



**Entergy**

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August 15, 2003

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Arkansas Nuclear One – Unit 2  
Docket No. 50-368  
License No. NPF-6  
License Renewal Application Table of Contents and Matrix

Dear Sir or Madam:

In order to assist the NRC Staff in preparation for review of the Arkansas Nuclear One, Unit-2 (ANO-2), License Renewal Application (LRA), Entergy is providing a draft table of contents for the ANO-2 LRA and associated programs/systems matrix. Attachment 1 is the draft table of contents, and Attachment 2 is the matrix for the draft programs and systems/aging management reports (AMRs).

This submittal contains no commitments. Should you have any questions concerning this submittal, please contact Ms. Natalie Mosher at (479) 858-4635.

Sincerely,

for Glenn R. Ashley  
Manager, Licensing

GRA/nbm  
attachments

A100  
,

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## ANO-2 Programs vs. Systems/AMRs

**07-31-03**

| Program Name      |   | Reactor Coolant | Emergency Core Cooling | Containment Spray | Containment Cooling | Hydrogen Control | Containment Penetrations | Spent Fuel Cooling | Water Suppression Fire Protection | Emergency Diesel Generator | Chemical and Volume Control | Alternate AC Diesel Generator | Halon Fire Prot. & RCP Motor Oil Collection | Fuel Oil System | Service Water | Auxiliary Bldg. Ventilation System | Control Room Ventilation | Main Steam System | Main Feedwater | EPW and Condensate Storage | Non-safety Related Systems Affecting Safety Related | Containment Building | Aux. Bldg. Turb. Bldg and Yard Structure | Intake Structure and ECP | Bulk Commodities | Electrical Commodities | Time Limited Aging Analysis (TLAA) - EQ | TLAA & Exemption Evaluations | TLAA - Mechanical Fatigue |
|-------------------|---|-----------------|------------------------|-------------------|---------------------|------------------|--------------------------|--------------------|-----------------------------------|----------------------------|-----------------------------|-------------------------------|---|-----------------|---------------|------------------------------------|--------------------------|-------------------|----------------|----------------------------|---|----------------------|--|--------------------------|------------------|------------------------|---|------------------------------|---------------------------|
| New Programs      |   |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Alloy 600   | X               |                        |                   |                     |                  |                          |                    | X                                 |                            |                             |                               |   | X               | X             |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Buried Piping Inspection                                  |                 |                        |                   |                     |                  |                          |                    | X                                 |                            |                             |                               |   | X               | X             |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Cast Austenitic Stainless Steel (CASS)                    | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Heat Exchanger Monitoring                                 |                 |                        | X                 |                     |                  |                          |                    |                                   | X                          |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Non-EQ Inaccessible Medium Voltage Cable                  |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  | X                      |   |                              |                           |
|                   | Non-EQ Insulated Cables and Connection                    |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  | X                      |   |                              |                           |
|                   | Pressurizer Examinations                                  | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | RV Internals S/S Plates, Forgings, Welds, and Bolting     | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | RV Internal CASS Components                               | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Wall Thinning Monitoring                                  |                 |                        |                   |                     |                  |                          |                    |                                   | X                          |                             | X                             |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
| Existing Programs |   |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Bolting and Torquing Activities                           | X               |                        |                   |                     |                  | X                        |                    | X                                 | X                          | X                           | X                             |   | X               |               |                                    |                          | X                 | X              | X                          | X   | X                    |  |                          | X                | X                      |   |                              |                           |
|                   | Boric Acid Corrosion Prevention                           | X               | X                      | X                 |                     |                  | X                        |                    |                                   |                            | X                           |                               | X   |                 |               |                                    |                          | X                 | X              | X                          |   | X                    | X  |                          | X                | X                      |   |                              |                           |
|                   | Containment Leak Rate                                     |                 |                        |                   |                     |                  | X                        |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   | X                    | X  |                          | X                | X                      |   |                              |                           |
|                   | Diesel Fuel Monitoring                                    |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   | X               |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Environmental Qualification (EQ) of Electrical Components |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        | X                                       |                              |                           |
|                   | Fatigue Monitoring  |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   | X                            | X                         |
|                   | Fire Protection   |                 |                        |                   |                     |                  |                          |                    | X                                 |                            |                             |                               | X   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          | X                |                        |   |                              |                           |
|                   | Fire Water System   |                 |                        |                   |                     |                  |                          |                    | X                                 |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Flow Accelerated Corrosion                                | X               |                        |                   |                     |                  | X                        |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          | X                 | X              | X                          | X   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Inservice Inspection (ISI)                                | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   | X                    |  | X                        |                  |                        |   |                              |                           |
|                   | Containment Inservice Inspection (CII)                    |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   | X                    |  |                          |                  |                        |   |                              |                           |
|                   | Maintenance Rule  |                 | X                      | X                 | X                   | X                |                          | X                  | X                                 | X                          | X                           | X                             |   | X               | X             | X                                  | X                        | X                 | X              | X                          | X   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Oil Analysis  |                 |                        |                   |                     |                  |                          |                    | X                                 | X                          | X                           | X                             |   | X               | X             | X                                  | X                        | X                 | X              | X                          | X   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Periodic Surveillance and Preventive Maintenance          |                 | X                      | X                 | X                   |                  | X                        |                    |                                   | X                          | X                           | X                             | X   | X               | X             | X                                  | X                        |                   | X              |                            |   |                      | X  |                          |                  |                        |   |                              |                           |
|                   | Reactor Vessel Head Penetration                           | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Reactor Vessel Integrity                                  | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Service Water Integrity                                   |                 | X                      | X                 | X                   | X                |                          |                    |                                   | X                          |                             |                               |   |                 | X             | X                                  | X                        |                   |                |                            |   |                      |  | X                        |                  |                        |   |                              | X                         |
|                   | Steam Generator Integrity                                 | X               |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Structures Monitoring                                     |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   | X                    | X  | X                        | X                |                        |   |                              |                           |
|                   | Masonry Wall  |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             |                               |   |                 |               |                                    |                          |                   |                |                            |   |                      |  | X                        |                  |                        |   |                              |                           |
|                   | Primary and Secondary Water Chemistry Control             | X               | X                      | X                 |                     |                  | X                        | X                  |                                   |                            | X                           |                               |   |                 |               |                                    |                          | X                 | X              | X                          | X   |                      | X  |                          |                  |                        |   |                              |                           |
|                   | Closed Cooling Water Chemistry Control                    |                 |                        |                   |                     |                  | X                        |                    |                                   | X                          |                             |                               |   |                 |               |                                    |                          |                   |                |                            | X   |                      |  |                          |                  |                        |   |                              |                           |
|                   | Auxiliary Systems Water Chemistry Control                 |                 |                        |                   |                     |                  |                          |                    |                                   |                            |                             | X                             |   |                 |               |                                    |                          |                   |                |                            |   |                      |  |                          |                  |                        |   |                              |                           |