Proposed Change RTS-156 to the Duane Arnold Energy Center Technical Specifications

The holders of license DPR-49 for the Duane Arnold Energy Center propose to amend Appendix A (Technical Specifications) to said license by deleting current pages and replacing them with attached, new pages. A List of the Affected Pages is given below.

The following list of proposed changes is only administrative. The changes being made can be divided into three categories: Changes made to clarify existing wording, Changes made to update old references, and Changes made to correct typos.

Changes being made to clarify existing wording:

- (1) Section 3.2.C.2 is changed to clarify the time limit during which the minimum number of Rod Block Monitor channels can be reduced. The change does not constitute a change in the substance of the Specification.
- (2) Table 3.2-A is changed to clarify entries. High Flow Main Steam Line trip setting is listed as "less than or equal to 140% of rated steam flow." Since steam flow is measured as a pressure drop, the proposed change will add, in parenthesis, the pressure drop equivalent to 140% rated steam, flow, i.e., "(less than or equal to 110 psid)."
- (3) A title ("Instrumentation that Initiates Control Rod Blocks") has been added to Table 3.2-C to clarify what it contains.
- (4) Section 3.7.A.5.b is changed to clarify what is implied but not specifically stated. The specification states that the oxygen concentration is to be reduced to less than 4% by volume, and maintained in that condition, within 24 hours of placing the reactor in the run mode. If this requirement is not met it is implied that the reactor will be taken out of the run mode. This change will ensure that the plant is returned to a conservative safe configuration. Section 3.7.A.5.b is also changed to add "with the intent of commencing power operation" so in the event the reactor is put in the run mode to complete startup testing, a LCO does not have to be entered.
- (5) Sections 3.7.A.6.a and 3.7.A.6.b are changed to clarify the action statements. The current specifications simply state that "the reactor must be taken out of power operation". The proposed change will require a hot shutdown within 24 hours if the operability requirements cannot be met within the grace period.
- (6) Section 3.8 bases is changed to include requirements for operation with inoperable 24V batteries. A new paragraph is added to address what happens with these batteries inoperable.

-3-Page 3.1-21, Section 3.1 bases is revised to add "<" before the (19)ARM reading of "5" for insertion of the IRMs. The "less than" sign was originally included in the bases, but was inadvertently deleted by Amendment 14. Page 3.3-6, Section 4.3.C.1, is revised to add "to 50% rod density" in order to provide the proper range to indicate which rods are to be scram time tested. The Technical Specifications originally included this statement, but it was inadvertently deleted by Amendment 54. Section 4.8.1.b and Bases 3.8-12 are changed to delete the (21) shutting and restarting of the diesel generators to test for emergency load transfer. This isn't consistent with GDC 17, Reg. Guide 1.108 and the NRC Standard Review Plans. (See GL 83-30) Table 3.2-B, HPCI Turbine Steam Line High Flow trip settings are (22)being changed. Amendment 26 originally contained this change, but Amendment 28 inadvertently deleted it. (23) Page 3.6-2, Section 4.6.A.2 is revised to delete reference to Neutron flux wires. The wires were removed during the second refueling outage. (24) Bases Section 3.5.E is changed to explain maximum allowable repair time for RCIC. Changes being made to update old references: Section 3.6.B.2.a is changed to delete reference to the Limits on (1) Conductivity during the first occasion on which reactor coolant water temperature, as a result of nuclear heatup, reached 375°F. This occasion has already passed so that portion of the Specification is no longer applicable. Sections 3.8.B.4 and 6.11 are changed to replace references to (2) the "AEC" with "NRC". Sections 6.8.1 and 6.8.4 are changed to replace "Preparedness (3) Plan" with "Emergency Plan". "Quarterly" is taken out of Section 6.8.4 because the Emergency Plan does not require quarterly drills. Section 6.11.1.b is changed to replace "prior to March 1" with (4) "within 60 days of January 1" to make consistent with the rest of the reporting procedures. Page vi of the Table of Contents is changed to remove the (5) reference to Table 6.9-1. This table no longer exists. Section 4.3.C.2 and 4.3.C.3 are now deleted. These sections were (6) only valid prior to Cycle 6.

The Bases for Section 3.3 and 4.3 is revised to delete the reference to the tests described in Sections 4.3.C.2 and 4.3.C.3.

- (7) Section 3.3.B.5 has been changed to delete the phrase "designated qualified personnel". The responsibilities of the personnel are adequately defined elsewhere (p. 3.3-17).
- (8) Tables 3.2-H and 4.2-H are added to the Table of Contents and List of Tables.
- (9) Section 3.3.2.e is changed to replace reference to DAEC Chief Engineer with Plant Superintendent Nuclear.
- (10) Page 1.0-1, definition 1. is changed to include the reference to Nuclear Regulatory Commission rather than Atomic Energy Commission.
- (11) Table 3.2-B is changed to reference Reactor Low Level to current Top of Active Fuel.
- (12) The following pages are changed to update references to the FSAR.

1.0-7	3.3-12	3.7-11
1.1-14	3.3-13	3.7-12
1.2-4	3.4-7	3.7-32
3.1-15	3.5-14	3.7-39
3.1-19	3.5-20	3.7-44
3.2-36	3.6-2	3.7-49
3.2-37	3.6-16	5.1-1
3.2-38	3.6-27	5 3-1
3,2-39	3.6-33	5.4-1
3.3-8	3.6-37	

Changes being made to correct typographical errors:

- (1) Surveillance requirement 4.1.A.3 is changed to replace reference 2.1.B to 2.1.A.3. Currently it references the wrong table.
- (2) Table 3.1-1 is changed to read " \leq 120/125 of Full Scale" instead of "< 120/125 of Fuel Scale".
- (3) Section 6.8.2 is changed to replace 6.3.1 with 6.8.1.
- (4) Sections 6.7.3 and 6.7.2 are changed to replace reference to 6.12 with 6.11, the correct reference.
- (5) Bases Section 3.2 is changed to replace "6 times normal background" to "3 times normal background", the correct value.

LIST OF AFFECTED PAGES

V .	3.2-38	3./-12
vi	3.2-39	3.7-13
vii	3.3-1	3.7-14
1.0-1	3.3-4	3.7-32
1.0-7	3.3-5	3.7-39
1.1-1	3.3-6	3.7-44
1.1-5	3.3-8	3.7-49
1.1-14	3.3-12	3.8-2
1.2-4	3.3-13	3.8-5
3.1-1	3.3-17	3.8-10
3.1-3	3.3-18	3.8-12
3.1-15	3.4-7	3.9-2
3.1-19	3.5-9	3.12-3
3.1-21	3.5-14	5.1-1
3.2-2	3.5-20	5.3-1
3.2-5	3.5-21	5.4-1
3.2-5a	3.6-2	6.2-4
3.2-9	3.6-3b	6.7-1
3.2-13	3.6-16	6.8-2
3.2-14	3.6-27	6.8-2a
3.2-16	3.6-33	6.11-2
3.2-36	3.6-37	6.11-15
3.2-37	3.7-11	