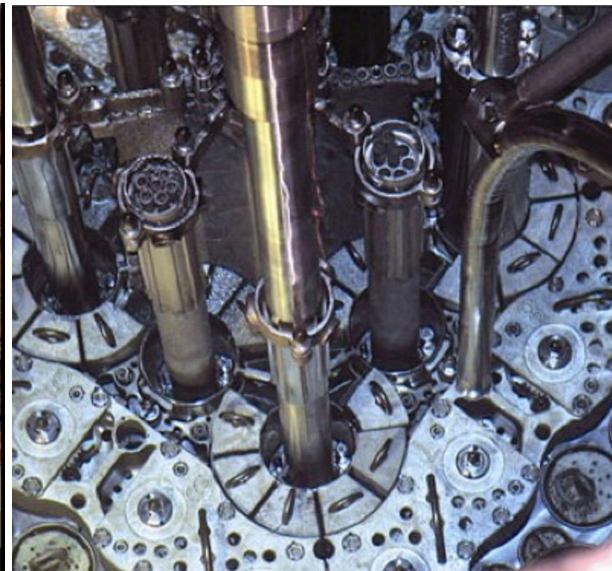


**Geologists of Jackson Hole**  
**Field Trip To**  
**Idaho National Lab**  
**Open to both GJH members and friends**  
June 3, 2026

The Geologists of Jackson Hole have arranged a visit to one of the United States research gems, the Idaho National Laboratory (INL) which is in Idaho Falls. INL is the national lab that does research on nuclear reactors, including the development of the first reactor (ERB-1) to produce electrical power and the reactors currently used by the US Navy. They also run the Advanced Test Reactor (ATR) since 1967, its primary function is to intensely bombard materials and fuels with neutrons to simulate long-term exposure to high levels of radiation, as would be present in a commercial nuclear reactor. The ATR is one of only four test reactors in the world with this capability. The reactor also produces rare isotopes for use in medicine and industry.



Experimental Breeder Reactor 1



Advanced Test Reactor

Over the last 20 years INL's research areas have expanded to include testing the national electrical power grids, building robots, developing and testing new batteries, enhancing homeland security and looking for alternative methods for producing ethanol.

Our visit to INL will have two parts. In the morning through lunch, we will have lectures on:

- Welcome & an overview of all INL activates
- Small modular nuclear reactors for use in data centers
- Reactor Technologies – Liquid salt and other type of heat transfer fluids
- Thorium vs. Uranium – Compare and contrast
- Fusion Reactors – Will they ever happen
- Biomass fuels to replace ethanol
- Overview to cybersecurity research

After lunch we will drive to and tour the Advanced Test Reactor (ATR). We will then drive to and tour the Experimental Breeder Reactor 1 (ERB-1).

### **HOW TO SIGN UP**

This field trip is limited to 30 people so to join this interesting trip you need to **first** email (as soon as possible) John Willott ([jwillott@aol.com](mailto:jwillott@aol.com)) & John Guslander ([johnguslander1@gmail.com](mailto:johnguslander1@gmail.com)) that you want to join the group.

**Second** to be on the list you MUST BE A US CITIZEN, and we will need your full legal names including middle names, (not nicknames or shortened names) no later than the close of business on Friday May 29th.

**Third**, on the day of the trip, every visitor must have a picture ID with them that will be shown to our INL guides and sign a confirmation of U.S. citizenship.

**Fourth**, you need to let us know if you will be driving or would like a ride. We will put together carpools.

We will leave Jackson at 7:15 AM on June 3rd from the Albertson parking lot (near AT&T) and be back in Jackson about 6:30 that evening. We look forward to an informative and interesting trip, and hope that you will join us.

John Willott