Fall 2005 Photos
GE Performing Major Inspection of ANO Unit 1 Westinghouse HP and Generator
Opening “B”
Not the Train Bay

Unit 1 Generator
Stator
Pulling Field/Rotor 2005

Stator

Opening “B”

Note position of this door at edge of Grating

Train Bay

Grating
Spring 2013 Photos
Siemens / Bigge Removing ANO U1 Stator
(for replacement)
Train Bay

Column / Tower on this side of Train Bay

Old Stator Fell Here

Trolley on Top

Train Bay

Grating

Note Beam down here
Hinge Hole

Columns on far side of Train Bay

Train Bay

Train Bay

Fell Here

Old Stator

Grating

Note Trolley on top
NOTIFICATION OF UNUSUAL EVENT DECLARED DUE TO A BREAKER EXPLOSION IN THE PROTECTED AREA

"At 0750 [CDT] on 3/31/2013, during movement of the Unit 1 Main Turbine Generator Stator (~500 tons), the Unit 1 turbine temporary lift device failed. This caused a loss of all off site power on Unit 1. The ANO Unit 1 #1 and #2 EDG [Emergency Diesel Generator] have started and are supplying A-3 4160V switchgear and A-4 4160V switchgear. P-4A Service Water pump and P-4C Service Water pump has been verified running. Unit 1 has entered [procedures] 1202.007 - Degraded Power, 1203.028 - Loss of Decay Heat, and 1203.050 - Spent Fuel Emergencies. Unit 1 is in MODE 6.

"ANO-1 entered TS 3.8.2 A, 'One Required Offsite Circuit Inoperable'. All required actions are complete. The event caused a loss of decay heat removal on ANO Unit 1 which was restored in 3 minutes and 50 seconds.

"Unit 2 tripped and is in MODE 3. Emergency Feed Water was initiated on Unit 2 and Unit 2 was in [Technical Specification] 3.0.3 from 0817 [CDT] to 0848 [CDT] due to Emergency Feedwater. Unit 2 is being powered by off-site, Unit 2 Startup 3 [transformer] lock out at 0921 [CDT]. [Bus] 2A1 is on Startup 2 [transformer] and [bus] 2A3 is on #2 EDG.

"10CFR50.72 (b)(3)(iv)(A) - 4-hr. notification due to the ES [Engineered Safeguard Feature] actuation on both Unit 1 and Unit 2.
10CFR50 72 (b)(2)(iv)(B) - 4-hr. notification due to RPS [Reactor Protection System] actuation on Unit 2.
10CFR50.72 (b)(2)(xi) - 4-hr. notification due to Government Notification.
29CFR1904.39a - [OSHA] 8-hr. notification due to death on site.

"At 1033 [CDT] on 3/31/2013, Unit 2 entered a Notification of Unusual Event based on EAL HU4 due to damage in 2A1 switchgear. Notification of the NUE will be made IAW Emergency Plan requirements. Follow-up notifications will be made as appropriate."

At this time, the full extent of structural damage on Unit 1 is not known. There was one known fatality and 4 known serious injuries to workers. The local coroner is on site for the fatality and the injured personnel have been transported offsite to local hospitals. Investigation into the cause of the failure and extent of damage is ongoing.

On Unit 2, all rods inserted during the trip. The core is being cooled via natural circulation. Decay heat is being removed via steam dumps to atmosphere. There is no known primary to secondary leakage.
Arkansas Nuclear One Exits Notification of Unusual Event

At 6:21 p.m. Arkansas Nuclear One exited the notice of unusual event that was declared earlier today. The notification of unusual event classification “the lowest of four emergency classifications designated by the Nuclear Regulatory Commission“ was declared when a plant component fell during a planned lift, damaging plant equipment. At the time of the accident, Unit 1 was shut down for a planned refueling outage.

The plant entered the notification of unusual event due to damage to a breaker cubicle related to the accident in the plant. The notification of unusual event was exited after corrective actions were completed to stabilize power supplies and the plant no longer met the emergency action level criteria. Both units of ANO are in a stable shutdown condition. Power to Unit 1 is being supplied by emergency diesel generators. Power to Unit 2 is being provided by emergency diesel generators and off site power. There was no radiological release and no impact on public health and safety. The emergency response organization remains staffed in order to provide oversight in support of ongoing plant repairs.

The industrial accident at the plant resulted in the fatality of one employee and injuries to eight others. The injured employees were transported to a local hospital. Six employees were treated and released. Two remain hospitalized for their injuries.

Area residents are requested not to call the plant. Local radio stations are the best source of up-to-date information and are being provided with the latest information by plant, federal, state and local officials.

Entergy Corporation, which celebrates its 100th birthday this year, is an integrated energy company engaged primarily in electric power production and retail distribution operations. Entergy owns and operates power plants with approximately 30,000 megawatts of electric generating capacity, including more than 10,000 megawatts of nuclear power, making it one of the nation's leading nuclear generators. Entergy delivers electricity to 2.8 million utility customers in Arkansas, Louisiana, Mississippi and Texas. Entergy has annual revenues of more than $10 billion and approximately 15,000 employees.
Stator (on its side)

Train Bay

Grating

Fell Here

Stairs

Trolley

Columns were on this side of Train Bay - possibly on a beam – note concrete damage

JLG

Unit 2 GE Machine
JLG

Not the Train Bay

Opening “B”

Original Stator Location

Hinge

Stator Fell

Train Bay
Stator

JLG

Grating

Train Bay

Trolley

Door @ Edge of Grating

Note Floor Damage where beam and columns were
Mezzanine Switchgear
Note possible ruptured fire water pipe/water spray just after event

Note water
Note water has subsided
A 25-year-old Russellville man (Wade Walters / Ironworker for PSC/maintenance contractor) has been identified as the fatality victim in the accident that occurred at Arkansas Nuclear One (ANO) on Sunday morning.