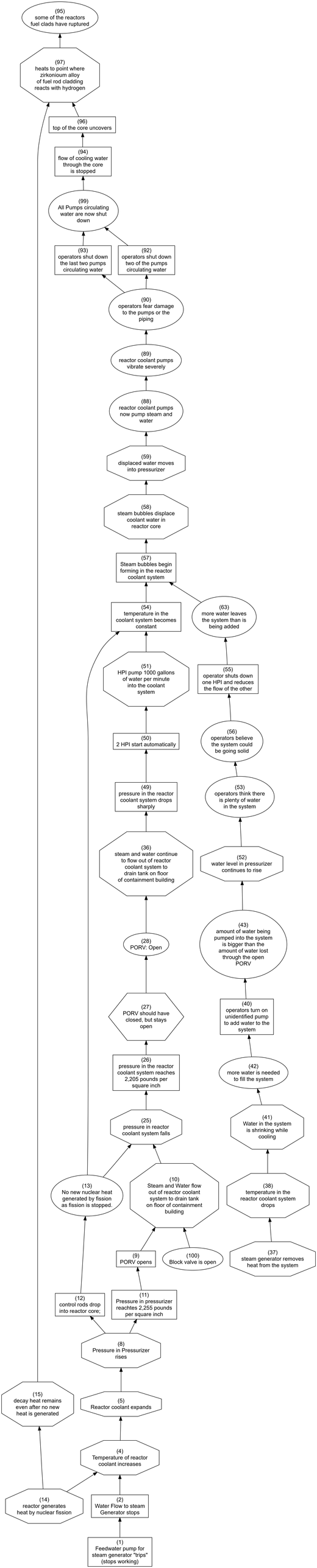
(95) some of the reactors fuel clads have ruptured
(97) heats to point where zirkonioum alloy of fuel rod cladding reacts with hydrogen
(96) top of the core uncovers
(94) flow of cooling water through the core is stopped
(99) All Pumps circulating water are now shut down
(93) operators shut down the last two pumps circulating water
(92) operators shut down two of the pumps circulating water
(90) operators fear damage to the pumps or the piping
(89) reactor coolant pumps vibrate severely
(88) reactor coolant pumps now pump steam and water
(59) displaced water moves into pressurizer
(58) steam bubbles displace coolant water in reactor core
(57) Steam bubbles begin forming in the reactor coolant system
(54) temperature in the coolant system becomes constant
(63) more water leaves the system than is being added
(51) HPI pump 1000 gallons of water per minute into the coolant system
(55) operator shuts down one HPI and reduces the flow of the other
(50) 2 HPI start automatically
(56) operators believe the system could be going solid
(49) pressure in the reactor coolant system drops sharply
(53) operators think there is plenty of water in the system
(36) steam and water continue to flow out of reactor coolant system to drain tank on floor of containment building
(52) water level in pressurizer continues to rise
(28) PORV: Open
(43) amount of water being pumped into the system is bigger than the amount of water lost through the open PORV
(27) PORV should have closed, but stays open
(40) operators turn on unidentified pump to add water to the system
(26) pressure in the reactor coolant system reaches 2,205 pounds per square inch
(42) more water is needed to fill the system
(25) pressure in reactor coolant system falls
(41) Water in the system is shrinking while cooling
(13) No new nuclear heat generated by fission as fission is stopped.
(10) Steam and Water flow out of reactor coolant system to drain tank on floor of containment building
(38) temperature in the reactor coolant system drops
(9) PORV opens
(100) Block valve is open
(37) steam generator removes heat from the system
(12) control rods drop into reactor core;
(11) Pressure in pressurizer reachtes 2,255 pounds per square inch
(8) Pressure in Pressurizer rises
(15) decay heat remains even after no new heat is generated
(5) Reactor coolant expands
(4) Temperature of reactor coolant increases
(14) reactor generates heat by nuclear fission
(2) Water Flow to steam Generator stops
(1) Feedwater pump for steam generator "trips" (stops working)