reasons specified in NOTE 1 are to keep interviews confidential. However, if the interviewee agrees to the interview being made available to the public, it shall be conducted in an open manner or on the premise that it will be disclosed. This is because in such cases, the reasons specified in 1.) and 3.) of NOTE 1 will not pose a problem while the issue stated in 2.) will be resolved by

the exception stated in (2) of 2. (“with the exception of interviews concerning information specified in 2.) of NOTE 1”).

3. Recording of Interviews

When an interview that is not to be disclosed is held, the Secretariat member in charge shall compile the information delivered in the interview and create a transcript.

In addition, the interview shall be recorded with the consent of the interviewee on a digital voice recorder to ensure accuracy. If the interviewee does not agree or there is no time to arrange a digital voice recorder, the interview shall be held without being recorded, in which case, however, the Secretariat member in charge shall take notes as accurately as possible.

4. Handling of Interview Results

- (1) The Secretariat shall inform the Members and Advisors of the completion of each interview without delay.
- (2) The Secretariat shall inform the Members and Advisors of the content of interviews as necessary when it compiles and reports the investigation results to the Committee.
- (3) If the Members and Advisors ask to read the testimonies, in principle, the Secretary shall directly deliver copies of the testimonies to them by hand (or by an appropriate alternative method in order to prevent the information being leaked). If the Members and Advisors request the recordings of the testimonies, they shall listen to them at the Secretariat office.

5. Use of Interview Results

- (1) Interview results shall not be used to pursue liability.

The Committee is not established for the purpose of pursuing the liability of any party. Therefore, the Committee shall not use material (i.e., the content of testimonies) obtained from interviews for the purpose of pursuing the liability of

any party.

(2) When the Secretariat compiles the investigation results of interviews that are not to be disclosed about each individual's involvement in contributing to the causes of the accident and spread of damage, the Secretariat shall give due consideration so that no individual cooperating with the investigation shall be identified.

Although the Secretariat shall disclose as necessary transcripts obtained from interviews not to be disclosed, it shall not divulge any information that may identify the interviewee or which the interviewee requests not to be disclosed. As a recording is likely to identify the interviewee, no recording shall be disclosed as long as the interviewee requests its nondisclosure.

List of English Abbreviations

Abbreviation	English Term
ADS	Automatic Depressurization System
AEC	Atomic Energy Commission
AM	Accident Management
AMG	Accident Management Guideline
AOP	Abnormal Operating Procedures
AO弁	Air Operated valve
APD	Alarm Pocket Dosimeter
ARI	Alternative Rods Injection
BMU	Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit
BWR	Boiling Water Reactor
C/B	Control Building
CAMS	Containment Atmospheric Monitoring System
CCS	Containment Cooling System
CCSW	Containment Cooling Sea Water System
CDF	Core Damage Frequency
CFF	Containment Failure Frequency
CRD系	Control Rod Drive mechanism
CS	Core Spray System
D/DFP	Diesel-driven Fire Pump
DG	Diesel Generator
DGSW	Diesel Generator Sea Water System
DOE	United States Department of Energy
DSピット	Dryer Separator pit
D/W	Drywell
ECCS	Emergency Core Cooling System
EOC	Emergency Operation Center
EOP	Emergency Operating Procedures
EPZ	Emergency Planning Zone
ERC	Emergency Response Center
ERSS	Emergency Response Support System
FAO	Food and Agriculture Organization of the United Nations
FP	Fission Product
FP系	Fire Protection system

Abbreviation	English Term
FPC系	Fuel Pool Cooling system
HPCI	High Pressure Coolant Injection System
HPCS	High Pressure Core Spray System
HPCSDG	High Pressure Core Spray System Diesel Generator
IA系	Instrument Air system
IAEA	International Atomic Energy Agency
IC	Isolation Condenser
ICRP	International Commission on Radiological Protection
INES	The International Nuclear and Radiological Event Scale
IPE	Individual Plant Examination
IPEEE	Individual Plant Examination for External Events
JAEA	Japan Atomic Energy Agency
JAEA/NEAT	JAEA/Nuclear Emergency Assistance & Training Center
JAMSTEC	Japan Agency for Marine-Earth Science and Technology
JAXA	Japan Aerospace Exploration Agency
JNES	Japan Nuclear Energy Safety Organization
LPCI	Low Pressure Coolant Injection System
LPCS	Low Pressure Core Spray System
M	Magnitude
M/C	Metal-Clad Switch Gear
M/DFP	Motor-driven Fire Pump
MCC	Motor Control Center
MO弁	Motor Operated valve
MSIV	Main Steam Isolation Valve
MUWC系	Make-Up Water Condensate system
NEA	Nuclear Energy Agency
NRC	Nuclear Regulatory Commission
NUPEC	Nuclear Power Engineering Corporation
O.P.	Onahama Peil
O.P.	Onagawa Peil
OECD NEA	OECD Nuclear Energy Agency
P/C	Power Center
P/P	Physical Protection

Abbreviation	English Term
PAZ	Precautionary Action Zone
PRA	Probabilistic Risk Assessment
PSA	Probabilistic Safety Assessment
PSR	Periodic Safety Review
PWR	Pressurized Water Reactor
R/B	Reactor Building
RCIC	Reactor Core Isolation Cooling System
RHR	Residual Heat Removal System
RHRS	Residual Heat Removal Sea Water System
RPS	Reactor Protection System
RPT	Recirculation Pump Trip
RSK	Reaktor-Sicherheitskommission
RW/B	Radioactive Waste Disposal Building
S/C	Suppression Chamber
SA	Severe Accident
SARRY	Simplified Active Water Retrieve and Recovery System
SBO	Station Black Out
SCSIN	Service Central de Sûreté des Installations Nucléaires
SFP	Spent Fuel Pool
SGTS	Standby Gas Treatment System
SHC	Shutdown Cooling System
SLC	Standby Liquid Control System
SOP	Severe Accident Operating Procedures
SPDS	Safety Parameter Display System
SPEEDI	System for Prediction of Environmental Emergency Dose Information
SR弁	main Steam Relief valve
T.P.	Tokyo Peil
T/B	Turbine Building
TAF	Top of Active Fuel
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation
WBC	Whole Body Counter
WHO	World Health Organization
WSPEEDI	Worldwide Version of System for Prediction of Environmental Emergency Dose Information