



Duane Arnold Energy Center
3277 DAEC Road
Palo, IA 52324
Telephone 319 851 7611
Fax 319 851 7611

NG-96-2680
December 18, 1996

Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-37
Washington, DC 20555-0001

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Response to Request for Closure Information on Various Duane Arnold
Energy Center Open Items

- References:
1. Letter, Mineck (IELP) to Murley (NRC), NG-92-0084, dated January 8, 1992, "Status of RG 1.97 Activities at DAEC."
 2. Letter, Franz (IELP) to Murley (NRC), NG-92-2629, dated June 26, 1992, "Status of RG 1.97 Activities at DAEC."
 3. Letter, Pulsifer (NRC) to Liu (IELP), dated August 4, 1993, "Duane Arnold Energy Center - Conformance to Regulatory Guide 1.97, Rev. 2 (TAC M84788)."
 4. Letter, Franz (IELP) to Murley (NRC), NG-93-2078, dated June 4, 1993, "Response to NRC Request for Review of DAEC Conformance to NEDO-31558, "Position on NRC Regulatory Guide 1.97, Revision 3, Requirements for Post Accident Neutron Monitoring System."
 5. Letter, Franz (IES) to Russell (NRC), NG-96-0522, dated March 18, 1996, "Generic Letter 89-10 Program Scope."

File: A-100

Dear Sirs:

Your staff requested, via telecon, information to support closure of several open items for the Duane Arnold Energy Center (DAEC). The following information is provided to support that request.

9612260059 961218
PDR ADOCK 05000331
P PDR

A002
1/0

Reference 1 identified various activities that required further evaluation based upon our review of our Regulatory Guide (RG) 1.97 program. Reference 2 provided the results of our evaluations and a schedule for the completion of proposed modifications. Reference 3 provided a supplemental safety evaluation report for the DAEC RG 1.97 program. All activities identified in References 1 and 2 have been completed.

Reference 4 documented the need to complete additional reviews of the DAEC neutron monitoring systems (NMS) for conformance to NEDO-31558. These reviews have been completed. Modifications were performed during Refuel Outage 14 to the Average Power Range Monitor (APRM) recorder power supplies to comply with RG 1.97 requirements. All actions are complete.

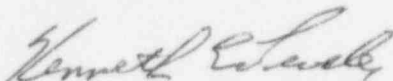
Reference 5 identified commitments to address Staff concerns regarding the ability of seventeen valves to return to their standby-readiness position. The commitments listed have been completed and changes made to the MOV program as appropriate.

Various Amendments to the DAEC Technical Specifications (TS) were also issued and implemented. The following Amendments, corresponding submittal document (IES NG letter reference), and the effective date of each Amendment are provided to facilitate closure:

<u>TS Amendment # (IES reference letter)</u>	<u>Effective date</u>
Amend. 214 (NG-95-2067)	July 3, 1996
Amend. 215 (NG-95-3121)	Nov. 6, 1996
Amend. 216 (NG-96-0299)	Oct. 14, 1996
Amend. 217 (NG-95-3621)	Oct. 25, 1996
Amend. 218 (NG-96-1297)	Oct. 10, 1996
Amend. 219 (NG-95-2985)	Oct. 14, 1996

Should you have any questions concerning this submittal, please contact this office.

Sincerely,



Kenneth E. Peveler
Manager, Regulatory Performance

cc: T. Page
L. Root
J. Franz
G. Kelly (NRC-NRR)
A. B. Beach (Region III)
NRC Resident Office
Docu