

DA October 12, 1990
 BT1 Containers
 SO Environmental Protection Agency Glossary
 DEF (EPA) Open containers used to collect large particles from the air for measurement and analysis.

DUTY OFFICERS

(EMER)
 DA February 1, 1991
 BT1 Personnel
 RT Crisis Managers
 SO Emergency Preparedness
 DEF (EMER) Personnel with appropriate knowledge of emergency procedures to act as an intermediate crisis manager. Duty officers generally have a prescribed period of assigned duties.

DUVAS

DA October 12, 1990
 SEE Derivative Ultraviolet Absorption Spectroscopy
 SO Acronyms

DW

DA October 12, 1990
 SEE Drywell
 SO Acronyms

DWELLING

(1729 DWELLING)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 SO DOE FRASE VOCABULARY

DWMP

DA October 12, 1990
 SEE Defense Waste Management Plan
 SO Acronyms

DWPF

DA October 12, 1990
 SEE Defense Waste Processing Facility
 SO Acronyms

DWTM

DA October 12, 1990
 SEE Office of Defense Waste and Transportation Management
 SO Acronyms

DYSTROPHIC LAKES

(EPA)
 DA October 12, 1990
 BT1 Lakes
 BT2 Inland Waters
 BT2 Surface Waters
 BT3 Water
 BT2 Surface Water Resources
 BT3 Natural Resources
 RT Bogs
 RT Eutrophic Lakes
 RT Muck Soils

SO Environmental Protection Agency Glossary
 DEF (EPA) Shallow bodies of water that contain much humus and/or organic matter, that contain many plants but few fish and are highly acidic.

E&CF

DA October 12, 1990
 SEE Events and Causal Factors
 SO Acronyms

E&S

DA October 12, 1990
 SEE Error and Sensitivity
 SO Acronyms

E-MAD

DA October 12, 1990
 SEE Engine Maintenance Assembly and Disassembly
 SO Acronyms

EA (Emergency Actions)

DA October 12, 1990
 SEE Emergency Actions
 SO Acronyms

EA (Environmental Assessment)

DA October 12, 1990
 SEE Environmental Assessments
 SO Acronyms

EAR(S)

(1085 EAR)
 DA November 28, 1990
 BT1 Head
 BT2 Human Body Parts
 RT Ear Muffs
 RT Ear Plug(s)
 RT Hearing Impairment
 RT Hearing Protection
 SO DOE FRASE VOCABULARY

EAR MUFFS

(2656 EAR MUFFS)
 DA January 3, 1991
 RT Ear Plug(s)
 RT Ear(s)
 RT Hearing Impairment
 RT Hearing Protection
 SO DOE FRASE VOCABULARY

EAR PLUG(S)

(2657 EAR PLUG)
 DA January 3, 1991
 BT1 Hearing Protection
 BT2 Personal Protective Equipment
 BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT4 Equipment
 RT Ear Muffs
 RT Ear(s)
 RT Hearing Impairment
 SO DOE FRASE VOCABULARY

EARTH-LINED CHANNELS

(DOE Order 6430.1A)
 DA October 12, 1990
 BT1 Structures (DOE FRASE Vocabulary)
 RT Flumes
 SO Construction
 DEF (DOE Order 6430.1A) Open channel conveyance structures with sides and bottom constructed of naturally occurring earth materials.

EARTH MOVING EQUIPMENT

(2318 EARTH MOVING)
 DA December 10, 1990
 BT1 Material Handling Device
 BT2 Devices
 BT2 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)
 BT3 Equipment
 NT1 Dredge(s)
 SO DOE FRASE VOCABULARY

EARTHQUAKE MAGNITUDE

(USGS)
 DA October 12, 1990
 RT Bases
 RT Body Wave Magnitude
 RT Local Magnitude (M_L)
 RT Love Seismic Waves
 RT Moment Magnitude
 RT Primary Body Waves
 RT Rayleigh Seismic Waves
 RT Richter Magnitude (M_L)
 RT Surface Wave Magnitude
 RT Tectonic Deformations
 RT Tsunamis
 SO Natural Phenomenon
 DEF (USGS) A measure of the strength of an earthquake, or the strain energy released by it as calculated from the instrumental record made by the event on a calibrated seismograph.

EAS

DA October 12, 1990
 SEE Engineering Assistance Section
 SO Acronyms

EATING AREA

(1691 EATING AREA)
 DA December 10, 1990
 BT1 Area
 BT2 Sites/Areas
 NT1 Cafeteria
 RT Food Service Activity
 RT Kitchen
 RT Restaurant
 SO DOE FRASE VOCABULARY

EBF

DA October 12, 1990
 SEE Eccentric Braced Frames
 SO Acronyms

EBWR

DA October 12, 1990
 SEE Experimental Boiling Water Reactor
 SO Acronyms

ECC

DA October 12, 1990
 SEE Emergency Control Centers
 SO Acronyms

ECCENTRIC BRACED FRAMES

(SEA)
 DA October 12, 1990
 SF EBF
 BT1 Braced Frame
 BT2 Building Frame Systems
 BT3 Space Frames
 BT4 Structures (DOE FRASE Vocabulary)
 BT3 Systems
 SO Construction
 DEF (SEA) Steel braced frame designs.

ECCI

DA October 12, 1990
 SEE Emergency Core Cooling Injection
 SO Acronyms

ECCS

DA October 12, 1990
 SEE Emergency Core Cooling System
 SO Acronyms

ECOLOGICAL IMPACTS

(EPA)
 DA October 12, 1990
 BT1 Effects
 RT Cumulative Impact
 RT Ecology
 RT Environment
 RT Environmental Impact Statements
 SO Environmental Protection Agency Glossary
 DEF (EPA) Effects that a man-made or natural activity has on living organisms and their non-living (abiotic) environment.

ECOLOGY

(EPA)
 DA October 12, 1990
 RT Adaptations
 RT Animals
 RT Balanced Biological Communities
 RT Ecological Impacts
 RT Ecosystems
 SO Environmental Protection Agency Glossary
 DEF (EPA) The relationship of living things to one another and their environment, or the study of such relationships.

ECONOMIC POISONS

(FIFRA; CFR; EPA)
 DA October 12, 1990
 BT1 Poisons
 RT Pesticides

SO Environmental Management
 SO Environmental Protection Agency Glossary
 DEF (EPA) Chemicals used to control pests and to defoliate cash crops such as cotton.

ECOSPHERE

(EPA)
 DA October 12, 1990
 SY Biosphere
 BT1 Environment
 SO Environmental Protection Agency Glossary
 DEF (EPA) The "bio-bubble" that contains life on earth, in surface waters, and in the air.

ECOSYSTEMS

(EPA)
 DA October 12, 1990
 NT1 Tundra
 RT Biosphere
 RT Biotic Communities
 RT Ecology
 RT Environment
 RT Pesticides
 RT Populations
 RT Soils
 RT Targets
 SO Environmental Protection Agency Glossary
 DEF (EPA) Interacting systems of biological communities and their non-living environmental surroundings.

ECP

DA October 12, 1990
 SEE Engineering Change Proposal
 SO Acronyms

ECS (Emergency Control Station)

DA October 12, 1990
 SEE Emergency Control Stations
 SO Acronyms

ECS (Emergency Cooling System)

DA October 12, 1990
 SEE Emergency Cooling System
 SO Acronyms

ECT

DA October 12, 1990
 SEE Evaporator Condensate Tank
 SO Acronyms

ECW

DA October 12, 1990
 SEE Effluent Cooling Water
 SO Acronyms

ECWD

DA October 12, 1990
 SEE Effluent Cooling Water Drainage
 SO Acronyms

ED CHARGE

(NFI)
 DA October 12, 1990
 SO Nuclear Facilities Incident Database
 SO Radiation
 DEF (NFI) Enriched/depleted charge.

EDB

DA October 12, 1990
 SEE Ethylene Dibromide
 SO Acronyms

EDG

DA October 12, 1990
 SEE Emergency Diesel Generator
 SO Acronyms

EDUCATIONAL ORGANIZATIONS

DA February 5, 1991
 BT1 Organizations
 NT1 Central Training Academy
 NT1 Universities
 NT2 Iowa State University
 NT2 Massachusetts Institute of Technology
 NT2 North Carolina State University
 NT2 Stanford University
 NT2 University of Chicago
 NT2 University of California
 NT2 University of California-Irvine
 RT Administrative Organizations
 RT Commercial Organizations
 RT Research and Development Organizations

EED (construction)

DA October 12, 1990
 SEE Electroexplosive Devices
 SO Acronyms

EED (Equipment Engineering Department)

DA October 12, 1990
 SEE Equipment Engineering Department
 SO Acronyms

EEM

DA October 12, 1990
 SEE Essential Equipment Monitor
 SO Acronyms

EEMT MEMBER

(DOE Order 5500.5)
 DA January 24, 1991
 BT1 Personnel
 RT Energy Emergency Teams
 DEF (DOE 5500.5.h) The EEMT is composed of individuals appointed by their respective DOE offices who are knowledgeable in their policy areas and who are empowered to speak for and commit resources of their respective organizations.

EF

DA October 12, 1990

SEE End Fitting
SO Acronyms

EFC

DA October 12, 1990
SEE External Fission Counter
SO Acronyms

EFFECTIVE DATE

(CAA; CFR)
DA October 12, 1990
BT1 Time Designations
RT Primary Standard Attainment Date
SO Air Pollution
DEF (CFR) The date of promulgation in the Federal Register of an applicable standard or other regulation.

EFFECTIVE DOSE

DA January 8, 1991
SF HE (Effective Dose)
BT1 Doses

EFFECTIVE DOSE EQUIVALENT

(DOE Orders 5400.5, 5480.5, and 6430.1A; CAA; CFR; IAEA)
DA October 12, 1990
BT1 Dose Equivalents
BT2 Radiation Units
BT3 Units of Measure
NT1 Annual Effective Dose Equivalent
NT2 Cumulative Annual Effective Dose Equivalent
NT1 Collective Effective Dose Equivalent
NT1 Committed Effective Dose Equivalent
RT Derived Concentration Guide
RT Effective Dose Equivalent Commitment
RT Weighting Factors
RT Whole Body
SO Air Pollution
SO Construction
SO Emergency Preparedness
SO Environmental Management
SO Industrial Hygiene
SO Radiation
DEF The summation of the products of the dose equivalent received by specified tissues of the body and a tissue-specific weighting factor. This sum is a risk-equivalent value and can be used to estimate the health-effects risk of the exposed individual. The tissue-specific weighting factor represents the fraction of the total health risk resulting from uniform whole-body irradiation that would be contributed by that particular tissue. The effective dose equivalent includes the committed effective dose equivalent from internal deposition of radionuclides and the effective dose equivalent due to penetrating radiation from sources external to the body. Effective dose equivalent is

expressed in units of rem (or sievert).

EFFECTIVE DOSE EQUIVALENT COMMITMENT

(IAEA)
DA October 12, 1990
RT Effective Dose Equivalent
RT Sievert
SO Radiation
DEF (IAEA) The infinite time integral of the per capita effective dose equivalent rate resulting from a given event, decision or defined finite portion of a practice for a specified population.

EFFECTIVE HALF-LIFE (EMER)

DA October 12, 1990
BT1 Half-Life
BT2 Time Designations
RT Biological Half-Time
SO Emergency Preparedness
SO Radiation
DEF (EMER) Time required for a radioactive nuclide in a system to be diminished 50 percent as a result of the combined action of radioactive decay and biological elimination. Effective half-life = $\frac{\text{Biological half-life} \times \text{Radioactive half-life}}{\text{Biological half-life} + \text{Radioactive half-life}}$.

EFFECTS

DA January 30, 1991
SY Consequences
NT1 Acute Effects
NT1 Chilling Effect
NT1 Chronic Effects
NT1 Ecological Impacts
NT1 Effects on Welfare
NT1 Effects of the Action
NT1 Frostbite/Other Low Temp Effects
NT1 Genetic Radiation Effects
NT1 Greenhouse Effect
NT1 Heat Stroke/Other High Temp Effect
NT1 Heat Island Effects
NT1 Ionizing Radiation Effects
NT1 Known Human Effects
NT1 Non-Stochastic Effects
NT2 Non-Stochastic Radiation Effects
NT1 Orthogonal Effects
NT1 P-Delta Effect
NT1 Somatic Radiation Effects
NT1 Stack Effect
NT1 Stochastic Effects
NT2 Radiation Induced Hereditary Effects
NT2 Radiation Induced Genetic Effects
NT2 Stochastic Radiation Effects
NT1 Systemic Effects
NT1 Toxic Effects to Single System
NT1 Unacceptable Adverse Effects
RT Illnesses
RT Injuries
SO DOE FRASE VOCABULARY

EFFECTS OF THE ACTION

(ESA; CFR)
DA October 12, 1990
BT1 Effects
RT Actions
RT Biological Assessments
SO Endangered Species
DEF (CFR) The direct and indirect effects of an action on the species or critical habitat, together with the effects of other activities that are interrelated or interdependent with that action, that will be added to the environmental baseline. The environmental baseline includes the past and present impacts of all Federal, State, or private actions and other human activities in the action area, the anticipated impacts of all proposed Federal projects in the action area that have already undergone formal or early section 7 consultation, and the impact of State or private actions that are contemporaneous with the consultation in process. Indirect effects are those that are caused by the proposed action and are later in time, but still are reasonably certain to occur. Interrelated actions are those that are part of larger action and depend on larger action for their justification. Interdependent actions are those that have no independent utility apart from action under consideration.

EFFECTS ON WELFARE

(CAA)
DA October 12, 1990
BT1 Effects
RT Known Human Effects
SO Air Pollution

EFFICIENCY (COUNTERS)

(IAEA; NIH)
DA October 12, 1990
RT Dosimeters
RT Scintillation Counters
SO Radiation
DEF A measure of the probability that a count will be recorded when radiation is incident on a detector. Usage varies considerably so it is well to make sure which factors (window, transmission, sensitive volume, energy dependence, etc.) are included in a given case.

EFFLUENT COOLING WATER

DA January 8, 1991
SF ECW

EFFLUENT COOLING WATER DRAINAGE

DA January 8, 1991
SF ECWD

BT-Broader Term

NT-Narrower Term

RT Related Term

EFFLUENT LIMITATION GUIDELINES

(CWA; CFR; ESH)
 DA October 12, 1990
 BT1 Guidelines
 RT Effluent Limitations
 SO Environmental Management
 SO Hazardous Materials
 DEF (ESH) Any effluent issued by the Administrator pursuant to §304(b) of the Act.

EFFLUENT LIMITATIONS

(CWA; CFR; EPA; ESH)
 DA October 12, 1990
 BT1 Limits
 RT Discharges
 RT Effluent Limitation Guidelines
 SO Environmental Protection Agency Glossary
 SO Hazardous Materials
 DEF (EPA) Restrictions established by a State or EPA on quantities, rates, and concentrations in wastewater discharges. (ESH) Any restriction established by the Administrator of EPA on quantities, discharge rates, and concentrations of chemical, physical, biological, and other constituents which are discharged from point sources, other than new sources, into navigable waters, the waters of the contiguous zone or the ocean.

EFFLUENT MONITORING

(DOE Orders 5400.1, 5484.1, and 5400.5)
 DA October 12, 1990
 BT1 Environmental Monitoring
 BT2 Monitoring
 BT3 Activities
 RT Biomonitoring
 RT Effluents
 SO Environmental Management
 SO Management
 SO Wastes
 DEF The collection and analysis of samples, or measurements of liquid and gaseous effluents for the purpose of characterizing and quantifying contaminants, assessing radiation exposures of members of the public, providing a means to control effluents at or near the point of discharge, and demonstrating compliance with applicable standards and permit requirements.

EFFLUENTS

(DOE Orders 5400.1, 5484.1)
 DA October 12, 1990
 BT1 Discharges
 BT1 Emissions
 BT2 Air Pollutants
 NT1 Radioactive Effluents
 RT Effluent Monitoring
 RT Pollution
 RT Pollutants
 RT Solid Wastes

SO Construction
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 SO Management
 DEF (DOE) Treated or untreated air emissions or liquid discharges at a DOE site or from a DOE facility. Airborne and liquid wastes deliberately discharged from a DOE site or facility following such engineered waste treatment and all effluent controls, including onsite retention and decay, as may be provided. This term does not include solid wastes, wastes for shipment offsite, wastes that are contained (e.g., underground nuclear test debris) or stored (e.g., in tanks) or wastes that are to remain onsite through treatment or disposal. (EPA) Wastewater, treated or untreated, that flows out of a treatment plant, sewer, or industrial outfall. Generally refers to wastes discharged into surface waters.

EFS

DA October 12, 1990
 SEE Emergency Feedwater System
 SO Acronyms

EFDAP

DA October 12, 1990
 SEE End Fitting Delta Pressure
 SO Acronyms

EG&G

DA October 12, 1990
 SO Acronyms

EG&G ENERGY MEASUREMENTS, INC.

DA January 11, 1991
 BT1 Companies
 BT2 Commercial Organizations
 BT3 Organizations
 BT1 DOE Contractors
 BT2 Potentially Responsible Parties
 RT Nevada Test Site
 RT Nevada Operations Office

EG&G IDAHO, INC.

DA January 11, 1991
 BT1 Companies
 BT2 Commercial Organizations
 BT3 Organizations
 BT1 DOE Contractors
 BT2 Potentially Responsible Parties
 NT1 System Safety Development Center
 RT Idaho Operations Office
 RT Idaho National Engineering Laboratory

EG&G MOUND APPLIED TECHNOLOGIES, INC.

DA January 11, 1991
 BT1 Companies

BT2 Commercial Organizations
 BT3 Organizations
 BT1 DOE Contractors
 BT2 Potentially Responsible Parties
 RT Albuquerque Operations Office

EG (Emergency generators)

DA October 12, 1990
 SEE Emergency (Diesel) Generators
 SO Acronyms

EG (Engine-Generators)

DA October 12, 1990
 SEE Engine-Generators
 SO Acronyms

EGRESS

(DOE Order 6430.1A)
 DA October 12, 1990
 RT Entry Control Points
 SO Construction
 DEF (DOE Order 6430.1A) The act of departing from a point of access.

EH

DA October 12, 1990
 SEE Office of the Assistant Secretary for Environment, et. al.
 SO Acronyms

EIS

DA October 12, 1990
 SEE Environmental Impact Statements
 SO Acronyms

EIS IMPLEMENTATION PLANS

(DOE Order 5440.1D)
 DA May 14, 1991
 SF IP
 BT1 Implementation Plans
 BT2 Plans
 RT Environmental Impact Statements
 SO Environmental Management
 DEF (DOE Order) Brief written plans that provide guidance for the preparation of a DOE Environmental Impact Statement (EIS) (including a Supplemental EIS). The plans record the results of the scoping process and outline the procedures by which an EIS is to be prepared.

ELBOW(S)

(1097 ELBOW)
 DA November 28, 1990
 BT1 Joint(s)
 BT2 Human Body Parts
 RT Arm(s)
 RT Forearm Protection
 SO DOE FRASE VOCABULARY

ELECTRIC POWER RESEARCH INSTITUTE

DA January 8, 1991
 SF EPRI
 BT1 Institutes

BT2 Research and Development Organizations
 BT3 Organizations
 NT1 Nuclear Safety Analysis Center

ELECTRIC SHOCK
 (1318 ELEC SHO)
 DA November 28, 1990
 BT1 Injuries
 RT Electrical Burn(s)
 RT Electrocution
 RT Electrical Short
 SO DOE FRASE VOCABULARY

ELECTRICAL APPARATUS
 (2389 ELEC APPARAT)
 DA January 3, 1991
 BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

ELECTRICAL BURN(S)
 (1319 ELEC BURN)
 DA November 28, 1990
 BT1 Burn(s)
 BT2 Injuries
 RT Electric Shock
 RT Electrocution
 SO DOE FRASE VOCABULARY

ELECTRICAL BUS
 (2390 ELEC BUS)
 DA January 3, 1991
 BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

ELECTRICAL EQUIPMENT
 (SWDA; RCRA; ESA; CFR)
 DA October 12, 1990
 BT1 Equipment
 NT1 Capacitors
 NT2 Large High Voltage Capacitors
 NT2 Large Low Voltage Capacitors
 NT2 Small Capacitors
 NT1 Connectors
 NT1 PCB Transformers
 NT2 Mineral Oil PCB Transformers
 RT Alternating Current
 RT Bypasses
 RT Megger Testing
 RT Power Losses
 SO Wastes
 DEF Underground equipment that contains dielectric fluid that is necessary for the operation of equipment such as transformers and buried electrical cable.

ELECTRICAL INSULATOR(S)
 (2391 ELEC INSULAT)
 DA January 3, 1991
 BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

ELECTRICAL OFFICE MACHINE
 (2120 ELEC OFFICE)
 DA December 10, 1990
 BT1 Machines (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

ELECTRICAL SHORT
 (1528 ELEC SHORT)
 DA November 28, 1990
 BT1 Nature of Property Damage
 RT Electric Shock
 RT Electronic Damage
 SO DOE FRASE VOCABULARY

ELECTRICIAN
 (0643 ELECTRICIAN)
 DA November 28, 1990
 BT1 Repair/Construction Personnel
 BT2 Occupations
 BT2 Personnel
 SO DOE FRASE VOCABULARY

ELECTROCUTION
 (1320 ELECTROCUTIO)
 DA November 28, 1990
 BT1 Injuries
 RT Electric Shock
 RT Electrical Burn(s)
 SO DOE FRASE VOCABULARY

ELECTRODE(S)
 (2392 ELECTRODE)
 DA January 3, 1991
 BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

ELECTRODIALYSIS
 (EPA)
 DA October 12, 1990
 BT1 Processes
 RT Desalination
 SO Environmental Protection Agency Glossary
 DEF (EPA) A process that uses electrical current applied to permeable membranes to remove minerals from water. Often used to desalinate salty or brackish water.

ELECTROEXPLOSIVE DEVICES
 (DOE Order 6430.1A)
 DA October 12, 1990
 SF *EED (construction)*
 BT1 Devices
 NT1 Detonators
 SO Construction
 DEF (DOE Order 6430.1A) Devices containing some reaction mixture (explosive or pyrotechnic) that is electrically initiated. The output of the initiation is heat, shock, or mechanical action.

ELECTROMECHANICAL MANIPULATOR(S)
 (2559 EM)
 DA January 3, 1991
 BT1 Manipulator
 BT2 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
 BT3 Equipment
 BT3 Reactor Components
 SO DOE FRASE VOCABULARY

ELECTRON CAPTURE
 (NIH)
 DA October 12, 1990
 BT1 Beta Decay
 BT2 Radioactive Decay
 RT Electrons
 SO Radiation
 DEF (NIH) A mode of radioactive decay involving the capture of an orbital electron by its nucleus. Capture from the particular electron shell is designated as "K-electron capture," "L-electron capture," etc.

ELECTRON VOLT
 (IAEA; NIH)
 DA October 12, 1990
 RT Volts Alternating Current
 RT Volts Direct Current
 SO Radiation
 DEF A unit of energy equivalent to the amount of energy gained by an electron in passing through a potential difference of 1 volt. Abbreviated eV. Larger multiple units of the electron volt frequently used are: keV for thousand or kiloelectron volts, MeV for million electron volts and BeV for billion electron volts.

ELECTRONIC DAMAGE
 (1529 ELECTRONIC D)
 DA November 28, 1990
 BT1 Damage
 BT2 Nature of Property Damage
 RT Electrical Short
 SO DOE FRASE VOCABULARY

ELECTRONS
 (NIH)
 DA October 12, 1990
 BT1 Charged Particles
 RT Annihilation (Electron)
 RT Beta Particles
 RT Directly Ionizing Particles
 RT Electron Capture
 SO Radiation
 DEF (NIH) Negatively charged elementary particles which are a constituent of every neutral atom. Its unit of negative electricity equals 4.8×10^{-10} coulombs. Its mass is 0.00549 atomic mass units.

ELECTROSTATIC PRECIPITATORS
 (EPA)

DA October 12, 1990
 SF *ESP*
 BT1 Precipitators
 BT2 Control Devices
 BT3 Devices
 SO Environmental Protection Agency Glossary
 DEF (EPA) Air pollution control devices that remove particles from a gas stream (smoke) after combustion occurs. The ESP imparts an electrical charge to the particles, causing them to adhere to metal plates inside the precipitator. Rapping on the plates causes the particles to fall into a hopper for disposal.

ELEMENT 104 ISOTOPES

(EDB)
 DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances
 BT2 Nuclides
 SO Radiation

ELEMENT 105 ISOTOPES

(EDB)
 DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances
 BT2 Nuclides
 SO Radiation

ELEMENT 106 ISOTOPES

(EDB)
 DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances
 BT2 Nuclides
 SO Radiation

ELEMENT 107 ISOTOPES

(EDB)
 DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances
 BT2 Nuclides
 SO Radiation

ELEMENT 108 ISOTOPES

(EDB)
 DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances
 BT2 Nuclides
 SO Radiation

ELEMENT 109 ISOTOPES

DA March 29, 1991
 BT1 Radionuclides
 BT2 CERCLA Hazardous Substances
 BT3 Hazardous Substances

BT2 Nuclides
 SO Radiation

ELEMENTAL PHOSPHORUS PLANTS

(CFR)
 DA October 12, 1990
 BT1 Facilities
 RT Phosphate Rocks
 RT Phosphorus
 SO Air Pollution
 DEF (CFR) Facilities that process phosphate rock to produce elemental phosphorus using pyrometallurgical techniques.

ELEMENTARY NEUTRALIZATION UNITS

(SWDA; RCRA; CFR)
 DA October 12, 1990
 BT1 Devices
 RT Neutralization
 SO Environmental Management
 SO Wastes
 DEF (CFR) Devices which (a) are used for neutralizing wastes only because they exhibit the corrosivity characteristic defined in 40 CFR 261.22, or are listed in Subpart D of Part 261 of this chapter only for this reason; and (b) meets the definition of tank, tank system, container, transport vehicle, or vessel in 40 CFR 260.10.

ELEVATOR

(2320 ELEVATOR)
 DA December 10, 1990
 BT1 Hoisting Apparatus
 BT2 Material Handling Device
 BT3 Devices
 BT3 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)
 BT4 Equipment
 RT Escalator
 SO DOE FRASE VOCABULARY

ELIGIBLE COSTS

(EPA)
 DA October 12, 1990
 BT1 Costs
 RT Wastewater Treatment Units
 SO Environmental Protection Agency Glossary
 DEF (EPA) The construction costs for waste-water treatment works upon which EPA grants are based.

EMERGENCIES

(DOE Orders 5000.3A, 5500.1A Attach. II, 15; EMER)
 DA December 14, 1990
 BT1 Reportable Occurrences
 BT2 Occurrences
 NT1 Abnormal Exposure Conditions
 NT1 Bomb Incidents
 NT1 Bomb Threats
 NT1 Emergency Situations

NT1 Energy Emergencies
 NT1 General Emergencies
 NT1 Hazardous Materials Emergencies
 NT1 National Emergencies
 NT1 Natural Phenomena Emergencies
 NT1 Operational Emergencies
 NT1 Safeguards and Security Emergencies
 NT2 Safeguards and Security Alerts
 NT3 Alpha
 NT3 Bravo
 NT3 Charlie
 NT3 Safeguards and Security Alert I (Code Designator: Alpha)
 NT3 Safeguards and Security Alert II (Code Designator: Bravo)
 NT3 Safeguards and Security Alert III (Code Designator: Charlie)
 NT2 Special Nuclear Materials Emergencies
 NT1 Site Emergencies
 NT1 Threats
 NT2 Bomb Threats
 NT2 Covert Threats
 NT2 Nuclear Threat Incidents
 NT2 Terrorist Threats
 RT Alert Signals
 RT Central Alarm Stations
 RT Concept of Operations
 RT Damage Assessments
 RT Defense Readiness Conditions
 RT Emergency Situations
 SO Emergency Preparedness
 SO Environmental Management
 DEF (DOE Order 5000.3A) Emergencies are the most serious occurrences and require an increased alert status for onsite personnel and, in specified cases, for offsite authorities. The detailed definitions and classifications of emergencies and appropriate emergency responses to be taken are provided in DOE Order 5500.2A. The types of occurrences that are to be categorized as emergencies are specified in DOE Order 5000.3A.

EMERGENCY (DIESEL) GENERATORS

DA January 8, 1991
 SF *EG (Emergency generators)*
 BT1 Equipment

EMERGENCY ACTIONS

(MORT)
 DA January 8, 1991
 SF *EA (Emergency Actions)*
 BT1 Actions
 BT2 Responses
 RT Recovery Actions
 RT Relations

EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY FORMS

(EMER)
 DA February 1, 1991
 BT1 Reports
 SO Emergency Preparedness
 DEF (EMER) Information on the

inventory of hazardous chemicals required to be submitted by facility owners and operators pursuant to Section 312 of the Emergency Planning and Community Right-to-Know Act of 1986.

EMERGENCY BRIEFING CENTERS (EMER)

DA February 1, 1991
BT1 Centers
SO Emergency Preparedness
DEF (EMER) Facilities located within DOE HQ for the purpose of briefing of management officials on emergencies.

EMERGENCY BROADCAST SYSTEM (EMER)

DA February 1, 1991
BT1 Emergency Systems
BT2 Systems
SO Emergency Preparedness
DEF (EMER) Broadcast stations and interconnecting facilities which have been authorized by the Federal Communications Commission to operate in a controlled manner during a war, state of public peril or disaster, or other national emergency as provided by the EBS plan.

EMERGENCY CONDITIONS

(FIFRA; CFR)
DA January 24, 1991
BT1 Conditions
RT Imminent Hazard
RT Occurrences
RT Pesticides
DEF (CFR) The term "emergency condition" means an urgent, nonroutine situation that requires the use of a pesticide(s) and shall be deemed to exist when: (1) No effective pesticides are available under the Act that have labeled uses registered for control of the pest under the conditions of the emergency; and (2) No economically or environmentally feasible alternative practices which provide adequate control are available.

EMERGENCY CONTROL CENTERS

(DOE Order 6430.1A; EMER)
DA October 12, 1990
SF ECC
BT1 Centers
RT Critical Facilities
RT Emergency Control Stations
RT Emergency Operations Centers
RT Essential Facilities
RT Field Command Posts
SO Construction
SO Emergency Preparedness
DEF (DOE Order 6430.1A) A facility from which designated management

can immediately direct the response to an emergency. The ECC may be an office, conference room, or other predesignated location having communication and informational materials appropriate to carry on the necessary supportive functions of directing an emergency response.

EMERGENCY CONTROL STATIONS

(DOE Orders 6430.1A, 5500.1A Attach. A, 17; EMER)
DA October 12, 1990
SF ECS (Emergency Control Station)
BT1 Sites/Areas
RT Emergency Control Centers
RT Emergency Operations Centers
SO Construction
SO Emergency Preparedness
SO Environmental Management
DEF (DOE Order 6430.1A) Locations within or near a designated critical facility or plant area for the purpose of maintaining control, orderly shutdown, and/or surveillance of operations and equipment during an emergency.

EMERGENCY COOLING SYSTEM

DA January 8, 1991
SF ECS (Emergency Cooling System)
BT1 Emergency Systems
BT2 Systems

EMERGENCY CORE COOLING INJECTION

DA January 8, 1991
SF ECCI

EMERGENCY CORE COOLING SYSTEM

(2030 ECCS)
DA December 10, 1990
SF ECCS
BT1 Emergency Systems
BT2 Systems
BT1 Reactor Protection System
BT2 Emergency Systems
BT3 Systems
BT1 Systems (DOE FRASE Vocabulary)
BT2 Systems
SO DOE FRASE VOCABULARY
DEF Reactor system components (pumps, valves, heat exchangers, tanks and piping) that are specifically designed to remove residual heat from the reactor fuel rods should the normal core cooling system fail.

EMERGENCY DIESEL GENERATOR

(2121 EDG)
DA December 10, 1990
SF EDG
BT1 Machines (DOE FRASE Vocabulary)
BT2 Equipment

RT Emergency Power System
SO DOE FRASE VOCABULARY

EMERGENCY EQUIPMENT

(DOE Order 5500.1A Attach. A, 19; EMER)
DA January 24, 1991
BT1 Equipment
SO Emergency Preparedness
SO Environmental Management
DEF (DOE 5500.1A) Any equipment that may be required to measure, control, or mitigate the consequences of, or in any way be involved in, an emergency.

EMERGENCY EXPOSURE (IAEA)

DA October 12, 1990
BT1 Exposure
RT Abnormal Exposure Conditions
SO Radiation
DEF (IAEA) An incurred exposure received during abnormal exposure conditions in the interests of preventing serious injury or saving life or valuable property.

EMERGENCY FEEDWATER SYSTEM

DA January 8, 1991
SF EFS
BT1 Emergency Systems
BT2 Systems
RT Feedwater

EMERGENCY MANAGEMENT COORDINATION COMMITTEE

(DOE Order 5500.1A Attach. A, 18; EMER)
DA January 24, 1991
BT1 Committees
BT2 Administrative Organizations
BT3 Organizations
RT Management
SO Emergency Preparedness
SO Environmental Management
DEF (DOE 5500.1A) A group of senior-level representatives from appropriate organizations who collectively provide executive oversight and coordination of the Emergency Management System. The Emergency Management Coordination Committee is chaired by the Under Secretary.

EMERGENCY MANAGEMENT COORDINATION COMMITTEE SECRETARIAT

(EMER)
DA February 1, 1991
BT1 Groups
BT2 Administrative Organizations
BT3 Organizations
SO Emergency Preparedness
DEF (EMER) A group of Department of Energy staff members designated by each principal of the EMCC

and operations office emergency management directors/coordinators who assist in the development of policy and technical decisions and provide necessary technical and administrative support to the EMCC and director of operations.

EMERGENCY MANAGEMENT INFORMATION SYSTEM (EMER)

DA February 1, 1991
 BT1 Emergency Systems
 BT2 Systems
 BT1 Information Systems
 BT2 Security Interests
 BT2 Systems
 SO Emergency Preparedness
 DEF (EMER) A system designed under U.S. Department of Energy contract by Sandia National Laboratories for the processing and display of emergency information.

EMERGENCY MANAGEMENT SYSTEMS (EMER)

DA February 1, 1991
 BT1 Emergency Systems
 BT2 Systems
 RT Protection of the Public Health and Welfare
 SO Emergency Preparedness
 DEF (EMER) Comprising a Department of Energy (DOE) program for the development, coordination, and direction of emergency planning, preparedness, response, and readiness assurance. 1) Planning. The development and preparation of emergency plans and procedures and the determination of availability of resources to provide an effective response. 2) Preparedness. The training of personnel, acquisition of resources and facilities, and testing of emergency plans and procedures to ensure an effective response. 3) Response. The action(s) taken to cope with and minimize the effects of any emergency. 4) Readiness Assurance. The actions taken to provide assurance that headquarters, field elements, and facility contractors implement appropriate aspects of DOE emergency management program policies and requirements as established by DOE orders.

EMERGENCY MANAGEMENT TEAM DIRECTORS

(DOE Order 4400.1A Attach. II, 13; EMER)
 DA January 24, 1991
 BT1 Personnel
 RT Emergency Management Teams

SO Emergency Preparedness
 SO Environmental Management
 DEF (DOE 550.1A) A pre-designated senior official identified to direct an emergency management team.

EMERGENCY MANAGEMENT TEAMS

(DOE Order 5500.1A Attach. A, 16; EMER)
 DA January 24, 1991
 BT1 Management Teams
 BT2 Teams
 BT3 Administrative Organizations
 BT4 Organizations
 NT1 Energy Emergency Management Teams
 NT1 Operational Emergency Management Teams
 RT Crisis Managers
 RT Director of Emergency Operations
 RT Emergency Management Team Directors
 RT Emergency Response
 SO Emergency Preparedness
 SO Environmental Management
 DEF (EMER) U.S. Department of Energy (DOE) teams designated to manage activities during emergencies involving DOE or requiring DOE assistance.

EMERGENCY MEDICAL TECHNICIAN

DA January 8, 1991
 SF EMT
 BT1 Personnel

EMERGENCY OPERATING PROCEDURES

DA January 8, 1991
 SF EOP
 BT1 Operating Procedures
 BT2 Procedures

EMERGENCY OPERATIONS CENTERS

(DOE Order 6430.1A; EMER)
 DA October 12, 1990
 SF EOC
 BT1 Centers
 RT Alternate Emergency Operations Center
 RT Emergency Control Centers
 RT Emergency Control Stations
 RT Essential Facilities
 SO Construction
 SO Emergency Preparedness
 DEF (EMER) Facilities from which management and support personnel carry out emergency response activities. The EOC may be a dedicated facility or office, conference room, or other pre-designated location having appropriate communications and informational materials to carry out the assigned emergency response mission and located where possible in a secure and protected location.

EMERGENCY PERMITS

(RCRA; CFR)
 DA January 24, 1991
 BT1 Permits
 RT Permit (RCRA)
 DEF (CFR) Emergency permit means a RCRA permit issued in accordance with 270.61.

EMERGENCY PLANNING, PREPAREDNESS, AND RESPONSE PROGRAM

(EMER)
 DA February 1, 1991
 BT1 Programs
 SO Emergency Preparedness
 DEF (EMER) An emergency program consisting of the following parts: 1) planning. The development and preparation of emergency plans and procedures and the determination of availability of resources to provide an effective response. 2) preparedness. The training of personnel, acquisition of resources and facilities, and testing of emergency plans and procedures to ensure an effective response. 3) response. The action(s) taken to cope with and minimize the effects of an emergency.

EMERGENCY PLANNING ZONES

(DOE Order 6430.1A; EMER)
 DA October 12, 1990
 BT1 Zones
 BT2 Sites/Areas
 SO Construction
 SO Emergency Preparedness
 DEF (DOE Order 6430.1A) Areas for which planning is done to ensure that prompt and effective actions can be taken to protect the environment and the health and safety of on-site personnel and the public in the event of a major emergency.

EMERGENCY PLANS

(EMER)
 DA February 1, 1991
 BT1 Plans
 NT1 Contingency Plans
 NT1 Field Facility/Building Emergency Plans
 NT1 Field Site Emergency Plans
 NT1 Operational Emergency Preparedness Management Plans
 NT1 Primary Emergency Plans
 NT1 Spill Prevention Control and Countermeasures Plan
 NT1 Terrorist Response Plans
 RT Procedures
 SO Emergency Preparedness
 DEF (EMER) Consist of a brief, clear, and concise description of the overall emergency organization, designation of responsibilities, and descriptions of the procedures,

including notifications, involved in coping with any or all aspects of a potential credible emergency.

EMERGENCY POWER

(DOE Order 6430.1A)
 DA October 12, 1990
 RT Standby Power
 RT Uninterruptible Power Supplies
 SO Construction
 DEF (DOE Order 6430.1A) Auxiliary power systems that provide power to safety and security related equipment during periods of partial or total power failure of associated primary power system.

EMERGENCY POWER SYSTEM

(2031 EPS)
 DA December 10, 1990
 BT1 Emergency Systems
 BT2 Systems
 BT1 Systems (DOE FRASE Vocabulary)
 BT2 Systems
 RT Emergency Diesel Generator
 SO DOE FRASE VOCABULARY

EMERGENCY PREPAREDNESS

(EMER)
 DA January 23, 1991
 RT Emergency Response
 RT Interagency Group on Energy Vulnerability
 DEF The training of personnel, acquisition of resources and facilities, and testing of emergency plans and procedures to ensure effective response to emergency situations.

EMERGENCY PROCEDURES

(EMER)
 DA February 1, 1991
 BT1 Procedures
 SO Emergency Preparedness
 DEF (EMER) Detailed instructions and guidance for carrying out emergency response actions.

EMERGENCY PROJECTS

(TSCA; CFR)
 DA January 24, 1991
 BT1 Projects
 RT Friable Asbestos
 RT Sudden Accidental Occurrences
 DEF (CFR) "Emergency project" means a project involving the removal, enclosure, or encapsulation of friable asbestos-containing material that was not planned but results from a sudden unexpected event.

EMERGENCY RAW COOLING WATER SYSTEM

DA January 8, 1991
 SF ERCWS
 BT1 Emergency Systems
 BT2 Systems

EMERGENCY REFERENCE LEVELS

(IAEA)
 DA November 20, 1990
 SY Intervention Levels
 SY Protective Action Guides
 SF ERL
 BT1 Reference Levels
 SO Radiation
 DEF (IAEA) Intervention levels: Levels usually specified in advance by the competent authority or management for use in abnormal situations: if the value of the quantity of interest exceeds or is predicted to exceed a particular level, the appropriate remedial action may have to be taken.

EMERGENCY RELIEF VALVE

DA January 8, 1991
 SF ERV
 BT1 Relief Valves
 BT2 Valves
 BT3 Devices

EMERGENCY RENOVATION OPERATIONS

(CAA; CFR)
 DA October 12, 1990
 BT1 Operations
 BT2 Activities
 BT1 Renovation
 BT2 Administrative Processes
 BT3 Processes
 SO Air Pollution
 DEF (CFR) Renovation operations that were not planned but result from a sudden, unexpected event. This term includes operations necessitated by nonroutine failures of equipment.

EMERGENCY RESOURCES

(EMER)
 DA February 1, 1991
 SO Emergency Preparedness
 DEF (EMER) Individuals, items of equipment or instrumentation, and specialized services that have been assembled, organized, or developed for the purpose of assisting in alleviating the consequences of an emergency.

EMERGENCY RESPONSE

(EMER; SARA; OSHA)
 DA January 24, 1991
 BT1 Responses
 RT Accidents
 RT Emergency Preparedness
 RT Emergency Management Teams
 RT Post Emergency Responses
 SO Emergency Preparedness
 SO Environmental Management
 DEF (CFR) A response effort by employees from outside the immediate release area or by other designated responders (i.e., mutual-aid groups, local fire

departments, etc.) to an occurrence which results, or is likely to result, in an uncontrolled release of a hazardous substance. Responses to incidental releases of hazardous substances where the substance can be absorbed, neutralized, or otherwise controlled at the time of release by employees in the immediate release area or by maintenance personnel are not considered to be emergency responses within the scope of this standard. Responses to releases of hazardous substances where there is a potential safety or health hazard (i.e., fire, explosion, or chemical exposure) are not considered to be emergency responses.

EMERGENCY RESPONSE ACTIVITY

(1230 ER ACTIVITY)
 DA November 28, 1990
 BT1 Activity Types (DOE FRASE Vocabulary)
 BT2 Activities
 SO DOE FRASE VOCABULARY

EMERGENCY RESPONSE LEVELS

(EMER)
 DA February 1, 1991
 NT1 Continuity of Government
 NT1 Energy Emergencies
 NT1 Operational Emergencies
 NT1 Operational Emergency Response Levels
 NT2 Alert
 NT1 Unusual Events
 SO Emergency Preparedness
 DEF (EMER) Response levels associated with the following DOE-categorized emergencies: operational, energy, and continuity of government. Each of the levels reflects the severity of the accident, based on the consequences or potential consequences of the accident. These levels are to be used by field elements in emergency planning and for reporting emergencies to DOE HQ. Sometimes referred to as emergency action levels.

EMERGENCY RESPONSE TEAMS

(EMER)
 DA January 8, 1991
 SF ERT
 BT1 Response Teams
 BT2 Teams
 BT3 Administrative Organizations
 BT4 Organizations
 RT Continuity of Government
 RT Emergency Management Teams
 RT Hazardous Materials Response Teams
 SO Emergency Preparedness
 DEF (EMER) Federal Emergency

Management Agency (FEMA) teams deployed to a radiological emergency scene by the FEMA director to make an initial assessment of the situation and then provide FEMA's primary response capability.

EMERGENCY SERVICE WATER

DA January 8, 1991
SF ESW

EMERGENCY SHUTDOWN DEVICE

DA January 8, 1991
SF ESD
BT1 Devices

EMERGENCY SITUATIONS

(TSCA)
DA October 19, 1990
BT1 Emergencies
BT2 Reportable Occurrences
BT3 Occurrences
RT Activation (Emergency)
RT Emergencies
RT Power Outage
SO Hazardous Materials
DEF (TSCA) Exist when (1) neither a non-PCB transformer nor a PCB-contaminated transformer is currently in storage for reuse or readily available (i.e., available within 24 hours) for installation. (2) Immediate replacement is necessary to continue service to power users.

EMERGENCY SPRAY WATER SYSTEM

(NFI)
DA October 12, 1990
BT1 Emergency Systems
BT2 Systems
BT1 Reactor Coolant System
BT2 Reactor Components
BT2 Systems
SO Nuclear Facilities Incident Database
SO Radiation
DEF (NFI) Sprays into Process Area to cool dropped fuel assemblies.

EMERGENCY SUPPORT TEAMS

(EMER)
DA February 1, 1991
BT1 Response Teams
BT2 Teams
BT3 Administrative Organizations
BT4 Organizations
SO Emergency Preparedness
DEF (EMER) Federal Emergency Management Agency (FEMA) headquarters teams that carry out notification, activation, and coordination procedures from the FEMA Emergency Information and Coordination Center (EICC). The emergency support teams are responsible for federal agency headquarters coordination, staff support of the FEMA director, and

support of the senior FEMA official.

EMERGENCY SYSTEMS

DA February 12, 1991
BT1 Systems
NT1 Backup Systems
NT1 Containment Systems
NT2 Containment Spray System
NT3 Containment Spray System (Post-accident Injection Phase)
NT3 Containment Spray System (Post-accident Recirculation Phase)
NT1 Criticality Alarm System
NT1 Diagnosis of Multiple Alarms System
NT1 Duress Systems
NT1 Emergency Core Cooling System
NT1 Emergency Power System
NT1 Emergency Spray Water System
NT1 Emergency Broadcast System
NT1 Emergency Management Information System
NT1 Emergency Management Systems
NT1 Emergency Cooling System
NT1 Emergency Feedwater System
NT1 Emergency Raw Cooling Water System
NT1 Energy Emergency System
NT1 Explosion Suppression System
NT1 Fire Protection Systems
NT2 Dedicated Fire Water Systems
NT3 Sprinkler System
NT2 Fire Alarm System
NT2 Fire Suppression System
NT1 Intrusion Alarm System (Perimeter or Interior)
NT1 National Warning System
NT1 Plant Protection System
NT1 Radiation Alarm System
NT1 Reactor Protection System
NT2 Emergency Core Cooling System
NT1 Safe Shutdown System
NT2 Sparger Assemblies
NT1 Supplementary Safety System
NT1 Surveillance Systems
NT1 Surveillance and Nuclear Detection Systems
RT Control Systems
RT Information Systems
RT Water Systems
SO Emergency Preparedness
SO Industrial Safety
SO Management
SO Radiation

EMERGENCY TELECOMMUNICATIONS SERVICES

(EMER)
DA February 1, 1991
SO Emergency Preparedness
DEF (EMER) Telecommunications services directly supporting federal government activity responding to a presidentially declared disaster or emergency as defined in the Disaster Relief Act (42 U.S. Code of Federal Regulations Sec. 5122) and directly resulting from any of

the following circumstances: 1) state of crisis declared by the national command authorities 2) efforts to protect endangered U.S. personnel or property 3) enemy action, civil disturbance, natural disaster, or any other unpredictable occurrence that has damaged facilities whose uninterrupted operation is essential to national security emergency preparedness or the management of other ongoing crises 4) certification by the head or director of a federal agency, commander of a unified/specified command, chief of a military service, or commander or major chief of a military command that a telecommunications service is so critical to protection of life and property or to the national security that it must be processed immediately

EMINENT DOMAIN

(EPA)
DA October 12, 1990
SO Environmental Protection Agency Glossary
DEF (EPA) Government taking – or forced acquisition – of private land for public use, with compensation paid to the landowner.

EMISSION FACTOR

(EPA)
DA October 12, 1990
BT1 Ratios
NT1 Theoretical Arsenic Emissions Factor
RT Air Pollutants
SO Environmental Protection Agency Glossary
DEF (EPA) The relationship between the amount of pollution produced and the amount of raw material processed. For example, an emission factor for a blast furnace making iron would be the number of pounds of particulates per ton of raw materials.

EMISSION INVENTORY

(EPA)
DA October 12, 1990
RT Air Pollutants
RT Emission Standards
SO Environmental Protection Agency Glossary
DEF (EPA) A listing, by source, of the amount of air pollutants discharged into the atmosphere of a community. It is used to establish emission standards.

EMISSION LIMITATION

(CAA; CFR)
DA November 15, 1990

SY Emission Standards
 BT1 Limits
 BT1 Requirements
 RT Air Pollutants
 RT Air Quality Standards
 RT Baseline Concentration
 RT National Emissions Standards for Hazardous Air Pollutants
 SO Air Pollution
 DEF (CFR) A requirement established by the State or the Administrator which limits the quantity, rate, or concentration of emissions of air pollutants on a continuous basis, including any requirement relating to the operation or maintenance of a source to assure continuous emission reduction.

EMISSION STANDARDS

(CAA; CFR; ESH)
 DA November 15, 1990
 SY Emission Limitation
 BT1 Requirements
 BT1 Standards
 BT2 Codes, Standards, and Regulations
 NT1 National Emissions Standards for Hazardous Air Pollutants
 NT1 New Source Performance Standards
 RT Air Pollution
 RT Air Quality Standards
 RT Emission Inventory
 DEF (USC) Requirements established by a State, local government, or the Administrator which limit the quantity, rate, or concentration of emissions of air pollutants on a continuous basis, including any requirements which limit the level of opacity, prescribe equipment, set fuel specifications, or prescribe operation or maintenance procedures for a source to assure continuous emission reduction. The maximum amount of air polluting discharge legally allowed from a single source, mobile or stationary. (ESH) Legally enforceable regulation setting forth an allowable rate of emissions into the atmosphere, or prescribing equipment specifications for control of air pollution emissions.

EMISSIONS

(RCRA; CFR; EPA)
 DA October 12, 1990
 BT1 Air Pollutants
 NT1 Effluents
 NT2 Radioactive Effluents
 NT1 Exhaust Gases
 NT1 Fugitive Emissions
 NT2 Uncontrolled Total Arsenic Emissions
 NT1 Fumes
 NT1 Particulate Matter Emissions
 NT2 Allowable Emissions
 NT2 Excess Emissions

NT2 PM₁₀ Emissions
 NT2 Visible Emissions
 NT1 Process Emissions
 NT1 Reactor Opening Loss
 NT1 Secondary Emissions
 RT Air Pollution
 RT Atmospheric Release Advisory Capability
 RT Best Available Control Technology
 RT Best Available Retrofit Technology
 RT Bubble
 RT Bubble Policy
 RT Discharges
 RT Releases
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 DEF (EPA) Pollution discharged into the atmosphere from smokestacks, other vents, and surface areas of commercial or industrial facilities; from residential chimneys; and from motor vehicle, locomotive, or aircraft exhausts.

EMISSIONS TRADING

(EPA)
 DA October 12, 1990
 BT1 Policies
 RT Banking (Air Pollution)
 SO Environmental Protection Agency Glossary
 DEF (EPA) EPA policy that allows a plant complex with several facilities to decrease pollution from some facilities while increasing it from others, so long as total results are equal to or better than previous limits. Facilities where this is done are treated as if they exist in a bubble in which total emissions are averaged out. Complexes that reduce emissions substantially may "bank" their "credits" or sell them to other industries.

EMPIRICAL CORRELATES

(SSDC)
 DA October 12, 1990
 RT Human Factors
 RT Logical Correlates
 SO System Safety Development Center Glossary
 DEF (SSDC) Information which may appear to correlate with human performance, but without logical reason. An outstanding current example is the postulated association of biorhythms with human performance. Some correlates may become "logical" with further study.

EMPLOYEES' REPRESENTATIVE

(Doe Order 5483.1A)
 DA October 12, 1990
 BT1 Personnel
 RT Contractor Employees
 SO Industrial Safety
 DEF (DOE Order 5483.1A) A person

chosen by contractor employees to represent their occupational safety and health related views, interests, and concerns. For purposes of access to an employee's bioassay, monitoring, or radiation exposure records, if the representative is not the recognized/certified collective bargaining agent, then he or she must have the employee's written authorization for such access.

EMPLOYERS

(TSCA; CFR)
 DA January 24, 1991
 RT Personnel
 DEF (CFR) "Employer" means the public department, agency, or entity which hires an employee. The term includes, but is not limited to, any state, country, city, or other local governmental entity which operates or administers schools, a department of health or human services, a library, a police department, a fire department, or similar public service agencies or offices.

EMT

DA October 12, 1990
 SEE Emergency Medical Technician
 SO Acronyms

EN ROUTE

(1606 EN ROUTE)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 SO DOE FRASE VOCABULARY

ENCLOSED PROCESSES

(TSCA; CFR)
 DA January 24, 1991
 BT1 Processes
 RT Releases
 DEF (CFR) "Enclosed process" means a manufacturing or processing operation that is designed and operated so that there is no intentional release into the environment of any substance present during the operation. An operation with fugitive, inadvertent, or emergency pressure relief releases remains an enclosed process so long as measures are taken to prevent worker exposure to and environmental contamination from the releases.

ENCLOSURES

(DOE Order 6430.1A)
 DA October 12, 1990
 BT1 Primary Confinement Systems
 BT2 Confinement Systems
 BT3 Systems
 RT Radiation Protection

SO Construction
 DEF (DOE Order 6430.1A) Primary confinement systems such as process systems, glove boxes, conveyors, hotcells, and canyons.

END BOX VENTILATION SYSTEM

(CAA; CFR)
 DA November 15, 1990
 BT1 Systems
 BT1 Ventilation System
 BT2 Systems (DOE FRASE Vocabulary)
 BT3 Systems
 RT End Boxes
 SO Air Pollution
 DEF (CFR) A ventilation system which collects mercury emissions from the end boxes, the mercury sump pumps, and their water collection systems.

END BOXES

(CAA; CFR)
 DA October 12, 1990
 BT1 Containers
 RT End Box Ventilation System
 RT Mercury Chlor-alkali Electrolyzers
 SO Air Pollution
 DEF (CFR) A container(s) located on one or both ends of a mercury chlor-alkali electrolyzer which serves as a connection between the electrolyzer and denuder for rich and stripped amalgam.

END FITTING

DA January 8, 1991
 SF EF

END FITTING DELTA PRESSURE

DA January 8, 1991
 SF $EF_{\Delta P}$
 BT1 Pressure

ENDANGERED ASSESSMENT

(EPA)
 DA October 12, 1990
 BT1 Assessments
 BT2 Administrative Processes
 BT3 Processes
 RT Remedial Investigations
 SO Environmental Protection Agency Glossary
 DEF (EPA) A study conducted to determine the nature and extent of contamination at a site on the National Priorities List and the risk posed to public health or the environment. EPA or the state conduct the study when a legal action is to be taken to direct potentially responsible parties to clean up a site or pay for the cleanup. An endangered assessment supplements a remedial investigation.

ENDANGERED SPECIES

(ESA; CFR)
 DA October 12, 1990
 BT1 Species
 NT1 Listed Species
 RT Candidates
 RT Proposed Species
 RT Threatened Species
 SO Environmental Protection Agency Glossary
 DEF (CFR) Animals, birds, fish, plants, or other living organisms threatened with extinction by man-made or natural changes in their environment. Requirements for declaring a species endangered are contained in the Endangered Species Act.

ENDANGERED SPECIES ACT

DA February 12, 1991
 SF ESA
 BT1 Acts
 BT2 Statutes and Regulations
 SO Environmental Management
 DEF (ESA) The Endangered Species Conservation Act of 1973 provides for an evaluation of declining species and the institution of a recovery plan. A species can be listed as "endangered" (threatened with extinction) throughout all or a significant part of its range, or "threatened" (likely to become endangered in the foreseeable future).

ENERGY

(SSDC)
 DA October 12, 1990
 NT1 Nuclear Energy
 NT1 Radiant Energy
 RT Energy Flow
 SO System Safety Development Center Glossary
 DEF (SSDC) The capacity to do work and overcome resistance. Energy exists in many forms, including acoustic, electrical, kinetic, thermal, biological, chemical and radiation (both ionizing and monitoring).

ENERGY EMERGENCIES

(DOE Orders 5500.1A Attach. A, 15(c), 5500 5.e; EMER)
 DA January 24, 1991
 BT1 Emergencies
 BT2 Reportable Occurrences
 BT3 Occurrences
 BT1 Emergency Response Levels
 RT Energy Emergency System
 RT Energy Emergency Teams
 SO Emergency Preparedness
 DEF (DOE 5500.1A) A condition or potential affecting the supply of energy or the energy infrastructure with significant potential impact on the national economy, national

security, defense preparedness, or health and safety.

ENERGY EMERGENCY MANAGEMENT TEAMS

(EMER)
 DA February 1, 1991
 BT1 Emergency Management Teams
 BT2 Management Teams
 BT3 Teams
 BT4 Administrative Organizations
 BT5 Organizations
 SO Emergency Preparedness
 DEF (EMER) Department of Energy (DOE) teams pre-designated to coordinate response to energy emergencies involving DOE or requiring DOE assistance.

ENERGY EMERGENCY SYSTEM

(DOE Order 5500 5.f)
 DA January 24, 1991
 BT1 Emergency Systems
 BT2 Systems
 RT Energy Emergencies
 DEF (DOE 5500 5.f) The Energy Emergency System (EEMS) is the component of DOE's Emergency Management System (EMS) which defines the functional requirements of energy emergency management responsibilities assigned to the Office of International Affairs and Energy Emergencies (IE).

ENERGY EMERGENCY TEAMS

(DOE Order 5500 5.g; EMER)
 DA January 24, 1991
 BT1 Response Teams
 BT2 Teams
 BT3 Administrative Organizations
 BT4 Organizations
 RT EEMT Member
 RT Energy Emergencies
 DEF (DOE 5500.5g) The Energy Emergency Teams (EEMT) are established in accordance with DOE Order 5500.1A to manage and coordinate energy emergency responses. The EEMTs are composed of pre-designated DOE individuals and chaired by the Deputy Assistant Secretary for Energy Emergencies (DAS/EE). EEMTs are activated at the outset of an energy emergency and serve as the focal point for the development and coordination of energy emergency activities.

ENERGY FLOW

(SSDC)
 DA October 12, 1990
 RT Energy
 RT Energy Trace
 RT Linear Energy Transfer

SO System Safety Development Center Glossary
 DEF (SSDC) The transfer of energy from its source to some other point. In safety we are concerned with two types of energy flows: wanted energy flows-controlled (to do work) and unwanted energy flows-uncontrolled.

ENERGY FLUENCE (IAEA)

DA October 12, 1990
 BT1 Measurements
 RT Energy Fluence Rate
 RT Radiant Energy
 SO Radiation
 DEF (IAEA) Radiant energy incident divided by the cross-sectional area of an elementary sphere.

ENERGY FLUENCE RATE (IAEA)

DA October 12, 1990
 BT1 Rates
 RT Energy Fluence
 SO Radiation
 DEF (IAEA) The increment of energy fluence in a specified time interval.

ENERGY FLUX (IAEA)

DA October 12, 1990
 BT1 Measurements
 RT Radiant Energy
 SO Radiation
 DEF (IAEA) The quotient of dR by dt , where dR is the increment of radiant energy in the time interval dt .

ENERGY MANAGEMENT SYSTEMS

(DOE Order 6430.1A)
 DA October 12, 1990
 SY Energy Monitoring and Control Systems
 BT1 Systems
 RT Control Systems
 SO Construction
 DEF (DOE Order 6430.1A) An automated system for monitoring and controlling energy-related systems and devices.

ENERGY MONITORING AND CONTROL SYSTEMS

(DOE Order 6430.1A)
 DA October 12, 1990
 SY Energy Management Systems
 BT1 Control Systems
 BT2 Controls
 BT2 Systems
 BT1 Monitoring Systems
 BT2 Systems
 SO Construction
 DEF (DOE Order 6430.1A) An automated system for monitoring and controlling energy-related systems and devices.

ENERGY RESEARCH ADVISORY BOARD

DA January 8, 1991
 SF ERAB
 BT1 Boards
 BT2 Administrative Organizations
 BT3 Organizations

ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

DA January 8, 1991
 SF ERDA
 RT Atomic Energy Commission
 RT U.S. Department of Energy

ENERGY TECHNOLOGY ENGINEERING CENTER (CANOGA PARK)

DA January 8, 1991
 SF ETEC
 BT1 Centers
 BT1 Government-Owned Contractor-Operated Facilities
 BT2 Federal Facilities
 BT3 Facilities
 RT Rockwell International Corp.
 DEF (Capsule Review of DOE Research and Development and Field Facilities, 1986) Founded in 1966, the ETEC provides management, engineering, testing, consultation and project monitoring services for a wide range of DOE programs. The ETEC manages a reactor component testing program, in addition to providing engineering support, technical management and monitoring for a number of DOE solar, conservation, geothermal and fusion energy programs.

ENERGY TRACE (SSDC)

DA October 12, 1990
 RT Energy Flow
 SO System Safety Development Center Glossary
 DEF (SSDC) Tracking an energy flow from its origin to any other place or object.

ENFORCEMENT DECISION DOCUMENTS

(EPA)
 DA October 12, 1990
 SY Record of Decision (NEPA)
 BT1 Reports
 RT Administrative Orders
 SO Environmental Protection Agency Glossary
 DEF (EPA) A document that provides an explanation to the public of EPA's selection of the cleanup alternative at enforcement sites on the National Priorities List. Similar to a Record of Decision.

ENGAGEMENT SIMULATION SYSTEMS

(Doe Order 5480.16)
 DA October 12, 1990
 SF ESS
 BT1 Simulators
 NT1 Multiple Integrated Laser Engagement System
 RT Central Training Academy
 RT ESS Blanks
 RT Weapon Simulators
 SO Firearms
 DEF (DOE Order 5480.16) a combat simulation system that has three elements: (1) devices that provide weapon effects; (2) a control system; and (3) a training support package.

ENGINE-GENERATORS

DA January 8, 1991
 SF EG (Engine-Generators)

ENGINE MAINTENANCE ASSEMBLY AND DISASSEMBLY

DA January 8, 1991
 SF E-MAD

ENGINEER

(0160 ENGINEER)
 DA November 28, 1990
 BT1 Professional Personnel
 BT2 Occupations
 BT2 Personnel
 SO DOE FRASE VOCABULARY

ENGINEERED BARRIER SYSTEMS

(ANL; CFR)
 DA May 24, 1991
 BT1 Systems
 NT1 Engineered Barriers
 SO Wastes
 DEF (CFR) The waste packages and the underground facility.

ENGINEERED BARRIERS

(AEA; CFR)
 DA January 24, 1991
 BT1 Barriers
 BT1 Engineered Barrier Systems
 BT2 Systems
 RT Disposal Systems
 DEF (CFR) A man-made structure or device that is intended to improve the land disposal facility's ability to meet the performance objectives in Subpart C.

ENGINEERED SAFETY FEATURES

(DOE Order 6430.1A)
 DA October 12, 1990
 SF ESF
 RT Design Capacity
 RT General Design Process
 RT Safety Class Items
 SO Construction
 SO Industrial Safety
 DEF (DOE Order 6430.1A) Systems or design characteristics that are provided to prevent or mitigate the

potential consequences of postulated design basis accidents. An engineered-safety-feature system is a safety class system.

ENGINEERED SAFETY FEATURES (SHUTDOWN)

(DOE Order 5484.1)

DA October 16, 1990

SF *ESF*

RT Reactor Shutdown

DEF (DOE Order 5484.1) Components or equipment designed to: (a) provide the capability to shutdown the facility and maintain it in a safe shutdown condition; (b) ensure the integrity of the process system which provides a boundary against release of radioactive material (e.g., the integrity of the coolant pressure boundary in a reactor or a glove box in a process facility); (c) prevent or mitigate the consequences of events or accidents that could result in potentially measurable offsite exposures.

ENGINEERED SAFETY FEATURES ACTUATION SYSTEM

DA January 8, 1991

SF *ESFAS*

BT1 Systems

ENGINEERING ASSISTANCE SECTION

DA January 8, 1991

SF *EAS*

ENGINEERING CHANGE PROPOSAL

DA January 8, 1991

SF *ECP*

SO Management

ENGINEERING CONTROL ZONES

(SWDA; RCRA)

DA October 12, 1990

BT1 Zones

BT2 Sites/Areas

RT Hazardous Wastes

RT Source Control Remedial Actions

SO Environmental Management

SO Wastes

DEF (CFR) Areas under the control of the owner/operator that, upon detection of a hazardous waste release, can be readily cleaned up prior to the release of hazardous waste or hazardous constituents to ground water or surface water.

ENGINEERING TECHNICIAN

(0370 ENGR TECH)

DA November 28, 1990

BT1 Technicians

BT2 Professional Personnel

BT3 Occupations

BT3 Personnel

SO DOE FRASE VOCABULARY

ENGINES

(SWDA; RCRA; ESH)

DA October 12, 1990

SO Hazardous Materials

DEF (CFR) Locomotives propelled by any form of energy and used by a railroad.

ENRICHED URANIUM

(AEA; CFR)

DA January 24, 1991

BT1 Uranium

BT2 Geologic Resources

BT3 Natural Resources

BT2 Heavy Metals

NT1 Unirradiated Enriched Uranium

DEF (CFR) Uranium containing more uranium-235 than the naturally occurring distribution of uranium isotopes.

ENRICHMENT

(EPA)

DA October 12, 1990

BT1 Processes

RT Eutrophic Lakes

RT Eutrophication

SO Environmental Protection Agency Glossary

DEF (EPA) The addition of nutrients (e.g., nitrogen, phosphorus, carbon compounds) from sewage effluent or agricultural runoff to surface water. This process greatly increases the growth potential for algae and aquatic plants.

ENTRY CONTROL POINTS

(DOE Order 6430.1A)

DA October 12, 1990

BT1 Sites/Areas

RT Egress

RT Ingress

RT Security Areas

SO Construction

DEF (DOE Order 6430.1A) Controlled access entry points to a site or a secured area.

ENVIRONMENT

(CAA; RCRA; CWA; ESA; FWCA; NPDDWA; CERCLA; TSCA; FIFRA; CFR; EPA; RHA; SARA; SWDA)

DA October 12, 1990

NT1 Accessible Environment

NT1 Aquatic Ecosystem

NT1 Aquatic Environment

NT2 Benthic Region

NT1 Ecosphere

NT1 General Environment

NT1 Human Environment

NT1 Indoor Climate

NT1 Media

NT1 Work Environment

RT Ambient

RT Ecological Impacts

RT Ecosystems

RT Environmental Impact Statements

RT Habitats

RT Lithosphere

RT Pollution

RT Significant Adverse Reactions

RT Targets

SO Compensation and Liability

SO Environmental Management

SO Environmental Protection Agency

Glossary

SO Hazardous Materials

DEF The sum of all external conditions affecting the life, development and survival of an organism. (ESH) Refers to the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management and authority of the United States under the Fishery Conservation and Management Act of 1976; and any other surface water, ground water, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States. Includes water, air, and land and the interrelationship which exists among and between water, air, and land and all living things.

ENVIRONMENT, SAFETY, AND HEALTH

DA January 8, 1991

SY Office of the Assistant Secretary for Environment, et. al.

SF *ES&H*

ENVIRONMENT, SAFETY, AND HEALTH (ES&H) PROGRAM

(DOE Orders 5480.1B and 5482.1B; ESH)

DA October 12, 1990

SF *ES&H*

BT1 DOE Programs

BT2 Programs

RT Consultant Fire Protection Survey Program

RT Environment, Safety, and Health Overview

RT Health Physics

RT Industrial Hygiene

RT Occupational Medicine

SO Emergency Preparedness

SO Industrial Hygiene

SO Management

DEF Encompasses those DOE requirements, activities, and functions in the conduct of all DOE and DOE-controlled operations that are concerned with: controlling air, water, and soil pollution; limiting the risks to the well being of both operating personnel and the general public to acceptably low levels; and protecting property adequately against accidental loss and damage. Typical activities and functions related to this program

include, but are not limited to, the following: environmental protection, occupational safety, fire protection, industrial hygiene, health physics, occupational medicine, process and facilities safety, nuclear safety, emergency preparedness, quality assurance, and radioactive and hazardous waste management.

ENVIRONMENT, SAFETY, AND HEALTH OVERVIEW

(Doe Order 5480.1B)
 DA October 12, 1990
 RT Environment, Safety, and Health (ES&H) Program
 SO Industrial Hygiene
 DEF (DOE Order 5480.1B) An organized set of activities performed as independent functions. Its purpose is to assure that all aspects of environment, safety and health-related activities at the program, project, and contractor level are adequately addressed. Such activities include: (1) establishing Department-wide environment, safety, and health policies, requirements and standards; (2) periodic and timely reviews of program and project documents, activities, actions, and plans; (3) appraising the implementation of environment, safety and health programs at the Headquarters, field, and contractor level as appropriate; and (4) providing support, assistance, and guidance to Headquarters program offices and field organizations.

ENVIRONMENT ASSESSMENTS (TTGM)

DA May 6, 1991
 BT1 Tiger Team Assessments
 BT2 Assessments
 BT3 Administrative Processes
 BT4 Processes
 RT Compliance Considerations
 RT Environmental Assessments
 RT Findings
 RT Management and Organization Assessment
 RT Potential Hazards
 RT Safety and Health Assessments
 RT Seriousness
 SO Management
 DEF (TTGM) One of the three major assessments conducted as part of a Tiger Team Assessment. It is concerned with both regulatory (i.e., externally enforced) requirements and DOE Orders (i.e., internally enforced requirements). Environment Assessments specifically examine the following topic areas: air; soils/sediments/biota; surface water; groundwater; waste

management; Toxic and Chemical Materials; quality assurance environmental monitoring; radiation/radiologic materials; inactive waste sites; NEPA; and special issues (e.g. natural/cultural resources acts and executive orders.

ENVIRONMENTAL ASSESSMENTS

(DOE Order 5440.1D; NEPA; CFR; EPA)
 DA October 12, 1990
 SY Environmental Reviews
 SF EA (Environmental Assessment)
 BT1 Assessments
 BT2 Administrative Processes
 BT3 Processes
 RT Environmental Surveys
 RT Environmental Audits
 RT Environmental Impact Statements
 RT Environment Assessments
 RT Mitigation Action Plans
 RT National Environmental Policy Act Documents
 RT Programmatic NEPA Documents
 RT Site-Wide NEPA Documents
 RT State Coordination
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 SO Management
 DEF (DOE Order) Documents defined at 40 CFR 1508.9, that assess whether a proposed action is a "major Federal action significantly affecting the quality of the human environment," and which serve as the basis for determining whether to prepare an environmental impact statement or a Finding of No Significant Impact. (EPA) Written environmental analyses which are prepared pursuant to the National Environmental Policy Act to determine whether a federal action would significantly affect the environment and thus require preparation of a more detailed environmental impact statement. (NOTE: see Environment Assessment if term usage is within the area of Tiger Team Assessments)

ENVIRONMENTAL AUDITS

(DOE Orders 5480.1B, 5482.1B; EPA; ESH)
 DA October 12, 1990
 BT1 Audits (SSDC)
 BT2 Administrative Processes
 BT3 Processes
 RT Environmental Reviews
 RT Environmental Surveys
 RT Environmental Assessments
 SO Construction
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 SO Industrial Hygiene

SO Management
 DEF (DOE Orders) Documented assessments of a facility to monitor the progress of necessary corrective actions, to assure compliance with environmental laws and regulations, and to evaluate field organization practices and procedures. (EPA)
 1) An independent assessment of the current status of a party's compliance with applicable environmental requirements. 2) An independent evaluation of a party's environmental compliance policies, practices, and controls.

ENVIRONMENTAL DETECTION LIMITS (ESH)

DA October 12, 1990
 BT1 Detection Limits
 BT2 Limits
 RT Radionuclides
 SO Management
 DEF (ESH) The smallest levels at which a radionuclide in an environmental medium can be unambiguously distinguished for a given confidence level using a particular combination of sampling and measurement procedures, sample volume, analytical detection limit, and processing procedure.

ENVIRONMENTAL EXPOSURE (NCRP)

DA October 12, 1990
 BT1 Exposure
 RT Ionizing Radiation
 SO Radiation
 DEF (NCRP) Exposure to radiation in nonoccupational situations.

ENVIRONMENTAL IMPACT STATEMENTS

(DOE Order 5440.1D; NEPA; CFR; EPA)
 DA October 12, 1990
 SF EIS
 NT1 Supplemental EIS
 RT Categorical Exclusions
 RT Ecological Impacts
 RT EIS Implementation Plans
 RT Environment
 RT Environmental Information Documents
 RT Environmental Assessments
 RT Finding of No Significant Impact
 RT Implementation Plans
 RT Interim Actions
 RT Mitigation Action Plans
 RT National Environmental Policy Act Documents
 RT Notice of Availability
 RT Notice of Intent
 RT Programmatic NEPA Documents
 RT Site-Wide NEPA Documents
 RT Supplement Analyses
 RT Tiering
 SO Environmental Management

SO Environmental Protection Agency Glossary
 SO Management
 DEF (DOE Order) Documents defined at 40 CFR 1508.11 or a Supplemental EIS, and prepared in accordance with the requirements of section 102(2)(C) or NEPA, the CEQ Regulations, and the DOE NEPA Guidelines.

ENVIRONMENTAL INFORMATION DOCUMENTS

(NEPA; CFR)
 DA January 24, 1991
 BT1 Reports
 RT Environmental Impact Statements
 DEF (CFR) Any written analysis prepared by an applicant, grantee or contractor describing the environmental impacts of a proposed action.

ENVIRONMENTAL MANAGEMENT

DA January 23, 1991
 BT1 Management
 RT Conservation
 RT Waste Management
 DEF The management of resources, property, and all associated programs with an emphasis on environmental conservation and enhancement. Also, may be used to include those actions necessary to remediate situations where environmental conditions have already been negatively affected.

ENVIRONMENTAL MONITORING

(DOE Orders 5400.1, 5484.1)
 DA October 12, 1990
 BT1 Monitoring
 BT2 Activities
 NT1 Effluent Monitoring
 NT1 Environmental Surveillance
 RT Annual Site Environmental Reports
 SO Environmental Management
 SO Management
 DEF The collection and analysis of samples or direct measurements of environmental media. Environmental monitoring consists of two major activities: effluent monitoring and environmental surveillance.

ENVIRONMENTAL OCCURRENCES

(DOE Order 5400.1; ESH)
 DA October 12, 1990
 BT1 Occurrences
 RT Unusual Occurrences
 SO Management
 DEF (DOE Order 5400.1) Any sudden or sustained deviations from a regulated or planned performance at a DOE operation that has environmental protection and compliance significance.

ENVIRONMENTAL PROTECTION AGENCY GLOSSARY

(EPA)
 DA October 19, 1990
 DEF The Environmental Protection Agency Glossary as included in the Agency's Information Resources Directory, an annual EPA publication which gives general reference and referral information of relevance to EPA's programs.

ENVIRONMENTAL PROTECTION STANDARDS

(DOE Order 5400.1; ESH)
 DA October 12, 1990
 BT1 Standards
 BT2 Codes, Standards, and Regulations
 SO Environmental Management
 SO Management
 DEF Specified sets of rules or conditions concerned with delineation of procedures, definition of terms, specification of performance, design, or operations, or measurements that define the quantity of emissions, discharges, or releases to the environment and the quality of the environment.

ENVIRONMENTAL QUALIFICATION

DA January 8, 1991
 SF EQ

ENVIRONMENTAL RELEASE

(1563 ENV RELEASE)
 DA November 29, 1990
 BT1 Nature of Property Damage
 BT1 Releases
 RT Chemical Contamination
 RT Hazardous Spill
 RT Leak Detector
 SO DOE FRASE VOCABULARY

ENVIRONMENTAL RESPONSE TEAMS

(EPA; EMER)
 DA October 12, 1990
 BT1 Response Teams
 BT2 Teams
 BT3 Administrative Organizations
 BT4 Organizations
 SO Environmental Protection Agency Glossary
 DEF (EPA) EPA experts located in Edison, NJ, and Cincinnati, OH, who can provide around-the-clock technical assistance to EPA regional offices and states during all types of emergencies involving hazardous waste sites and spills of hazardous substances.

ENVIRONMENTAL REVIEWS

(NEPA; CFR)
 DA January 24, 1991
 SY Environmental Assessments
 BT1 Reviews

BT2 Administrative Processes
 BT3 Processes
 RT Environmental Surveys
 RT Environmental Audits
 DEF (CFR) The process whereby an evaluation is undertaken by EPA to determine whether a proposed Agency action may have a significant impact on the environment and therefore require the preparation of the EIS.

ENVIRONMENTAL SURVEILLANCE

(DOE Orders 5400.1, 5400.5)
 DA October 12, 1990
 BT1 Environmental Monitoring
 BT2 Monitoring
 BT3 Activities
 BT1 Surveillance
 BT2 Administrative Processes
 BT3 Processes
 SO Environmental Management
 SO Management
 SO Wastes
 DEF The collection and analysis of samples, or direct measurements, of air, water, soil, foodstuff, biota, and other media from DOE sites and their environs for the purpose of determining compliance with applicable standards and permit requirements, assessing radiation exposures of members of the public and assessing the effects, if any, on the local environment.

ENVIRONMENTAL SURVEYS

(DOE Orders 5480.1B, 5482.1B; ESH)
 DA October 12, 1990
 BT1 Surveys
 RT Environmental Reviews
 RT Environmental Audits
 RT Environmental Assessments
 RT Technical Safety Appraisals
 SO Construction
 SO Industrial Hygiene
 SO Management
 DEF Documented, multidiscipline assessments (with sampling and analysis) of a facility to determine environmental conditions and to identify environmental problem areas of environmental risk requiring corrective action.

EOC

DA October 12, 1990
 SEE Emergency Operations Centers
 SO Acronyms
 SO Environmental Management

EOD

DA October 12, 1990
 SEE Explosives Ordnance Disposal
 SO Acronyms

EOP

DA October 12, 1990
 SEE Emergency Operating Procedures

SO Acronyms
SO Management

EP

DA October 12, 1990
SEE Essential Power
SO Acronyms

EP Toxic

DA October 12, 1990
SEE Extraction Procedure Toxic
SO Acronyms

EPA

DA October 12, 1990
SEE U.S. Environmental Protection Agency
SO Acronyms
SO Air Pollution
SO Environmental Protection Agency Glossary
SO Hazardous Materials
SO Wastes
SO Water Pollution

EPA GUIDANCE DOCUMENT

(TSCA; CFR)
DA October 12, 1990
BT1 Reports
RT Asbestos-containing Materials
RT Procedures
SO Hazardous Materials
DEF (CFR) EPA Guidance Document. The term "Guidance for Controlling Asbestos-Containing Material in Buildings" means the Environmental Protection Agency document with such title as in effect on March 31, 1985.

EPA HAZARDOUS WASTE NUMBERS

(SWDA; RCRA; CFR)
DA October 12, 1990
RT Hazardous Wastes
SO Environmental Management
SO Wastes
DEF (SWDA; RCRA) Numbers assigned by the Environmental Protection Agency and used by industry; solid wastes are listed hazardous wastes from non-specific sources in 40 CFR 261.31; solid wastes are listed hazardous wastes from specific sources in 40 CFR 261.32 unless they are excluded under 40 CFR 260.20 and 260.22 and are listed in Part 261 - Appendix IX. (Exclusions are for hazardous wastes from non-specific and specific sources.)

EPA IDENTIFICATION NUMBER

(SWDA; RCRA; TSCA; CFR)
DA October 12, 1990
RT Treatment, Storage, and Disposal Facilities
SO Hazardous Materials
SO Wastes
DEF (CFR) The number assigned by the

Environmental Protection Agency to each generator, transporter, and treatment, storage, or disposal facility.

EPA REGION

(SWDA; RCRA)
DA October 12, 1990
BT1 Sites/Areas
RT States
RT United States
SO Wastes
DEF (SWDA; RCRA) The states and territories found in one of the ten regions of the United States.

EPIDEMICS

(EPA)
DA October 12, 1990
BT1 Occurrences
NT1 Waterborne Disease Outbreaks
RT Epidemiology
SO Environmental Protection Agency Glossary
DEF (EPA) Widespread outbreaks of disease, or a large number of cases of a disease in a single community or relatively small area.

EPIDEMIOLOGY

(EPA)
DA October 12, 1990
RT Epidemics
RT Populations
SO Environmental Protection Agency Glossary
DEF (EPA) The study of diseases as they affect population, including the distribution of disease, or other health-related states and events in human populations, the factors (e.g., age, sex, occupation, economic status) that influence this distribution, and the application of this study to control health problems.

EPISODES (POLLUTION)

(EPA)
DA October 12, 1990
BT1 Incidents
RT Air Pollution
SO Environmental Protection Agency Glossary
DEF (EPA) Air pollution incidents in a given area caused by a concentration of atmospheric pollution reacting with meteorological conditions that may result in a significant increase in illnesses or deaths. Although most commonly used in relation to air pollution, the term may also be used in connection with other kinds of environmental events such as a massive water pollution situation.

EPRI

DA October 12, 1990
SEE Electric Power Research Institute
SO Acronyms

EQ

DA October 12, 1990
SEE Environmental Qualification
SO Acronyms

EQUILIBRIUM

(EPA; NCRP)
DA October 12, 1990
RT Radioactive Series
SO Environmental Protection Agency Glossary
SO Radiation
DEF (EPA) In relation to radiation, the state at which the radioactivity of consecutive elements within a radioactive series is neither increasing nor decreasing. (NCRP) Equilibrium exists when the activity of all the progeny within a decay series is equal to the parent activity. For radon progeny, equilibrium is rarely achieved and the progeny activities are usually less than the radon activity.

EQUIPMENT

(CAA; CFR; DSTT)
DA October 12, 1990
NT1 Allis-Chalmers Motors
NT1 Analog to Digital Converter
NT1 Ancillary Equipment
NT1 Auxiliary Air Units
NT1 Axial Power Indicator
NT1 Balers
NT1 Ballistic Separators
NT1 Class A Equipment
NT1 Class B Equipment
NT1 Class 1E Electrical Equipment
NT1 Departmental-Approved Equipment
NT1 Detection Equipment
NT2 Intrusion Alarm System (Perimeter or Interior)
NT1 Diesel Generator
NT2 Standby Diesel Generator
NT1 Electrical Equipment
NT2 Capacitors
NT3 Large High Voltage Capacitors
NT3 Large Low Voltage Capacitors
NT3 Small Capacitors
NT2 Connectors
NT2 PCB Transformers
NT3 Mineral Oil PCB Transformers
NT1 Emergency Equipment
NT1 Emergency (Diesel) Generators
NT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
NT2 Adapter(s)
NT2 Amplifier(s)
NT2 Antenna
NT2 Appliance(s)
NT3 Heating Appliance(s)
NT2 Battery(s)
NT2 Capacitor(s)
NT2 Circuit Breaker(s)
NT2 Circuit(s)

NT2 Computer Terminal(s)	NT2 Incinerators	NT4 Scissor Lift
NT2 Computer(s)	NT3 Catalytic Incinerators	NT2 Reel(s)
NT2 Condenser(s)	NT3 Qualified Incinerators	NT2 Scraper
NT2 Conductor(s)	NT2 Pilot Light(s)	NT2 Sling(s)
NT2 Conduit(s)	NT2 Retort	NT2 Tine(s)
NT2 Diode(s)	NT1 Equipment/Parts -	NT1 Equipment/Parts - Nuclear (DOE
NT2 Electrical Apparatus	Instrumentation/Measuring (DOE	FRASE Vocabulary)
NT2 Electrical Bus	FRASE Voc.)	NT2 Birdcage
NT2 Electrical Insulator(s)	NT2 Ammeter(s)	NT2 Burial Box(s)
NT2 Electrode(s)	NT2 Bridge Crane	NT2 Cold Trap
NT2 Fuse(s)	NT2 Constant Air Monitor	NT2 Control Panel(s)
NT2 Ground Fault Interrupter(s)	NT2 Count	NT2 Control Rod Drive Assembly
NT2 Heat Coil	NT2 Fast Response Gamma	NT2 Control Rod(s)
NT2 Insulator	Thermometer	NT3 Gangs
NT2 Jumper	NT2 Instrument(s)	NT3 Raincoats
NT2 Laser	NT3 Gauge(s)	NT2 Coolant Return Pump
NT2 Light(s)	NT4 Scale(s)	NT2 Core(s)
NT2 Magnetic/Electrolytic Apparatus	NT4 Straight Edge Ruler	NT2 Exhaust Stack
NT2 Motor(s)	NT4 Thermostat(s)	NT2 Flux Channel(s)
NT2 Outlet/Receptacle(s)	NT4 Time Clock	NT2 Fuel Element(s)
NT2 Power Cord(s)	NT3 Graphitar(s)	NT3 Fuel Plate
NT2 Power Key(s)	NT3 Indicator(s)	NT4 Cladding
NT2 Power Lead	NT4 Ammeter(s)	NT4 Plutonium Fuel Plate(s)
NT2 Power Line(s)	NT4 Flow Meter(s)	NT3 Fuel Rod(s)
NT2 Power Pole(s)	NT4 Ohmmeter(s)	NT3 Piles (Nuclear)
NT2 Power Supply	NT4 Potentiometer	NT2 Fuel Handling Equipment
NT3 Uninterruptible Power Supplies	NT4 Spectrometer(s)	NT3 Fuel Canister(s)
NT2 Preamplifier(s)	NT4 Tachometer(s)	NT3 Fuel Drawer(s)
NT2 Pull Box	NT4 Thermoluminescent Dosimeters	NT2 Fuel Tool(s)
NT2 Radio	NT4 Thermometer(s)	NT2 Glove Box
NT2 Rectifier(s)	NT4 Volt Meter	NT2 Heat Exchanger
NT2 Regulator	NT3 Level Alarm	NT3 Low Pressure Recirculation
NT2 Relay(s)	NT3 Log N Recorder	System Heat Exchanger
NT3 Building Power Low Voltage	NT3 Ram(s)	NT3 Shutdown Heat Exchanger
Relay	NT3 Recorder	NT2 Hepa Filter
NT3 Building Time Delay Relay	NT3 Testing Equipment	NT2 Ion Exchange Column
NT3 Phase Failure Relays	NT4 Heat Detector	NT2 Ion Pump
NT3 Scram Relay	NT4 Leak Detector	NT2 Log N Channel
NT2 Reset Device	NT4 Oscilloscope(s)	NT2 Manipulator
NT2 Resistor(s)	NT4 Scintillation Probe(s)	NT3 Electromechanical Manipulator(s)
NT2 Rheostat(s)	NT4 Sensor(s)	NT2 Neutron Source
NT2 Shut-Down Circuit(s)	NT1 Equipment/Parts - Material	NT2 Neutron(s)
NT2 Solar Collector(s)	Handling (DOE FRASE	NT2 Plutonium Process Hood
NT2 Solenoid(s)	Vocabulary)	NT2 Plutonium Recovery Process
NT2 Starter	NT2 Boom	NT2 Pressure Vessel Part
NT2 Switch Box	NT2 Drill Rig(s)	NT2 Pressure Vessel(s)
NT2 Switchboard	NT2 Heavy Mobile Equipment	NT2 Reactor Fuel
NT2 Switchgear	NT2 Highway Construction Equipment	NT2 Reactor Waste
NT2 Thermocouple(s)	NT2 Hook(s)	NT2 Reactor(s)
NT2 Transducer(s)	NT2 Load Securing Device	NT2 Rod Drive
NT2 Transformer(s)	NT2 Manipulator Tape	NT2 Shield Plug(s)
NT2 Transmitter(s)	NT2 Material Handling Device	NT2 Sodium Scrubber(s)
NT2 Trouble Light	NT3 Conveyor(s)	NT2 Test Train
NT2 Ultraviolet Equipment	NT3 Crane(s)	NT2 Transient Operation
NT2 Voltage	NT4 Boom Crane	NT2 Transient Test
NT2 Voltage Regulator	NT4 Bridge Crane	NT1 Equipment/Parts - Personal
NT2 Wiring	NT4 Mobile Crane	Protective (DOE FRASE
NT2 X-Ray Equipment	NT4 Overhead Crane	Vocabulary)
NT1 Equipment/Parts - Heating (DOE	NT3 Earth Moving Equipment	NT2 Personal Protective Equipment
FRASE Vocabulary)	NT4 Dredge(s)	NT3 Air Mask
NT2 Burner(s)	NT3 Hand Truck(s)	NT3 Anticontamination Clothing
NT2 Evaporator(s)	NT4 Cart(s)	NT4 Acid Suit
NT2 Heater(s)	NT4 Dolly	NT4 Lab Coat
NT3 Autoclave	NT3 Hoisting Apparatus	NT4 Radiation Suit
NT3 Boiler(s)	NT4 Derrick	NT3 Chin Strap
NT4 Boiler Part(s)	NT4 Elevator	NT3 Dust Mask
NT3 Feed Water Heater(s)	NT4 Forklift(s)	NT3 Eye Protection
NT3 Furnace(s)	NT4 Hoist(s)	NT4 Goggles
NT4 Boiler/Industrial Furnaces	NT5 Air Hoist	NT4 Safety Glasses
NT3 Oven(s)	NT4 Lift Bucket	NT5 Safety Glasses W Side Shields
NT3 Stove(s)	NT4 Manlift(s)	NT5 Tinted Safety Glasses

NT4 Side Shields
 NT3 Fall Protection Device
 NT4 Safety Belt
 NT4 Safety Line
 NT4 Safety Net
 NT3 Flame Retardant Clothing
 NT3 Foot Protection
 NT4 Ankle Protection
 NT4 Metatarsal Protection
 NT4 Safety Boots
 NT4 Safety Shoe(s)
 NT4 Shoe Cover(s)
 NT5 Metal Shoe Cover
 NT3 Hand Protection
 NT4 Glove(s)
 NT4 Wrist Band
 NT3 Head Protection
 NT4 Bump Cap
 NT4 Faceshield
 NT4 Hard Hat
 NT4 Helmet
 NT4 Sand Blaster's Hood
 NT4 Welder's Hood
 NT3 Hearing Protection
 NT4 Ear Plug(s)
 NT3 Leggings
 NT3 Padding
 NT3 Respirator(s)
 NT3 Seat Belt(s)
 NT1 Fuel Distribution Analyzer
 NT1 Installed Equipment
 NT1 Isolation Condenser
 NT1 Machines (DOE FRASE Vocabulary)
 NT2 Agitator
 NT2 Agricultural Machine
 NT2 Air Dryer
 NT2 Band Saw
 NT2 Biostabilizers
 NT2 Boring Machine
 NT2 Centrifuge
 NT2 Comminuters
 NT2 Compactor
 NT2 Compressor
 NT3 Air Compressor
 NT2 Concrete Saw
 NT2 Crushing Machine
 NT2 Discharge Machine
 NT2 Drilling Machine
 NT2 Drying Machine
 NT2 Electrical Office Machine
 NT2 Emergency Diesel Generator
 NT2 Grinding Machine
 NT2 Hammermills
 NT2 Lathe
 NT2 Milling Machine
 NT3 Ball Mill
 NT3 Roll Mill
 NT2 Mixing Machine
 NT2 Polishing Machine
 NT2 Press
 NT3 Isostatic Press
 NT2 Printing Machine
 NT2 Pump(s)
 NT3 Coolant Return Pump
 NT3 Ion Pump
 NT3 Reactor Coolant Pump
 NT3 Sump Pump
 NT2 Recirculator
 NT2 Sanding Machine
 NT2 Slicing Machine
 NT2 Stitching/Sewing Machine
 NT2 Table Saw
 NT2 Turbine
 NT2 Vacuum Cleaner
 NT1 Measurement and Test Equipment
 NT1 Monitors
 NT2 10-minute Delay Line Gamma Monitor
 NT2 Axial Power Monitors
 NT2 Constant Air Monitor
 NT2 Continuous Air Monitors
 NT2 Cooling Water Gamma Monitor
 NT2 Crane Drip Pan Monitor
 NT2 Essential Equipment Monitor
 NT2 Failed Element Monitors
 NT2 Flow Monitor
 NT2 Gang Temperature Monitor
 NT2 High Level Flux Monitor
 NT2 Internal Gamma Flux Monitor
 NT2 Low Energy Gamma Monitor
 NT2 Nuclear Incident Monitor
 NT2 Power Density Monitor
 NT2 Primary Environmental Monitors
 NT2 Process Water Gamma Monitor
 NT2 Radial Power Monitor
 NT2 Secondary Environmental Monitor
 NT2 Secondary Environmental Monitors
 NT2 Selection and Monitoring Chassis
 NT2 Stack Tritium Monitor
 NT2 Temperature Alarm Monitor
 NT2 Temperature Scram Circuit Monitor
 NT2 Traveling Wire Flux Monitor
 NT1 Motor Generator
 NT1 Motor Generator-Motor Alternator
 NT1 Multiplexor
 NT2 TRAnsient Multiplexor
 NT1 Other Equipment
 NT1 PCB Equipment
 NT1 Personnel Monitoring Equipment
 NT2 Personnel Dosimeters
 NT1 Process Units
 NT1 Programmatic Equipment
 NT1 Radiation Detectors
 NT2 Cooling Water Gamma Monitor
 NT2 Cutie Pies
 NT2 Dose Rate Meters
 NT2 Dosimeters
 NT3 Nuclear Accident Dosimeter
 NT3 Personnel Dosimeters
 NT3 Thermoluminescent Dosimeters
 NT2 External Fission Counter
 NT2 Geiger-Mueller Counters
 NT2 Geiger Counters
 NT2 Internal Fission Counter
 NT2 Internal Gamma Flux Monitor
 NT2 Ionization Chambers
 NT2 Kanne Alarm
 NT2 Low Energy Gamma Monitor
 NT2 Process Water Gamma Monitor
 NT2 Scintillation Counters
 NT2 Vibrating Reed Electrometers
 NT2 Whole Body Counter
 NT1 Rasps
 NT1 Slip Gauges
 NT1 Steam Generator
 NT2 Fossil Fuel and Wood Residue-Fired Steam Generating Unit
 NT1 Strippers
 NT1 Tools (DOE FRASE Vocabulary)
 NT2 Leader Seater
 NT2 Tools - Manual
 NT3 Ax(s)
 NT3 Broom(s)
 NT3 Brush(s)
 NT3 Chisel(s)
 NT3 Crowbar(s)
 NT3 Cutter(s)
 NT3 File(s)
 NT3 Hack Saw
 NT3 Hammer
 NT4 Sledgehammer(s)
 NT3 Hand Iron(s)
 NT3 Hand Saw
 NT3 Hand Stapler
 NT3 Hatchet(s)
 NT3 Hoe(s)
 NT3 Knife(s)
 NT4 Pocket Knife(s)
 NT3 Mop(s)
 NT3 Non-Powered Handtool(s)
 NT3 Pick(s)
 NT3 Plane(s)
 NT3 Pliers
 NT3 Punch
 NT3 Rake(s)
 NT3 Razor(s)
 NT3 Scalpel(s)
 NT3 Scissors
 NT3 Screwdriver(s)
 NT3 Shear(s)
 NT3 Shovel(s)
 NT3 Snips
 NT3 Snubber(s)
 NT3 Spatula(s)
 NT3 Threader(s)
 NT3 Tongs
 NT3 Torch(s)
 NT3 Tweezers
 NT3 Vise
 NT3 Vise Grips
 NT2 Tools - Powered
 NT3 Air Tamper
 NT3 Chain Saw
 NT3 Disk Sander(s)
 NT3 Jackhammer
 NT3 Mixer(s)
 NT3 Nail Gun
 NT3 Post Driver(s)
 NT3 Power Actuated Tool(s)
 NT3 Power Buffer(s)
 NT3 Power Chisel(s)
 NT3 Power Cutter(s)
 NT3 Power Drill(s)
 NT3 Power File(s)
 NT3 Power Grinder(s)
 NT3 Power Hammer(s)
 NT3 Power Impact Wrench(s)
 NT3 Power Polisher(s)
 NT3 Power Riveter(s)
 NT3 Power Sandblaster(s)
 NT3 Power Screwdriver(s)
 NT3 Power Spray Gun(s)
 NT3 Power Stapler(s)
 NT3 Power Waxer(s)
 NT3 Powered Handtool(s)
 NT3 Router(s)
 NT3 Soldering Iron(s)
 NT3 Spray Gun(s)
 NT3 Weed Eater
 NT2 Wrench(s)

BT-Broader Term

NT-Narrower Term

RT Related Term

NT3 Allen Wrench
 NT3 Impact Wrench
 NT3 Power Impact Wrench(s)
 NT3 Ratchet Wrench(s)
 NT3 Torque Wrench(s)
 NT1 Turbidity Removal Evaporator
 NT1 Vital Equipment
 NT1 ZENER Diodes
 RT Best Available Technology
 RT Booms
 RT Capacity Factor
 RT Components
 RT Devices
 RT Installations
 RT Personal Property
 RT Production Facilities
 RT Real Property
 RT Related Personal Property
 RT Targets
 SO Air Pollution
 DEF (DOE Order 4330.4A) The systems and devices used throughout DOE and commonly referred to as equipment are divided into three categories for the purpose of DOE Order 4330.4A. It is the intent of this definition to separately identify the installed equipment that can logically be considered as an integral part of a real property improvement from other types of equipment. The purpose of such a determination is to provide a uniform basis for analysis of various maintenance and repair costs.

1E (Electrical Equipment)

DA October 12, 1990
 SEE Class 1E Electrical Equipment
 SO Acronyms

EQUIPMENT ENGINEERING

DEPARTMENT
 DA January 8, 1991
 SF *EED (Equipment Engineering Department)*

EQUIPMENT INSTALLATION ACTIVITY

(1231 EI ACTIVITY)
 DA November 28, 1990
 BT1 Activity Types (DOE FRASE Vocabulary)
 BT2 Activities
 SO DOE FRASE VOCABULARY

EQUIPMENT OPERATOR

(0830 EQUIPMENT OP)
 DA November 28, 1990
 BT1 Transport Personnel
 BT2 Occupations
 BT2 Personnel
 SO DOE FRASE VOCABULARY

EQUIPMENT ROOM

(1693 EQUIPMENT RO)
 DA December 10, 1990
 BT1 Room
 BT2 Sites/Areas

SO DOE FRASE VOCABULARY
 SO Environmental Management

EQUIPMENT/PARTS - ELECTRICAL

(DOE FRASE VOCABULARY)
 (DOE FRASE Vocabulary Numeric Keys 2375-2474)

DA January 17, 1991
 BT1 Equipment
 NT1 Adapter(s)
 NT1 Amplifier(s)
 NT1 Antenna
 NT1 Appliance(s)
 NT2 Heating Appliance(s)
 NT1 Battery(s)
 NT1 Capacitor(s)
 NT1 Circuit Breaker(s)
 NT1 Circuit(s)
 NT1 Computer Terminal(s)
 NT1 Computer(s)
 NT1 Condenser(s)
 NT1 Conductor(s)
 NT1 Conduit(s)
 NT1 Diode(s)
 NT1 Electrical Apparatus
 NT1 Electrical Bus
 NT1 Electrical Insulator(s)
 NT1 Electrode(s)
 NT1 Fuse(s)
 NT1 Ground Fault Interrupter(s)
 NT1 Heat Coil
 NT1 Insulator
 NT1 Jumper
 NT1 Laser
 NT1 Light(s)
 NT1 Magnetic/Electrolytic Apparatus
 NT1 Motor(s)
 NT1 Outlet/Receptacle(s)
 NT1 Power Cord(s)
 NT1 Power Key(s)
 NT1 Power Lead
 NT1 Power Line(s)
 NT1 Power Pole(s)
 NT1 Power Supply
 NT2 Uninterruptible Power Supplies
 NT1 Preamplifier(s)
 NT1 Pull Box
 NT1 Radio
 NT1 Rectifier(s)
 NT1 Regulator
 NT1 Relay(s)
 NT2 Building Power Low Voltage Relay
 NT2 Building Time Delay Relay
 NT2 Phase Failure Relays
 NT2 Scram Relay
 NT1 Reset Device
 NT1 Resistor(s)
 NT1 Rheostat(s)
 NT1 Shut-Down Circuit(s)
 NT1 Solar Collector(s)
 NT1 Solenoid(s)
 NT1 Starter
 NT1 Switch Box
 NT1 Switchboard
 NT1 Switchgear
 NT1 Thermocouple(s)
 NT1 Transducer(s)
 NT1 Transformer(s)
 NT1 Transmitter(s)
 NT1 Trouble Light

NT1 Ultraviolet Equipment
 NT1 Voltage
 NT1 Voltage Regulator
 NT1 Wiring
 NT1 X-Ray Equipment
 RT DOE FRASE Categories
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the DOE FRASE Vocabulary.

EQUIPMENT/PARTS - HEATING (DOE FRASE VOCABULARY)

(DOE FRASE Vocabulary Numeric Keys 2475-2549)

DA January 17, 1991
 SY Heating Equipment
 BT1 Equipment
 NT1 Burner(s)
 NT1 Evaporator(s)
 NT1 Heater(s)
 NT2 Autoclave
 NT2 Boiler(s)
 NT3 Boiler Part(s)
 NT2 Feed Water Heater(s)
 NT2 Furnace(s)
 NT3 Boiler/Industrial Furnaces
 NT2 Oven(s)
 NT2 Stove(s)
 NT1 Incinerators
 NT2 Catalytic Incinerators
 NT2 Qualified Incinerators
 NT1 Pilot Light(s)
 NT1 Retort
 RT DOE FRASE Categories
 RT Heating Appliance(s)
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the DOE FRASE Vocabulary.

EQUIPMENT/PARTS - INSTRUMENTATION/MEASURING (DOE FRASE VOC.)

(DOE FRASE Vocabulary Numeric Keys 2750-2824)

DA January 17, 1991
 BT1 Equipment
 NT1 Ammeter(s)
 NT1 Bridge Crane
 NT1 Constant Air Monitor
 NT1 Count
 NT1 Fast Response Gamma Thermometer
 NT1 Instrument(s)
 NT2 Gauge(s)
 NT3 Scale(s)
 NT3 Straight Edge Ruler
 NT3 Thermostat(s)
 NT3 Time Clock
 NT2 Graphitar(s)
 NT2 Indicator(s)
 NT3 Ammeter(s)
 NT3 Flow Meter(s)
 NT3 Ohmmeter(s)
 NT3 Potentiometer
 NT3 Spectrometer(s)
 NT3 Tachometer(s)
 NT3 Thermoluminescent Dosimeters
 NT3 Thermometer(s)
 NT3 Volt Meter
 NT2 Level Alarm

NT2 Log N Recorder
 NT2 Ram(s)
 NT2 Recorder
 NT2 Testing Equipment
 NT3 Heat Detector
 NT3 Leak Detector
 NT3 Oscilloscope(s)
 NT3 Scintillation Probe(s)
 NT3 Sensor(s)
 RT DOE FRASE Categories
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the
 DOE FRASE Category.

**EQUIPMENT/PARTS - MATERIAL
 HANDLING (DOE FRASE
 VOCABULARY)**
 (DOE FRASE Vocabulary Numeric Keys
 2300-2374)

DA January 17, 1991
 BT1 Equipment
 NT1 Boom
 NT1 Drill Rig(s)
 NT1 Heavy Mobile Equipment
 NT1 Highway Construction Equipment
 NT1 Hook(s)
 NT1 Load Securing Device
 NT1 Manipulator Tape
 NT1 Material Handling Device
 NT2 Conveyor(s)
 NT2 Crane(s)
 NT3 Boom Crane
 NT3 Bridge Crane
 NT3 Mobile Crane
 NT3 Overhead Crane
 NT2 Earth Moving Equipment
 NT3 Dredge(s)
 NT2 Hand Truck(s)
 NT3 Cart(s)
 NT3 Dolly
 NT2 Hoisting Apparatus
 NT3 Derrick
 NT3 Elevator
 NT3 Forklift(s)
 NT3 Hoist(s)
 NT4 Air Hoist
 NT3 Lift Bucket
 NT3 Manlift(s)
 NT3 Scissor Lift
 NT1 Reel(s)
 NT1 Scraper
 NT1 Sling(s)
 NT1 Tine(s)
 RT DOE FRASE Categories
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the
 DOE FRASE Vocabulary.

**EQUIPMENT/PARTS - NUCLEAR (DOE
 FRASE VOCABULARY)**
 (DOE FRASE Vocabulary Numeric Keys
 2550-2649)

DA January 17, 1991
 BT1 Equipment
 BT1 Reactor Components
 NT1 Birdcage
 NT1 Burial Box(s)
 NT1 Cold Trap
 NT1 Control Panel(s)
 NT1 Control Rod Drive Assembly

NT1 Control Rod(s)
 NT2 Gangs
 NT2 Raincoats
 NT1 Coolant Return Pump
 NT1 Core(s)
 NT1 Exhaust Stack
 NT1 Flux Channel(s)
 NT1 Fuel Element(s)
 NT2 Fuel Plate
 NT3 Cladding
 NT3 Plutonium Fuel Plate(s)
 NT2 Fuel Rod(s)
 NT2 Piles (Nuclear)
 NT1 Fuel Handling Equipment
 NT2 Fuel Canister(s)
 NT2 Fuel Drawer(s)
 NT1 Fuel Tool(s)
 NT1 Glove Box
 NT1 Heat Exchanger
 NT2 Low Pressure Recirculation
 System Heat Exchanger
 NT2 Shutdown Heat Exchanger
 NT1 Hepa Filter
 NT1 Ion Exchange Column
 NT1 Ion Pump
 NT1 Log N Channel
 NT1 Manipulator
 NT2 Electromechanical Manipulator(s)
 NT1 Neutron Source
 NT1 Neutron(s)
 NT1 Plutonium Process Hood
 NT1 Plutonium Recovery Process
 NT1 Pressure Vessel Part
 NT1 Pressure Vessel(s)
 NT1 Reactor Fuel
 NT1 Reactor Waste
 NT1 Reactor(s)
 NT1 Rod Drive
 NT1 Shield Plug(s)
 NT1 Sodium Scrubber(s)
 NT1 Test Train
 NT1 Transient Operation
 NT1 Transient Test
 RT DOE FRASE Categories
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the
 DOE FRASE Vocabulary.

**EQUIPMENT/PARTS - PERSONAL
 PROTECTIVE (DOE FRASE
 VOCABULARY)**
 (DOE FRASE Vocabulary Numeric Keys
 2650-2749)

DA January 17, 1991
 BT1 Equipment
 NT1 Personal Protective Equipment
 NT2 Air Mask
 NT2 Anticontamination Clothing
 NT3 Acid Suit
 NT3 Lab Coat
 NT3 Radiation Suit
 NT2 Chin Strap
 NT2 Dust Mask
 NT2 Eye Protection
 NT3 Goggles
 NT3 Safety Glasses
 NT4 Safety Glasses W Side Shields
 NT4 Tinted Safety Glasses
 NT3 Side Shields
 NT2 Fall Protection Device

NT3 Safety Belt
 NT3 Safety Line
 NT3 Safety Net
 NT2 Flame Retardant Clothing
 NT2 Foot Protection
 NT3 Ankle Protection
 NT3 Metatarsal Protection
 NT3 Safety Boots
 NT3 Safety Shoe(s)
 NT3 Shoe Cover(s)
 NT4 Metal Shoe Cover
 NT2 Hand Protection
 NT3 Glove(s)
 NT3 Wrist Band
 NT2 Head Protection
 NT3 Bump Cap
 NT3 Faceshield
 NT3 Hard Hat
 NT3 Helmet
 NT3 Sand Blaster's Hood
 NT3 Welder's Hood
 NT2 Hearing Protection
 NT3 Ear Plug(s)
 NT2 Leggings
 NT2 Padding
 NT2 Respirator(s)
 NT2 Seat Belt(s)
 RT Barriers
 RT Clothing
 RT DOE FRASE Categories
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the
 DOE FRASE Vocabulary.

EQUIVALENCE DATA

DA January 24, 1991
 DEF (CFR) Chemical data or biological
 test data intended to show that
 two substances or mixtures are
 equivalent.

EQUIVALENT METHODS

(SWDA; CAA; RCRA; CFR; EPA)
 DA October 12, 1990
 RT Air Pollution
 RT Alternate Methods
 RT Functional Equivalent
 RT Reference Methods
 RT Sampling
 SO Air Pollution
 SO Environmental Management
 SO Environmental Protection Agency
 Glossary
 SO Wastes
 DEF (CFR) Methods of sampling and
 analyzing for air pollution which
 has been demonstrated to the
 EPA Administrator's satisfaction to
 be, under specific conditions, an
 acceptable alternative to the
 normally used reference methods.

ER (Environmental Restoration)

DA October 12, 1990
 SEE Office of Environmental Restoration
 and Waste Management
 SO Acronyms

ER (Office of Energy Research)
DA October 12, 1990
SEE Office of Energy Research
SO Acronyms

ERAB
DA October 12, 1990
SEE Energy Research Advisory Board
SO Acronyms

ERCWS
DA October 12, 1990
SEE Emergency Raw Cooling Water System
SO Acronyms

ERDA
DA October 12, 1990
SEE Energy Research and Development Administration
SO Acronyms

ERGONOMICS (SSDC)
DA October 12, 1990
SY Human Factors
SY Human Factors Engineering
SO System Safety Development Center Glossary
DEF (SSDC) English term for human factors or human factors engineering.

ERL
DA November 20, 1990
SEE Emergency Reference Levels
SO Acronyms

EROSION (EPA)
DA October 12, 1990
BT1 Processes
RT Contour Plowing
RT Groundcovers
RT Run-off
SO Environmental Protection Agency Glossary
DEF (EPA) The wearing away of land surface by wind or water. Erosion occurs naturally from weather or runoff but can be intensified by land-clearing practices related to farming, residential or industrial development, road building, or timber-cutting.

ERROR AND SENSITIVITY
DA January 8, 1991
SF *E&S*

ERROR SAMPLING (SSDC)
DA October 12, 1990
BT1 Sampling
BT2 Sampling and Analysis
RT Human Error

SO System Safety Development Center Glossary
DEF (SSDC) A defined, structured process employing experienced observers, defined deviations and reproducible patterns of observation.

ERT
DA October 12, 1990
SEE Emergency Response Teams
SO Acronyms

ERV
DA October 12, 1990
SEE Emergency Relief Valve
SO Acronyms

ES&H
DA October 12, 1990
SEE Environment, Safety, and Health (ES&H) Program
OR Environment, Safety, and Health
SO Acronyms
SO Industrial Hygiene
SO Management

ESA
DA February 12, 1991
SEE Endangered Species Act
SO Acronyms

ESCALATOR (1694 ESCALATOR)
DA December 10, 1990
BT1 Site (DOE FRASE Vocabulary)
BT2 Sites/Areas
RT Elevator
SO DOE FRASE VOCABULARY

ESCAPE HATCH (1695 ESCAPE HATCH)
DA December 10, 1990
BT1 Site (DOE FRASE Vocabulary)
BT2 Sites/Areas
SO DOE FRASE VOCABULARY

ESD
DA October 12, 1990
SEE Emergency Shutdown Device
SO Acronyms

ESF
DA October 12, 1990
SEE Engineered Safety Features
OR Engineered Safety Features (Shutdown)
SO Acronyms

ESFAS
DA October 12, 1990
SEE Engineered Safety Features Actuation System
SO Acronyms

ESP
DA October 12, 1990

SEE Electrostatic Precipitators
SO Acronyms

ESS
DA October 12, 1990
SEE Engagement Simulation Systems
SO Acronyms

ESS BLANKS (Doe Order 5480.16)
DA October 12, 1990
BT1 Blank Ammunition
RT Engagement Simulation Systems
SO Firearms
DEF (DOE Order 5480.16) Blank cartridges that are used in ESS equipment; including ordinary blank cartridges and special charges (e.g., LAW simulator charges).

ESSENTIAL EQUIPMENT MONITOR
DA January 8, 1991
SF *EEM*
BT1 Monitors
BT2 Equipment

ESSENTIAL EXPERIMENTAL POPULATIONS (ESA; CFR)
DA October 12, 1990
BT1 Experimental Populations
BT2 Populations
SO Endangered Species
DEF (CFR) Experimental populations whose loss would be likely to appreciably reduce the likelihood of the survival of the species in the wild. All other experimental populations are to be classified as "nonessential."

ESSENTIAL FACILITIES (SEA)
DA October 12, 1990
BT1 Facilities
RT Emergency Control Centers
RT Emergency Operations Centers
SO Construction
DEF (SEA) Structures that are necessary for emergency post-earthquake operations.

ESSENTIAL POWER
DA January 8, 1991
SF *EP*

ESTUARIES (EPA)
DA October 12, 1990
BT1 Surface Waters
BT2 Water
BT1 Surface Water Resources
BT2 Natural Resources
SO Environmental Protection Agency Glossary
DEF (EPA) Regions of interaction between rivers and nearshore

ocean waters, where tidal action and river flow create a mixing of fresh and salt water. These areas may include bays, mouths of rivers, salt marshes, and lagoons. These brackish water ecosystems shelter and feed marine life, birds, and wildlife.

ESW

DA October 12, 1990
SEE Emergency Service Water
SO Acronyms

ET

DA October 12, 1990
SEE Event Tree
SO Acronyms

ETEC

DA October 12, 1990
SEE Energy Technology Engineering Center (Canoga Park)
SO Acronyms

ETHYLENE DIBROMIDE

(EPA)
DA October 12, 1990
SF EDB
BT1 CERCLA Hazardous Substances
BT2 Hazardous Substances
BT1 Hazardous Constituents
RT Fumigants
RT Halogenated Organic Compounds
SO Environmental Protection Agency Glossary
DEF (EPA) A chemical used as an agricultural fumigant and in certain industrial processes. Extremely toxic and found to be a carcinogen in laboratory animals, EDB has been banned for most agricultural uses in the United States.

ETHYLENE DICHLORIDE PLANTS

(CAA; CFR)
DA October 12, 1990
BT1 Facilities
RT Ethylene Dichloride Purification
SO Air Pollution
DEF (CFR) Includes any plant which produces ethylene dichloride by reaction of oxygen and hydrogen chloride with ethylene.

ETHYLENE DICHLORIDE PURIFICATION

(CAA; CFR)
DA October 12, 1990
BT1 Purification Processes
BT2 Processes
RT Ethylene Dichloride Plants
RT Impurities
SO Air Pollution
DEF (CFR) Includes any part of the process of ethylene dichloride production which follows ethylene dichloride formation, excluding

product storage following the final finishing column.

ETIOLOGIC AGENTS

(CFR)
DA October 12, 1990
RT Hazards
RT Microorganisms
SO Hazardous Materials
DEF (CFR) The Hazardous Materials Regulations of the Department of Transportation concerning etiologic agents are supplemental to the regulations of the Department of Health, Education, and Welfare. For the purposes of controlling the transport of such agents in commerce, the DOT (Department of Transportation) defines etiologic agent as a viable microorganism, or its toxin, which causes or may cause human disease.

EUTROPHIC LAKES

(EPA)
DA October 12, 1990
BT1 Lakes
BT2 Inland Waters
BT2 Surface Waters
BT3 Water
BT2 Surface Water Resources
BT3 Natural Resources
RT Dystrophic Lakes
RT Enrichment
RT Oligotrophic Lakes
RT Senescence
SO Environmental Protection Agency Glossary
DEF (EPA) Shallow, murky bodies of water that have excessive concentrations of plant nutrients causing excessive algal production.

EUTROPHICATION

(EPA)
DA October 12, 1990
BT1 Processes
NT1 Cultural Eutrophication
NT1 Senescence
RT Algae
RT Aquatic Environment
RT Enrichment
RT Fertilizers
RT Lakes
RT Nutrients
RT Water Pollution
SO Environmental Protection Agency Glossary
DEF (EPA) The slow aging process during which a lake, estuary, or bay evolves into a bog or marsh and eventually disappears. During the later stages of eutrophication the water body is choked by abundant plant life as the result of increased amounts of nutritive compounds such as nitrogen and phosphorus. Human activities can accelerate the process.

EVAPORATION PONDS

(EPA)
DA October 12, 1990
BT1 Sites/Areas
RT Holding Ponds
RT Impoundment
RT Sewage Sludge
SO Environmental Protection Agency Glossary
DEF (EPA) Areas where sewage sludge is dumped and allowed to dry out.

EVAPORATOR(S)

(2481 EVAPORATOR)
DA January 3, 1991
BT1 Equipment/Parts - Heating (DOE FRASE Vocabulary)
BT2 Equipment
BT1 Heating Equipment
SO DOE FRASE VOCABULARY

EVAPORATOR CONDENSATE TANK

DA January 8, 1991
SF ECT
BT1 Tanks
BT2 Facility Components

EVAPOTRANSPIRATION

(EPA)
DA October 12, 1990
BT1 Biological Processes
BT2 Processes
RT Plants
RT Transpiration
SO Environmental Protection Agency Glossary
DEF (EPA) The loss of water from the soil both by evaporation and by transpiration from the plants growing in the soil.

EVENT TREE

DA January 8, 1991
SF ET
BT1 Analytical (Logic) Trees
BT2 Diagrams
RT Events

EVENTS

(DOE Order 5000.3A; SSDC, MORT)
DA October 12, 1990
SY Accidents
NT1 Exposure Event
NT1 Officially Reportable Events
NT1 Security Events
NT1 Trigger Event
NT1 Unusual Events
RT Accidents
RT Assumed Risks
RT Event Tree
RT Incidents
RT Licensee Event Report
RT Occurrences
RT Oversights and Omissions
SO System Safety Development Center Glossary
DEF (DOE Order 5000.3A) Real-time occurrences (e.g. pipe break, valve failure, loss of power, etc.).

(SSDC) Occurrences, happenings. Accidents involve a sequence of events that occur in the course of good-intentioned work activity, but that culminate in unintentional injury or damage. (MORT) MORT analysis of an event asks: What happened? Why? and What were the losses e.g. number and type of injuries, amount of property damage, production downtime, product degradation, reduction in employee morale, program impact, negative publicity, etc.

EVENTS AND CAUSAL FACTORS

(SSDC)

DA October 12, 1990

SF *E&CF*

RT Accidental Occurrences

RT Root Causes

SO System Safety Development Center Glossary

DEF (SSDC) In MORT, these terms are used together and an E&CF chart (diagram) is used to depict in logical sequence the necessary and sufficient events and causal factors for accident occurrence.

EVIDENCE

(SSDC)

DA October 12, 1990

SO System Safety Development Center Glossary

DEF (SSDC) Something that tends to prove; grounds for belief; in law, something legally presented before a court which bears on or establishes the point in question. The kinds of evidence are direct, circumstantial, and real.

EXCAVATION ZONE

(SWDA; RCRA; CFR)

DA October 12, 1990

BT1 Zones

BT2 Sites/Areas

RT Tank Systems

SO Wastes

DEF (CFR) The volume containing the tank system and backfill material bounded by the ground surface, walls, and floor of the pit and trenches into which the UST (Underground Storage Tank) system is placed at the time of installation.

EXCEPTIONS

(DOE Orders 5480.1B, 5480.18, and 5483.1A; ESH)

DA October 12, 1990

SY Variances

RT Exemptions

RT Limited Quantity

SO Industrial Hygiene

SO Industrial Safety

SO Management

SO Standards

DEF Interim releases from a standard of the type specified under the Occupational Safety and Health Act. Exceptions is processed in accordance with DOE 5483.1A. Exceptions shall not exceed 180 days and are not renewable.

EXCESS EMISSIONS

(CAA; CFR)

DA October 12, 1990

BT1 Particulate Matter Emissions

BT2 Emissions

BT3 Air Pollutants

RT Air Pollution

RT Standard of Performance

SO Air Pollution

DEF (CFR) Emissions of an air pollutant in excess of an emission standard.

EXCLUSION AREAS

(DOE Order 6430.1A; AEA; CFR)

DA October 12, 1990

BT1 Security Areas

BT2 Sites/Areas

RT Classified Matter

SO Construction

SO Environmental Management

DEF (DOE Order 6430.1A) Security areas for the protection of classified matter where mere access to the area would result in access to classified matter.

EXCLUSIONARY

(EPA)

DA October 12, 1990

SO Environmental Protection Agency Glossary

DEF (EPA) Any form of zoning ordinance that tends to exclude specific classes of persons or businesses from a particular district or area.

EXCRETORY SYSTEM

(1143 EXCRETORY SY)

DA November 28, 1990

BT1 Body System(s)

BT2 Human Body Parts

SO DOE FRASE VOCABULARY

EXEMPT OR LIMITED QUANTITIES

(EMER)

DA February 1, 1991

BT1 Quantities

RT Hazardous Materials

SO Emergency Preparedness

DEF (EMER) Quantities of hazardous material which are so limited in magnitude that they are exempt from most requirements specified in the federal regulations.

EXEMPT SOLVENTS

(EPA)

DA October 12, 1990

BT1 Solvents

SO Environmental Protection Agency Glossary

DEF (EPA) Specific organic compounds that are not subject to requirements of regulation because they have been deemed by EPA to be of negligible photochemical reactivity.

EXEMPTED AQUIFERS

(SDWA; CFR)

DA October 12, 1990

BT1 Aquifers

BT2 Formations

RT Underground Sources of Drinking Water

SO Water Pollution

DEF Underground bodies of water defined in the Underground Injection Control program as aquifers that are sources of drinking water (although they are not being used as such) and that are exempted from regulations barring underground injection activities. (CFR) An aquifer or its portion that meets the criteria in the definition of "underground source of drinking water" but which has been exempted according to the procedures of 40 CFR 144.3.

EXEMPTIONS

(DOE Orders 5480.2, 5480.18; TSCA; CFR)

DA October 12, 1990

NT1 Field Level Exemptions

NT1 Generic Exemptions

NT1 Permanent Exemptions

NT1 Temporary Exemptions

RT Exceptions

SO Environmental Management

SO Standards

DEF (DOE Order 5480.2) Releases from the requirements of this Order or any selected requirements of this Order.

EXERCISES

DA February 13, 1991

NT1 Drills

NT1 Federal Field Exercises

NT1 Force-on-Force Exercises

NT1 Full-Scale Exercises

NT1 Tabletop

SO Emergency Preparedness

DEF (WTID) Actions characterized by maneuvers, drills, and other repetitive operations; and carried out for testing, training, or discipline.

EXHAUST GASES

(CFR)

DA October 12, 1990

BT1 Emissions

BT2 Air Pollutants

BT1 Gases

RT Air Pollution

RT Stacks
 SO Air Pollution
 DEF (CFR) Any offgases (the constituents of which may consist of any fluids, either as a liquid and/or gas) discharged directly or ultimately to the atmosphere that were initially contained in or were in direct contact with the equipment for which exhaust gas limits are prescribed in 40 CFR 61.62 (a) and (b); 61.63(a); 61.64 (a)(1), (a)(2), (b), (c), and (d); 61.65(b) (1)(ii), (b)(2), (b)(5), (b)(6)(ii) and (b)(9)(ii).

EXHAUST STACK

(2560 EXHAUST STAC)
 DA January 3, 1991
 SY Stack Effect
 BT1 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
 BT2 Equipment
 BT2 Reactor Components
 SO DOE FRASE VOCABULARY

EXISTING CLASS II WELLS

(SDWA; CFR)
 DA October 12, 1990
 BT1 Class II Wells
 BT2 Injection Wells
 BT3 Wells
 SO Water Pollution
 DEF Wells that were authorized by BIA (Bureau of Indian Affairs) and constructed and completed before the effective date of this program.

EXISTING FACILITIES

(SWDA; ESH)
 DA November 9, 1990
 SY Existing Hazardous Waste Management (HWM) Facilities
 BT1 Facilities
 NT1 Reconstructed Sources
 SO Wastes
 DEF Facilities which were in operation or for which construction commenced on or before November 19, 1980. A facility has commenced construction if (a) the owner or operator has obtained the Federal, State and local approvals or permits necessary to begin physical construction; and either (b)(1) a continuous on-site, physical construction program has begun; or (2) the owner or operator has entered into contractual obligations which cannot be cancelled or modified without substantial loss - for physical construction of the facility to be completed within a reasonable time.

EXISTING HAZARDOUS WASTE MANAGEMENT (HWM) FACILITIES
(SWDA; RCRA; CFR; ESH)

DA October 12, 1990
 SY Existing Facilities
 BT1 Hazardous Waste Management Facilities
 BT2 Hazardous Waste Facilities
 BT3 Facilities
 SO Environmental Management
 SO Wastes
 DEF (CFR) Facilities which were in operation or for which construction commenced on or before November 19, 1980. A facility has commenced construction if: (a) the owner or operator has obtained the Federal, State and local approvals or permits necessary to begin physical construction; and either (b)(1) a continuous on-site, physical construction program has begun; or (2) the owner or operator has entered into contractual obligations which cannot be cancelled or modified without substantial loss - for physical construction of the facility to be completed within a reasonable time.

EXISTING INJECTION WELLS

(SDWA; CFR)
 DA October 12, 1990
 BT1 Injection Wells
 BT2 Wells
 SO Water Pollution
 DEF An injection well other than a new injection well.

EXISTING SOURCES

(CAA; CFR; USC)
 DA October 12, 1990
 SY Existing Stationary Facilities
 BT1 Stationary Sources
 BT2 Facilities
 RT Reasonably Available Control Technology
 SO Air Pollution
 SO Environmental Management
 DEF (CFR) Stationary sources that are not new sources.

EXISTING STATIONARY FACILITIES

(CAA; CFR)
 DA October 12, 1990
 SY Existing Sources
 BT1 Stationary Sources
 BT2 Facilities
 SO Air Pollution
 DEF (CFR) Any of the following stationary sources of air pollutants, including any reconstructed source, which was not in operation prior to August 7, 1962, and was in existence on August 7, 1977, and has the potential to emit 250 tons per year or more of any air pollutant. In determining potential to emit, fugitive emissions, to the extent quantifiable, must be counted. See listing at 40 CFR 51.301 (e) et seq.

EXISTING TAILINGS PILES

(CAA; CFR)
 DA October 12, 1990
 RT New Tailings
 RT Piles (Wastes)
 RT Tailings
 SO Air Pollution
 DEF (CFR) Tailings piles that are in operation on the effective date of this rule (40 CFR 61).

EXISTING TANK SYSTEMS

(SWDA; RCRA; ESA; CFR)
 DA October 12, 1990
 BT1 Tank Systems
 SO Environmental Management
 SO Wastes
 DEF (CFR) Tank systems used to contain an accumulation of regulated substances or for which installation has commenced on or before December 22, 1988. Installation is considered to have commenced if (a) the owner or operator has obtained all federal, state, and local approvals or permits necessary to begin physical construction of the site or installation of the tank system; and if, (b)(1) either a continuous on-site physical construction or installation program has begun; or, (2) the owner or operator has entered into contractual obligations - which cannot be cancelled or modified without substantial loss - for physical construction at the site or installation of the tank system to be completed within a reasonable time.

EXIT

(1696 EXIT;N)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 SO DOE FRASE VOCABULARY

EXPANSION JOINTS

(DOE Order 6430.1A)
 DA October 12, 1990
 SO Construction
 DEF (DOE Order 6430.1A) Joints between parts of a structure to avoid distortion when subjected to temperature change.

EXPERIMENTAL BOILING WATER REACTOR

DA January 8, 1991
 SF EBWR
 BT1 Reactors

EXPERIMENTAL POPULATIONS

(ESA; CFR)
 DA October 12, 1990
 BT1 Populations
 NT1 Essential Experimental Populations

SO Endangered Species
DEF (CFR) Introduced and/or designated populations (including any offspring arising solely therefrom) that have been so designated in accordance with the procedures of this subpart but only when, and at such times as the populations are wholly separate geographically from nonexperimental populations of the same species. Where part of an experimental population overlaps with natural populations of the same species on a particular occasion, but is wholly separate at other times, specimens of the experimental population will not be recognized as such while in the area of overlap. That is, experimental status will only be recognized outside the areas of overlap. Thus, such a population shall be treated as experimental only when the times of geographic separation are reasonably predictable; e.g., fixed migration patterns, natural or man-made barriers. A population is not treated as experimental if total separation will occur solely as a result of random and unpredictable events.

EXPERIMENTAL START DATE

(TSCA)
DA October 19, 1990
BT1 Time Designations
SO Hazardous Materials
DEF (TSCA) The first date the test substance is applied to the test system.

EXPERIMENTAL TERMINATION DATE

(TSCA)
DA October 19, 1990
BT1 Time Designations
SO Hazardous Materials
DEF (TSCA) The last date on which data are collected directly from the study.

EXPLOSION SUPPRESSION SYSTEM

(2032 ESS)
DA December 10, 1990
BT1 Emergency Systems
BT2 Systems
BT1 Systems (DOE FRASE Vocabulary)
BT2 Systems
SO DOE FRASE VOCABULARY

EXPLOSIVE BOMBS

(HMTA; CFR)
DA May 20, 1991
BT1 Munitions
SO Hazardous Materials
DEF (CFR) Explosive bombs are metal or other containers filled with explosives. They are used in

warfare and include aeroplane bombs and depth bombs

EXPLOSIVE MINES

(HMTA; CFR)
DA May 20, 1991
BT1 Munitions
SO Hazardous Materials
DEF (CFR) Explosive mines are metal or composition containers filled with a high explosive.

EXPLOSIVE ORDNANCE DISPOSAL

TEAMS (EMER)
DA February 1, 1991
BT1 Response Teams
BT2 Teams
BT3 Administrative Organizations
BT4 Organizations
RT Explosives
RT Explosives Ordnance Disposal
SO Emergency Preparedness
DEF (EMER) Teams of trained explosive ordnance personnel. Responsibilities include identification, examination, and disposal of explosive ordnance.

EXPLOSIVE PROJECTILES

(HMTA; CFR)
DA May 20, 1991
BT1 Munitions
RT Explosives
SO Hazardous Materials
DEF (CFR) Explosive projectiles are shells, projectiles, warheads, or rocket heads, loaded with explosives or bursting charges, with or without other materials, for use in cannons, guns, tubes, mortars or other firing or launching devices.

EXPLOSIVE TORPEDOES

(HMTA; CFR)
DA May 20, 1991
BT1 Munitions
SO Hazardous Materials
DEF (CFR) Explosive torpedoes, such as are used in warfare, are metal devices containing a means of propulsion and a quantity of high explosives.

EXPLOSIVES

(DOE Order 6430.1A)
DA October 12, 1990
NT1 Blasting Agents
NT1 Cased Explosives
NT1 Class A Explosives
NT1 Class B Explosives
NT2 Starter Cartridges
NT1 Class C Explosives
NT1 High Explosives
NT2 Insensitive High Explosives
RT Bomb Threats
RT Bureau of Explosives
RT Deflagration

RT Detonators
RT Detonations
RT Explosive Ordnance Disposal Teams
RT Explosives Buildings
RT Explosives Hazard Classes
RT Explosive Projectiles
RT Hazards
RT Ignitability
RT Initiation Stimuli
RT Munitions
SO Construction
DEF (DOE Order 6430.1A) Chemical compounds or mechanical mixtures that, when subjected to heat, impact, friction, shock, or other suitable initiation stimulus, undergo a very rapid chemical change with the evolution of large volumes of highly heated gases that exert pressures in the surrounding medium. The term applies to materials that either detonate or deflagrate.

EXPLOSIVES ACTIVITIES

(DOE Order 6430.1A)
DA October 12, 1990
BT1 Activities
RT Explosives Hazard Classes
RT Magazine Vessels
RT Support Buildings
SO Construction
DEF (DOE Order 6430.1A) Functions (storage, handling, and processing) involving explosives from the manufacture or receipt of the explosives through the final shipping, configuration, including final storage but excluding the movement of explosives between explosives areas.

EXPLOSIVES BAYS

(DOE Order 6430.1A)
DA October 12, 1990
BT1 Explosives Buildings
BT2 Structures (DOE FRASE Vocabulary)
NT1 Staging Bays (in-process)
SO Construction
DEF (DOE Order 6430.1A) Locations (room, cubicle, cell, work area) containing a single type of explosives activity that affords the requirement protection for the appropriate hazard classification (Class I, II, III, IV) of the explosives activity involved. Examples of such explosives activities are machining, pressing, meltcasting, nondestructive testing, and assembly operations.

EXPLOSIVES BUILDINGS

(DOE Order 6430.1A)
DA October 12, 1990
BT1 Structures (DOE FRASE Vocabulary)
NT1 Explosives Bays

NT2 Staging Bays (in-process)
RT Explosives
RT Explosives Hazard Classes
RT Inhabited Building Distance
RT Occupied Area (Explosives)
SO Construction
DEF (DOE Order 6430.1A) Structures containing one or more explosives bays.

EXPLOSIVES HAZARD, CLASS I
 (DOE Order 6430.1A)
 DA October 12, 1990
BT1 Explosives Hazard Classes
SO Construction
DEF (DOE Order 6430.1A) Class I consists of those explosives activities involving a high potential for an accident that is unacceptable for the exposure of any personnel, thus requiring remote operations. In general, this would include activities where the energies that may interface with the explosives are approaching the upper limits of safety, and/or loss of control of the energy is likely to exceed the safety limits for the explosives involved. This category includes those research and development activities where the safety implications have not been fully characterized. Examples of Class I activities are screening, blending, pressing, extrusion, drilling of holes, dry machining, some wet machining, machining explosives and metal in combination, development of some new explosives or explosives processing methods, and explosives disposal.

EXPLOSIVES HAZARD, CLASS II
 (DOE Order 6430.1A)
 DA October 12, 1990
BT1 Explosives Hazard Classes
SO Construction
DEF (DOE Order 6430.1A) Class II consists of those explosives activities that involve a moderate potential for an accident because of type of explosives, condition of the explosives and/or nature of the operations involved. This category consists of activities where the accident potential is greater than Class III, but exposure of personnel performing contact operations is acceptable. Included are activities where energies that do or may interface with the explosives are normally well within the safety boundaries for the explosives involved but where loss of control of these energies might approach the safety limits of the explosives. Examples of Class II activities involving HE are weighing, some

wet machining, assembly and disassembly, and environmental testing (exposure of explosives samples to variations in temperature, humidity, etc.).

EXPLOSIVES HAZARD, CLASS III
 (DOE Order 6430.1A)
 DA October 12, 1990
BT1 Explosives Hazard Classes
SO Construction
DEF (DOE Order 6430.1A) Class III consists of those explosives activities that represent a low potential for an accident because of the type of explosives, the conditions of the explosives and/or the nature of the activity involved. Class III includes explosives activities where the accident potential of the operation being performed is not significantly different from explosives storage. Examples are normal handling, storage, packaging, unpackaging, and some inspection and nondestructive testing.

EXPLOSIVES HAZARD, CLASS IV
 (DOE Order 6430.1A)
 DA October 12, 1990
BT1 Explosives Hazard Classes
SO Construction
DEF (DOE Order 6430.1A) Class IV consists of those explosives activities with insensitive high explosives (IHE) or IHE subassemblies that, although mass detonating, are so insensitive that there is negligible probability for accidental initiation or transition from burning to detonation. Explosions will be limited to pressure ruptures of containers heated in a fire. Although the fire hazards of IHE and IHE subassemblies are not as great as those of other explosives, it is classified as hazard class/division 1.3 (mass fire) to be consistent with DOD 6055.9. Most processing and storage activities with IHE and IHE subassemblies are class IV. However, the following are examples of explosive activities with IHE or IHE subassemblies that remain class I: pressing, some machining (see DOE/EV-06194), dry blending, dry milling, and dry screening.

EXPLOSIVES HAZARD CLASSES
 (DOE Order 6430.1A)
 DA October 12, 1990
NT1 Explosives Hazard, Class I
NT1 Explosives Hazard, Class II
NT1 Explosives Hazard, Class III
NT1 Explosives Hazard, Class IV
RT Explosives
RT Explosives Activities

RT Explosives Buildings
SO Construction
DEF (DOE Order 6430.1A) The level of protection required for any specific explosives activity, based on the hazard class (accident potential) for the explosives activity involved.

EXPLOSIVES ORDNANCE DISPOSAL
 DA January 8, 1991
SF EOD
RT Explosive Ordnance Disposal Teams

EXPOSURE
 (EPA; NIH; IAEA)
 DA October 12, 1990
NT1 Acute Exposure
NT1 Chronic Exposure
NT1 Emergency Exposure
NT1 Environmental Exposure
NT1 Irradiation
NT1 Medical Exposure
NT1 Occupational Exposure
NT1 Planned Special Exposure
NT1 Positive Exposure
RT Chronic Effects
RT Doses
RT Exposure Rate
RT Exposure Assessment
RT Exposure Event
RT Exposure Pathways
RT Exposure Point
RT Exposure Route
RT Film Badges
RT Ingestion Exposure Pathways
RT Ionizing Radiation
RT Lethal Concentration Low
RT Lethal Dose Low
RT Lethal Dose of Radiation
RT Level of Concern
RT Median Lethal Concentration
RT Radiation Areas
RT Risks
RT Routes (Exposure)
RT Slope Factor
RT Working Level Month
SO Environmental Protection Agency Glossary
SO Radiation
DEF (1) The amount of radiation or pollutant present in an environment which represents a potential health threat to the living organisms in that environment. (2) Contact of an organism with a chemical or physical agent. Exposure is quantified as the amount of the agent available at the exchange boundaries of the organism (e.g., skin, lungs, gut) and available for absorption. (NIH) A measure of the ionization produced in air by x or gamma radiation. It is the sum of the electrical charges on all ions of one sign produced in air when all electrons liberated by photons in a volume element of air are completely stopped in air, divided

by the mass of air in the volume element. The special unit of exposure is the roentgen.

EXPOSURE ASSESSMENT

(EPA)

DA October 12, 1990

BT1 Assessments

BT2 Administrative Processes

BT3 Processes

RT Exposure

SO Environmental Protection Agency Glossary

DEF (EPA) The determination or estimation (qualitative or quantitative) of the magnitude, frequency, duration, and route of exposure.

EXPOSURE EVENT

(EPA)

DA October 12, 1990

BT1 Events

RT Exposure

RT Exposure Route

SO Environmental Protection Agency Glossary

DEF (EPA) An incident of contact with a chemical or physical agent. An exposure event can be defined by time (e.g., day, hour) or by the incident (e.g., eating a single meal of contaminated fish).

EXPOSURE PATHWAYS

(EPA; IAEA)

DA October 12, 1990

BT1 Routes (Exposure)

NT1 Ingestion Exposure Pathways

NT1 Plume Exposure Pathways

RT Bioavailability

RT Common Exposure Routes

RT Critical Pathways

RT Exposure

RT Exposure Route

RT Food Chains

SO Environmental Protection Agency Glossary

SO Radiation

DEF (EPA) The course a chemical or physical agent takes from the source to the exposed organism. An exposure pathway describes a unique mechanism by which an individual or population is exposed to chemicals or physical agents at or originating from the site. Each exposure pathway includes a source or release from a source, an exposure point, and an exposure route. If the exposure point differs from the source, a transport/exposure medium (e.g., air) or media (in cases of intermedia transfer) also is included.

EXPOSURE POINT

(EPA)

DA October 12, 1990

NT1 Total Exposure Points

RT Exposure

RT Exposure Point Concentration

SO Environmental Protection Agency Glossary

DEF (EPA) A point of potential contact between an organism and a chemical or physical agent.

EXPOSURE POINT CONCENTRATION

(EPA)

DA October 12, 1990

BT1 Measurements

RT Exposure Point

SO Environmental Protection Agency Glossary

DEF (EPA) The concentration of a chemical at the exposure point.

EXPOSURE RATE

(IAEA)

DA October 12, 1990

BT1 Rates

RT Contact Rate

RT Exposure

SO Radiation

DEF (IAEA) The increment of exposure in a specified time interval.

EXPOSURE ROUTE

(EPA)

DA October 12, 1990

BT1 Routes (Exposure)

RT Exposure

RT Exposure Event

RT Exposure Pathways

SO Environmental Protection Agency Glossary

DEF (EPA) The way a chemical or physical agent comes in contact with an organism (i.e., by ingestion, inhalation, or dermal contact).

EXTERNAL CORROSION

(DOE Order 6430.1A)

DA October 12, 1990

BT1 Corrosion

BT2 Chemical Processes

BT3 Processes

SO Construction

DEF (DOE Order 6430.1A) Corrosion of that portion of a metal structure (i.e., pipe) that is exposed to external elements such as air, water, or soil.

EXTERNAL FISSION COUNTER

DA January 8, 1991

SF EFC

BT1 Radiation Detectors

BT2 Equipment

RT Count (Radiation Measurement)

EXTRACTION PLANTS

(CAA; CFR)

DA October 12, 1990

BT1 Facilities

RT Benefaction

RT Beryllium Ores

SO Air Pollution

DEF (CFR) Facilities chemically processing beryllium ore to beryllium metal, alloy, or oxide, or performing any of the intermediate steps in these processes.

EXTRACTION PROCEDURE TOXIC

DA January 8, 1991

SF EP Toxic

BT1 Procedures

EXTRACTION SITES

(CWA; CFR)

DA October 12, 1990

BT1 Sites/Areas

SO Water Pollution

DEF (CFR) The places from which the dredged or fill material proposed for discharge is to be removed.

EXTRAORDINARY NUCLEAR OCCURRENCES

(AEA; ANL)

DA May 24, 1991

BT1 Nuclear Incidents

BT2 Occurrences

RT Atomic Energy Act

RT Atomic Energy Commission

SO Radiation

SO Wastes

DEF (AEA) Any event causing a discharge or dispersal of source, special nuclear, or byproduct material from its intended place of confinement in amounts offsite, or causing radiation levels offsite, which the Commission determines to be substantial and which the Commission determines has resulted or will probably result in substantial damages to persons offsite or property offsite. Any determination by the Commission that such an event has or has not, occurred shall be final and conclusive, and no other official or any court shall have power or jurisdiction to review any such determination. The Commission shall establish criteria in writing setting forth the basis upon which such determination shall be made. As used in this "subsection," "offsite" means away from the "the location" or the contract location as defined in the applicable Commission indemnity agreement, entered into pursuant to section 170.

EXTREME VALUE

(SSDC)

DA October 12, 1990

BT1 Measurements

RT Extreme Value Projection

SO System Safety Development Center Glossary
 DEF (SSDC) The largest observation during a given period of observation.

EXTREME VALUE PROJECTION (SSDC)

DA October 12, 1990
 BT1 Measurements
 RT Derived Projection
 RT Extreme Value
 RT Risk Assessment
 SO System Safety Development Center Glossary
 DEF (SSDC) Risk projection based upon the worst event each period over a number of periods, such as the worst property damage case each 6 months over a period of 5 years.

EXTREMELY HAZARDOUS SUBSTANCES

(CERCLA; CFR; EMER)
 DA October 12, 1990
 BT1 Hazardous Substances
 BT1 Hazardous Chemicals
 BT2 Hazardous Substances
 RT CERCLA Hazardous Substances
 RT Listed Hazardous Substances
 RT Threshold Planning Quantities
 SO Compensation and Liability
 SO Emergency Preparedness
 DEF (EMER) Any of 406 chemicals identified by EPA on the basis of toxicity, and listed under SARA (Superfund Amendments and Reauthorization Act of 1986) Title III. The list is subject to revision.

EXTREMELY HAZARDOUS WASTES (EMER)

DA February 1, 1991
 BT1 Hazardous Wastes
 BT2 Hazardous Materials
 BT3 Materials
 BT2 Wastes
 SO Emergency Preparedness
 DEF (EMER) Any dangerous wastes which will persist in a hazardous form for several years or more at a disposal site. It presents a significant environmental hazard, may be concentrated by living organisms through a food chain, or may affect the genetic makeup of humans or wildlife. It is highly toxic to humans or wildlife if disposed of in such quantities as would present an extreme hazard to humans or the environment.

EXTREMITIES

(Doe Order 5480.11)
 DA October 12, 1990
 BT1 Human Body Parts
 RT Whole Body
 SO Industrial Hygiene
 DEF (DOE Order 5480.11) Extremities

include hands and arms below the elbow or feet and legs below the knee.

EYE(S)

(1084 EYE)
 DA November 28, 1990
 BT1 Face
 BT2 Head
 BT3 Human Body Parts
 RT Area Around Eye
 RT Eye Protection
 RT Eyelid(s)
 RT Goggles
 RT Safety Glasses
 RT Safety Glasses W Side Shields
 RT Side Shields
 SO DOE FRASE VOCABULARY

EYE PROTECTION

(2658 EYE PROTECTI)
 DA January 3, 1991
 BT1 Personal Protective Equipment
 BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT3 Equipment
 NT1 Goggles
 NT1 Safety Glasses
 NT2 Safety Glasses W Side Shields
 NT2 Tinted Safety Glasses
 NT1 Side Shields
 RT Area Around Eye
 RT Eye(s)
 RT Eyelid(s)
 SO DOE FRASE VOCABULARY

EYELID(S)

(1082 EYELID)
 DA November 28, 1990
 BT1 Area Around Eye
 BT2 Face
 BT3 Head
 BT4 Human Body Parts
 RT Conjunctivitis
 RT Eye Protection
 RT Eye(s)
 SO DOE FRASE VOCABULARY

F-V

DA October 12, 1990
 SEE Fussell-Vesely
 SO Acronyms

F/S

DA October 12, 1990
 SEE Frequency/Severity
 SO Acronyms

FAA

DA October 12, 1990
 SEE Federal Aviation Administration
 SO Acronyms

FABRIC FILTERS

(EPA)
 DA October 12, 1990
 BT1 Filters

BT2 Devices
 SO Environmental Protection Agency Glossary
 DEF (EPA) Cloth devices that catch dust particles from industrial emissions.

FABRICATING

(CAA; CFR)
 DA October 12, 1990
 BT1 Manufacturing Processes
 BT2 Processes
 RT Commercial Asbestos
 SO Air Pollution
 DEF (CFR) Any processing of a manufactured product that contains commercial asbestos, with the exception of processing at temporary sites for the construction or restoration of facilities.

FACE

(1081 FACE)
 DA November 28, 1990
 BT1 Head
 BT2 Human Body Parts
 NT1 Area Around Eye
 NT2 Eyelid(s)
 NT1 Eye(s)
 NT1 Lip(s)
 NT1 Nose
 RT Faceshield
 RT Mouth
 SO DOE FRASE VOCABULARY

FACESHIELD

(2659 FACESHIELD)
 DA January 3, 1991
 BT1 Head Protection
 BT2 Personal Protective Equipment
 BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT4 Equipment
 RT Face
 RT Forehead
 SO DOE FRASE VOCABULARY

FACILITIES

(DOE Order 5000.3; SWDA; CERCLA; CAA; CFR; ESH; EMER)
 DA October 12, 1990
 NT1 Affected Facilities
 NT1 Air Force Base
 NT1 Air Force Engineering and Services Center
 NT1 Asbestos Mills
 NT1 Atomic Energy Act Facilities
 NT1 Ceramic Plants
 NT1 Classified Telecommunications Facilities
 NT1 Command Posts
 NT1 Consolidated Incinerator Facility
 NT1 Contract Labs
 NT1 Critical Facilities
 NT1 Defense Waste Processing Facility
 NT1 Direct Dischargers
 NT1 DOE Nuclear Weapons Complex
 NT1 DOE Property