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2NRC-4-195

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United States Nuclear Regulatory Commission Washington, DC 20555

ATTENTION: Mr. Darrell G. Eisenhut, Director

Division of Licensing

Office of Nuclear Reactor Regulation

SUBJECT:

Beaver Valley Power Station - Unit No. 2

Docket No. 50-412

Duquesne Light Company Backfit Status

Gentlemen:

In a recent letter (Mr. T. Novak to E. J. Woolever, dated November 6, 1984), the NRC transmitted to Duquesne Light Company (DLC) a brief discussion of nine backfit requirements which the NRC staff intends to impose on Beaver Valley Power Station - Unit 2 (BVPS-2).

Attachments one through nine provide the DLC positic's with respect to the staff's written positions or requirements.

DLC, as evidenced in the individual attachments, perceives the need for further clarification, of the requirements and their justification, in order to facilitate meaningful appeal meetings. In many of the autachments there is no precise statement of the requirements that the reviewers wish to impose. Further, since some of the implied requirements are not consistent with the most recent positions of the staff reviewers, DLC is not certain that the requirement has been sufficiently stabilized to ensure productive discussion of the merits of the issues.

DLC believes that NRR has developed a very workable procedure (Enclosure 2 of GNLR 84-08) to implement the requirements of NRC Manual Chapter 0514. We believe NRR's procedure intends that the appeal meetings provide a forum for evaluating the postulated increase in plant safety to determine whether the new requirement should be imposed. Without a clearly stated requirement and without an outline of the rationale by which the staff concluded that the proposed requirement provides a needed increase in safety, beyond that provided by existing regulations, DLC is unable to formulate and submit the well-defined position which is requisite to productive discussion of these issues.

My staff is available, as required, to expedite the completion of the preparatory steps which will lay the foundation for meaningful discussion of the merits of the staff's proposed requirements.

DUQUESNE LIGHT COMPANY

Woolever

Vice President

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United States Nuclear Regulatory Commission Mr. Darrell G. Eisenhat, Director Page 2

RW/wjs Attachments

cc: Mr. M. Clausen, Technical Assistant (w/a)

Mr. S. Chesnut, Technical Assistant (w/a)

Mr. H. Denton, Director NRR (w/a)

Mr. T. Novak, Assistant Director (w/a)

Mr. B. K. Singh, Project Manager (w/a)

Mr. V. Stello, DEDROGR (w/a)

Mr. J. Tourtellotte, Chairman RRTF (w/a)

Mr. G. Walton, NRC Resident Inspector (w/a)

ISSUE: Revie	w Criteria f	or Probable	Maximum Prec	ipitation	(PMP)	BACKFIT ISSUE NO : L-84-16 DLC BACKFIT NO .: 1			ATTACHMENT 1 PAGE 1 OF 2 TO DLC RESPONSE TO NRC LETTER DATED 11/06/84		
05/30/84 Backfit Identified	NRC Rqmnts Letter	Appeal Filed	Position Statement Submitted	Meeting Agenda Issued	First Appeal Meeting	Minutes & Decision Issued	Second Appeal Requested	Meeting Agenda Issued	Second Appeal Meeting	Minutes & Decision Issued	Formal Appeal Request to Dir, NRR
		N	NRC POSITION				DLC P	OSITION		CO	MMENTS
PROPOSED REQUIREMENTS	It is the staff contention that HMR 51/52 are the most recently available oublications on the subject of PMP east of the 105th meridian. Therefore, they should be used as the basis for review in accordance with procedures cited in SRP 2.4.2 and 2.4.3. It is recognized that the value of PMP cannot be determined probabilistically because of insufficient data. However, a deterministic model can be used.				that DLC sho 52. On May as a backfit In a letter requested th FSAR data wh On November tions of Oct The NRC posi HMR 51/52 s review. Thi ber 12, 1984 tain whether re-perform t	eceived Marchald evaluate 30, 1984, Direquirement dated Octobe at DLC answeich had been 8, 1984, DLC ober 12, 198 tion of Nove hould be use appears to letter. Find the NRC inthe PMP analy staff intend	The NRC's acceptance review found the BVPS-2 license application acceptable for docketing with the PMP evaluation based on HMR-33.				
HOW PROPOSED REQUIREMENT WOULD IMPROVE SAFETY	(PMP) can occur safety-related result could be of the facilit roof hatches a safety-related The second for plant gra- in leakage f	r in two ways: F structures which e structures fail y. Exceeding th and roof ventilato electrical equip looding pathway in de which exceed t rom this pathway.	littles as a result of the total part of the roof allowed the design level can be designed to the door stills of sa, as in the case of seential electrical	on of rainfall or load and design owing flooding of also result in ling can result for the can result for the can result in fety-related struckers ive roof processive roof pr	n roofs of level. The f the interior eakage through n the loss of water levels uctures. The	designed to parapet over event result increased as safety can be loading, and Probable Max HMR 33 as "scipitation' definition, cannot be derainfall int for the Pitt (during 1876 intensity of can demonst; HMR 33 PMP in o increase	s in increase cumulation. The demonstrate plant safet imum Precipi ynonymous wi "Since this cannot be expensive. The sburgh area b). The HMR f 9.3 inches, rate that a mas a probabi	r accumulating sed overflow Therefore, sed with respect to the sed with respect to the sed was a constant of the sed was analysis shour. Unless torm more sed to the sed was a constant of the sed was a	ion at the a greater PMP rather than no increase in pect to roof apromised. escribed in possible prefall which, by reased safety		

TO DLC RESPONSE BACKFIT ISSUE NO.: L-84-16 ISSUE: Review Criteria for Probable Maximum Precipitation (PMP) TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 1 DLC POSITION COMMENTS NRC POSITION RELATION OF HMR 33 methodology, as suggested by the SRP, was used to demonstrate that BVPS-2 meets GDC 2. NEW REQUIRE-General Design Criterion 2 (GDC-2), "Design bases for protection against natural MENT TO phenomena," of 10 CFR 50, Appendix A, requires, in part, that nuclear power BVPS-2 was designed prior to the issuance of HMR plant structures, systems and components be designed to withstand the effects EXISTING 51 and 52. RECULATORY of floods without loss of capability to perform their safety functions. POSITIONS Guidance is also contained in Regulatory Guides 1.59, "Design Basis Floods for Construction of the BVPS-2 safety related structures reached a significant percentage of com-Nuclear Power Plants", and 1.102, "Flood Protection for Nuclear Power Plants". Timese documents state that the appropriate design basis for precipitation induced pletion prior to the issuance of HMR 52. flooding is the Probable Maximum Flood (PMF) as developed by the Corps of Engineers. This PM criterion has been used by the staff since at least 1970 for require-No regulations provide for the use of HMR 51/52. ments of intense local precipitation. This review was incorporated into the Standard Review Plan (SRP) 2,4.2 and 2.4.3. No regulations require update of PMP evaluation methodology. SRP 2.4.2 refers to SRP Section 2.4.3 for PMP estimates, time distribution, SRP 2,4.3 states the following: Section VI References "In addition to the following specific references, Design Memoranda, Civil Works Investigations and research and development reports of the Crops of Engineers and reports of other federal and state agencies relevant to flood estimates at a specific site will be used on an "as-available" basis ... " Hydrometeorological Reports (HMR) 51 and 52 were issued jointly by National Oceanic and Atmospheric Administration (National Weather Service) and the U. S. Army Corps of Engineers in June 1978 and August 1982, respectively. DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA TION

PAGE 2 OF 2

ATTACHMENT 1

ISSUE: Fire	Suppression	in the Cab	le Spreading	Room		BACKFIT ISSUE NO.: L-84-10 DLC BACKFIT NO.: 17 ATTACHMENT 2 PAGE 1 OF 2 TO DLC RESPONSE TO NRC LETTER DATED 11/06/84					
05/30/84 Backfit Identified	11/06/84 NRC Rqmnts Letter	Appeal Filed	Position Statement Submitted	Meeting Agenda Issued	First Appeal Meeting	Minutes 6 Decision Issued	Second Appeal Requested	Meeting Agenda Issued	Second Appeal Meeting	Minutes & Decision Issued	Formal Appeal Request to Dir, NRR
		N	IRC POSITION				DLC P	OSITION		CO	MMENTS
PROPOSED REQUIREMENTS						letter. 2. The fire	suppression eading room	he November	6, 1984, the BVPS-2	staff may elevate th SRP 9.5.1 which it i reference, of a requi 50.34(g) s compliance	e status of and BTP 9.5-1, ncorporates by to the level rement, 10CFR
HOW PROPOSED. REQUIREMENT WOULD IMPROVE SAFETY	fire in the are normally condition.	in the program wo illosphy has not are acceptable m plish this action of time necessar ater does have th	" based on defense- uld cause a safety; been met. The abil- eans to put out fir- depends on meeting y to terminate the is lastation.	problem, then the ity to extinguish es. However, the a certain concer fire and prevent	ty trains which safe shutdown	the BVPS-2 c DLC does not be a weak li Further. it a defense-in protection o "weak, link." DLC agrees t tively extin Both water a must be cons design. The design requi pression sys requirements limitations. BVPS-2 uses cal switchge the cable sp DLC will tes prior to fue mance is cor ments. The testing. Cables from	able spreadiconsider the consider that in the deshe ld be not been specified by the programment of the programment of the programment of the capacitation of the capac	ng room than e selection of the selectio	of CO2 to pth chain, e strength of on the total an on a single can effec- irements which on system bel these Water sup- of design led as I has electri- area in which		

ISSUE: Fire Suppression in the Cable Spreading Room

BACKFIT ISSUE NO.: L-84-10

ATTACHMENT 2 PAGE 2 OF 2 TO DLC RESPONSE TO NRC LETTER DATED 11/06/84

DLC BACKFIT NO.: 17

	NRC POSITION	DLC POSITION	COMMENTS
RELATION OF NEW REQUIRE-MENT TO EXISTING REGULATORY POSITIONS	The applicable Standard Review Plan (NUREG-OROO) Section 9.5.1, paragraph II.2 identifies an acceptable level of safety for fire protection that will meet the requirements of \$50.48, GDC 3 and 5. In order to meet the above requirements, the following specific criteria have to be met: "Branch Technical Position (879) CMEB 9.5.1 as it relates to the design provisions given to implement the fire protection program." The 8TP CMEB 9.5-1 at paragraph C.7.c (page 9.5.1-45) states: "C. Cable Spreading Room The primary fire suppression in the cable spreading room should be an automatic water system such as closed-head sprinklers, open-head deluge system, or open directional water system"	None of the regulations pertaining to fire protection for nuclear power plants specify the suppression mediums to be used. Although the BTP 9.5-1 paragraph cited in the November 6, 1984, NRC letter expresses a preference for water, other parts of the same BTP address design considerations for gas suppression systems used in cable spreading rooms. At least 14 operating plants along with several NTOL's use gas systems as the primary fire suppression systems in cable spreading rooms. Since these plants have not been required to obtain exemptions to Title 10, DLC must conclude that water suppression is not required by existing regulations.	is not a requirement."
SUGGESTED TIME FOR IMPLEMENTA-		DLC is unable to establish a position since no time has been proposed.	

ATTACHMENT 3 TO DLC RESPONSE BACKFIT ISSUE NO .: L-84-13 ISSUE: Steam Generator Level TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO .: 9 05/30/84 11/06/84 Minutes & Minutes & Formal Second Meeting Second NRC Romnts Appeal Position Meeting First Backfit Appeal Decision Appeal Decision Appeal Agenda Statement Agenda Appeal Identified Letter Filed Issued Request to Meeting Issued Requested Issued Meeting Submitted Issued Dir, NRR COMMENTS DLC POSITION NRC POSITION A large number of plants are currently operating PROPOSED The design of the protection system for feedwater isolation on high steam with the standard Westinghouse 3 channel SG level REQUIREMENTS generator level should be modified in conformance with Section 4.7 of !EEE-STDcontrol/protection system. Many of these plants 279 as required by 10 CFR 50.55a(h). Otherwise, the safety analysis presented received CP's after January 1, 1971, and are, in Section 15 of the FSAR should be revised to demonstrate that the consequences therefore, subject to 10CFR50.55(h). Since these of steam generator overfill are not safety significant and that operator response plants have not been required to obtain exempto such events at any power level is not required in less than ten minutes. tions to 10CFR50.55(h), DLC must conclude that 10CFR50.55(h) does not require a fourth SG level channel. The hi-hi level trip is not required for protection from the excessive feedwater transient. The hi-hi steam generator level function is assumed in FSAR Chapter 15 only for the analysis of "feedwater system malfunctions causing an increase in feedwater flow." This analysis satisfies all applicable safety criteria, as the minimum DNBR remains above the protection limit and the minimum DNBR occurs prior to turbine trip (see FSAR Figure 15.1-2 and Table 15.1-1). The event postulated by the staff is extremely HOW PROPOSED improbable. Additionally, DLC has provided REQUIREMENT with the present derion a single failure of a steam generator level channel responses which demonstrate that the operator has WOULD could cause the feedwater control tystem to demand feedwater flow and also sufficient information and time to respond. The IMPROVE leave the steam generator high level feedwater isolation system unable to staff has not demonstrated that the postulated SAFETY improvement to safety warrants this new meet the single failure criterion. requirement. This position has not been provided by the NRC, RELATION OF therefore, DLC is unable to formulate a complete NEW REQUIREposition. MENT TO EXISTING REGULATORY POSITIONS DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA-TION

ATTACHMENT 4 PAGE 1 OF 2 TO DLC RESPONSE BACKFIT ISSUE NO.: L-84-12 ISSUE: Air Dryers for Emergency Diesel Generator TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 4 06/15/84 11/06/84 Formal Second Minutes & Position Meeting First Minutes & Second Meeting NRC Romnts Appeal Backfit Appeal Decision Appeal Decision Appeal Agenda Statement Agenda Appeal Identified Letter Filed Issued Request to Meeting Issued Submitted Issued Meeting Issued Requested Dir. NRR COMMENTS DLC POSITION NRC POSITION The Standard Review Plan is not a requirement. PROPOSED Standard Review Plan (SRP) Section 9.5.6 requires (10CFR50.34 states, "The SRP is not a substitute REQUIREMENTS installation of air dryers to prevent moisture accumulation in the emergency for the regulations, and compliance is not a diesel generator's air start system. requirement.") Operating history of diesel generators at BVPS-1 HOW PROPOSED has shown that proper maintenance and operating REQUIREMENT practices will allay the corrosion concern. The MOULD NUREG/CR 0660 study evaluated licensee event The air start system designed for Beaver Valley 2, which does not have air drivers. IMPROVE reports issued from 1969 through 1977 when the will not preclude corrosion and buildup of corrosion products within the system. SAFETY industry was less experienced with the operation The prevention of corrosion products is necessary because both experience and of diesel generators. This aspect of the report staff study MUREG/CR-0660 has identified moisture in air start systems as the single greatest cause of EDG unreliability. This could compromise the EDG is outdated and current industry data and practices must now be considered. meeting its safety function. A more recent study by the Institute for Nuclear Power Operations used 450 diesel-related LER's issued since Janauary 1980 to analyze failure data. This study shows that only 5 percent of the more recent failures were due to moisture. At BVPS-1, there have been no moisture-related failures resulting in LER's for the eight years since the implementation of revised operating and maintenance practices. Moisture in air start systems is clearly not the single greatest cause of EDG unreliability at BVPS or in the industry as a whole. The staff has failed to demonstrate that addition of air dryers will provide a substantial increase in overall plant safety.

ISSUE: A'r Dryers for Emergency Diesel Generator

BACKFIT ISSUE NO.: L-84-12

ATTACHMENT 4 PAGE 2 OF 2 TO DLC RESPONSE TO NRC LETTER DATED 11/06/84

DLC BACKFIT NO.: 1

	NRC POSITION	DLC POSITION	COMMENTS
RELATION OF NEW REQUIRE-MENT TO EXISTING REGULATORY POSITIONS	The design of the Emergency Diesel Engine Starting System (EDESS) is acceptable if the Integrated design of the system is in accordance with GDC 17. The Power Systems Branch review of the EDESS includes those system features necessary to assure reliable starting of the emergency diesel engine to conform with the requirements of GDC 17.	GDC 17 requires that onsite electric power supplies have sufficient independence, redundancy, and testability to perform their safety functions assuming a single failure. This is accomplished at BVPS-2 by providing independent and redundant diesel generators. BVPS-2 exceeds GDC 17 and the SRP acceptance criteria by providing two air starting systems for each diesel. DLC has determined that at least two operating plants do not use air dryers in the diesel air start systems. Since DLC is not aware that those plants have been required to obtain exemptions to Title 10, we must conclude that this is further evidence that no basis exists in regulation for requiring air dyers.	COMMENTS
SUGGESTED TIME FOR IMPLEMENTA- TION		DLC is unable to establish a position since no time has been proposed.	

ATTACHMENT 5 TO DLC RESPONSE BACKFIT ISSUE NO .: L-84-14 ISSUE: Motor Operated Accumulator Isolation Valve TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 5 11/06/84 06/15/84 Second Minutes & Formal First Minutes & Second Meeting Position Meeting Backfit NRC Romnts Appeal Decision Appeal Decision Appeal Agenda Appeal Identified Letter Filed Statement Agenda Appeal Issued Request to Meeting Submitted Issued Meeting Issued Requested Issued Dir. NRR COMMENTS DLC POSITION NRC POSITION No requirement is evident in the NRC letter dated PROPOSED November 6, 1984. DLC is, consequently, unable REQUIREMENTS to establish a position on the proposed requirement. No improvement to safety is evident in the NRC HOW PROPOSED position of November 6, 1984. REQUIREMENT The staff's concern is how power will be removed from the above valve motor WOULD to meet the single failure criterion of 10 CFR 50 Appendix A and what IMPROVE procedures will be in place to verify that power is removed. SAFETY DLC letters 2NRC-4-082, dated June 15, 1984, and RELATION OF 2NRC-4-076, dated June 8, 1984, describe BVPS-2 NEW REQUIREdesign and administrative controls. These MENT TO features meet the requirements of 10CFR50 and EXISTING Branch Technical Position 18 in SRP 8.1 requires prevention of undesirable through the guidance of BTP-18 meet those of REGULATORY mechanical motion of valve or fluid system components to prevent spurious IEEE-279. POSITIONS activation and loss of their system function. DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA-TION

ATTACHMENT 6 TO DLC RESPONSE BACKFIT ISSUE NO .: 'L-84-11 ISSUE: Spent Fuel Pool Heat Load TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 22 06/15/84 11/06/84 Minutes & Formal Second Minutes & Second Meeting NRC Romnts Position Meet ing First Backfit Appeal Appeal Agenda Appeal Decision Decision Appeal Statement Agenda Appeal Identified Letter Filed Issued Request to Meet ing Issued Requested Issued Submitted Issued Meeting Dir, NRR COMMENTS DLC POSITION NRC POSITION The BVPS-2 fuel pool cooling system satisfies the PROPOSED requirements of CDC-46. This has been established REQUIREMENTS The full storage capability of the pool is 1088 fuel assemblies. The applicant by providing the evaluation which SRP 9.1.3 should provide the results of an analysis which shows the capability of the recommends for demonstrating compliance with GDCcopling system for 1088 assemblies assuming successive refueling discharges. DLC agrees that overheating of the fuel pool is HOW PROPOSED undesirable. This statement, however, provides REQUIREMENT Overheating of the pool could result in the release of radioactivity from the no justification for additional analyses. The NRC WOULD stored fuel assemblies and possibly to the site environs. has not demonstrated that the acceptance criteria IMPROVE of SRP 9.1.3 does not reasonably preclude undue SAFETY risk to the health and safety of the public. The new staff request is a change of interpreta-RELATION OF tion of the following: NEW REQUIRE-MENT TO ine spent fuel pool cooling system must satisfy the requirements of General 1. 10CFR50.34(g): The SRP was issued to establish EXISTING Design Criterion 44 which states in part "The system safety function shall be criteria that the NRC staff intends to use in to transfer the combined heat load of these structures, systems, and components REGULATORY evaluating whether an applicant/licensee meets (1 e., those important to safety) under normal operating and accident conditions." POSITIONS the Commission's regulations. 2. Introduction to NUREG 0800 (SRP): Each section is written to provide the complete procedure and all acceptance criteria for all of the areas of review pertinent to that section. See Attachment #10 (NRR 3. NRR Office Letter No. 2: The Standard Review Plan represents the most definitive basis Office Letter No. 2). available for specifying NRC's design criteria and design guidelines for an "acceptable level of safety" for light water reactor facility reviews. DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA-TION

ATTACHMENT 7 Class IE Power for Lighting and TO DLC RESPONSE BACKFIT ISSUE NO.: L-84-15 ISSUE: Communications Systems TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 15 06/25/84 11/06/84 Minutes & Formal Second Meeting First Minutes & Second Position Meeting Backfit NRC Romnts Appeal Decision Appeal Decision Appeal Agenda Appeal Statement Agenda Appeal Filed Identified Letter Meeting Issued Request to issued Meet ing Issued Requested Submitted Issued Dir, NRR COMMENTS DLC POSITION NRC POSITION "Adequate" communications and lighting are not PROPOSED sufficiently defined to support preparation of a The staff requires that under a design basis seismic event, the applicant's REQUIREMENTS design should provide adequate communications between the control room and DLC posicion. necessary plant safety related areas and adequate lighting in these areas to enable operator to perform the necessary safety functions. Since the requirement is ambiguous, it cannot be HOW PROPOSED demonstrated how ov rall plant safety would be REQUIREMENT These requirements are necessary for operators and other plant personnel to improved. MOULD carry out their duties during emergencies. These duties involve many actions IMPROVE which are tied to safety system functioning. SAFETY The Standard Review Plan is not a requirement. RELATION OF In addition, the Standard Review Plan acceptance NEW REQUIRE-Standard Review Plan (SRP) 9.5.2 "Communication Systems" requires a capability criteria section states, "There are no general MENT TO of the system to provide effective intra-plant communications and effective design criteria or regulatory guides that EXISTING plant-to-offsite communications during normal plant operations and during directly apply to the safety-related performance REGULATORY transients, fire, and accident conditions, including loss of offsite power. requirements for the lighting system." POSITIONS The SRP further states "the communication system is acceptable if the interrated design of the system will provide effective communication between plant personnel in all vital areas during normal plant operation and during the 'ull spectrum of accident or incident conditions (including fire) under maximum potential raise level." SR# 9.5.3 Lighting Systems' requires the lighting systems to meet the following: "(1) a capab lity of the normal lighting systems(s) to provide adequate lighting during all plant operating conditions, and (2) a .apability of the emergency lighting system to provide adequate lighting during all plant operating conditions, including fire, transients and accident conditions, and the effect of loss-of-offsite power on the emergency lighting system". DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA-TION

TO DLC RESPONSE BACKFIT SSUE NO.: L-84-17 ISSUE: Alarm for Rocker Arm Lube Oil Reservoir TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 2 06/25/24 11/06/84 Minutes & F. rmal Second Position Meeting First Minutes & Second Meeting Backfit NRC Romnts Appeal Appeal Decision Appeal Statement Agenda Appeal Decision Appeal Agenda Filed Identified Letter Request to Requested Issued Meeting Issued Issued Meeting Issued Submitted Dir. NRR COMMENTS DLC POSITION NRC POSITION 1. Low pressure alarm warns operator. PROPOSED REQUIREMENTS 2. System design provides a reliable means of To satisfy this, the staff requires monitoring of lube oil level in the automatic make-up to rocker arm reservoir. reservoir tank or other means to assure the presence of a sufficient supply of 'ube oil. We would accept a sight glass level indicator for this purpose. 3. BV-2 design is similar to other plants where this manufacturer's design has proven reliable. Staff has not demonstrated that low pressure Lube all level is manitored because loss of lube all level in the reservoir HOW PROPOSED alarm in conjunction with auto make-up valve does tank would subject the rocker arm assembly to severe wear and/or to possible REQUIREMENT not provide sufficient reliability or that level engine failure while operating under load or to a dry start when starting WOULD switches or sight glasses increase safety. from a standby mode, and thus compromis the EDG availability to meet its IMPROVE safety function. SAFETY Proposed requirement exceeds the scope of SRP See Attachment #10 (NRR RELATION OF Office letter #2). which: Standard Review Plan (SRP) 9.5.7 "Emergency Diesel Engine Lubrication System" NEW REQUIRErequires that the diesel engine be provided with a dedicated lube off MENT TO 1. is guidance not requirement system design which includes measures to provide lubrication to the diesel EXISTING 2. does not suggest a level switch engine wearing parts during standhy conditions and/or normal and emergency REGULATORY POSITIONS starts. At least eight other plants have the same diesel. A survey is still in progress but it appears that the results will demonstrate that other plants, both operating and NTOL: 1. have the same diesel 2. do not have low level switches/alarms 3. did not require exemptions to Title 10 Therefore, DLC expects to conclude that there is no basis in regulation for this request. DLC is unable to establish a position since no SUGGESTED time has been proposed. TIME FOR IMPLEMENTA-TION

ATTACHMENT 8

ATTACHMENT 9 BACKFIT ISSUE NO.: Available TO DLC RESPONSE ISSUE: Diesel L.C. Fill Procedure TO NRC LETTER DATED 11/06/84 DLC BACKFIT NO.: 32 09/14/84 11/06/84 Minutes & Formal Minutes & Meeting Second Appeal Position Meeting First Second Backfit NRC Romnts Decision Appeal Appeal Decision Appeal Agenda Appeal Statement Agenda Identified Letter Filed Issued Meeting Issued Request to Issued Requested Submitted Issued Meeting Dir, NRR COMMENTS DLC POSITION NRC POSITION This requirement has no basis in regulation. This PROPOSED requirement is not consistent with the method of REQUIREMENTS handling procedures for other safety related The staff requires that operating prucedures be either located or posted in the evolutions. D/G raoms. This requirement would not be consistent with DLC administrative controls which ensure the use of controlled copies of approved procedures. The NRC staff has neither demonstrated that HOW PROPOSED locating procedures in the D/G room improves REQUIREMENT If operating procedures are not located or posted in the D/G room, lubricating plant safety nor that posting increases the prob-WOULD oil might be incorrectly added to the D/G without consulting the procedures and ability of using a current approved procedure. IMPROVE thus potentially compromise the availability of the D/G and its safety functions. SAFETY IE Circular 80-05 recommends that the procedure RELATION OF be available in the D/G room. NEW REQUIRE-MENT TO Standard Review Plan (SRP) 9.5.7 "Emergency Diesel Engine Lubrication System" The SRP recommends that diesel lube oil be kept EXISTING requires the system to be designed to preclude the entry of deleterious free of foreign material. Neither the SRP nor REGULATORY material into the system due to operator error or extreme natural phenomena IEC 80-05 require posting of procedures. POSITIONS during recharging or normal operation. (See also IE Circulator 80-05) At least two operating plants do not keep this procedure in the D/G room. Since no exemption to Title 10 requirements was required of these plants, DLC must conclude that no basis exists in regulation for this requirement. DLC is unable to establish a position since no SUCCESTED time has been proposed. TIME FOR IMPLEMENTA-TION