



Commonwealth Edison
Byron Nuclear Station
4450 North German Church Road
Byron, Illinois 61010

July 8, 1982

LTR: BYRON 83-687
FILE: 2.1.503

Mr. James G. Keppler
Directorate of Inspection and Enforcement
Region III
United States Regulatory Commission
Radioisotopes Licensing Section
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Reference: Byron Nuclear Power Station Docket 50-454
Materials License No. SNM-1917 Docket 70-2973

Dear Mr. Keppler:

The attached report from Byron Station is being transmitted to you in accordance with 10CFR70.5. It describes a violation of the conditions of the referenced materials license and the corrective action taken.

Notification of the event was telephoned to the Byron Station Senior Resident Inspector on July 1, 1983.

Very truly yours,

R. E. Querio
Station Superintendent
Byron Nuclear Power Station

REQ/ACC/vld

Attachment

cc: W. Forney, USNRC Senior Resident Inspector

ATTACHMENT A
COMMONWEALTH EDISON COMPANY
BYRON NUCLEAR POWER STATION DOCKET 50-454
MATERIALS LICENSE NO. SNM-1917 DOCKET 70-2973

Description of Event

On June 30, 1983, the Byron Station Nuclear Engineer and a Fuels System Test Engineer were inspecting a spent fuel rack in the Spent Fuel Pool. At approximately 1830 hours, as they were leaving the area, the Security Guard on duty at the New Fuel Storage Vault (NFSV) informed them of five propane gas cylinders in the area. The cylinders were observed tied to a guard rail at the south end of the Spent Fuel Pool. The Auxiliary Building night supervisor was instructed to remove the five cylinders from the Fuel Handling Building (FHB). All cylinders were removed from the FHB by 2000 hours.

Consequence of Occurrence

The five propane gas cylinders represented a heat load in excess of that analyzed for the pre-fire plan of the FHB. This was a violation of a condition authorizing the receipt and storage of nuclear fuel. Subsequent investigation revealed the cylinders had been moved into the building at 1500 hours, for an overall duration of approximately five hours. At the time of the violation 86 fuel assemblies were stored in the NFSV and 10 assemblies were in 5 shipping containers stored on the 411 foot elevation platform.

Cause of Occurrence

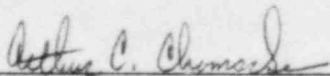
The propane gas was required for a steam generator needed for cleaning the Spent Fuel Pool liner and fuel storage racks. Contractor personnel responsible for this activity were unaware of the combustible material limitations in effect for the FHB.

Corrective Actions

The propane gas cylinders will be stored outside the FHB and gas delivered to the steam generators through quick closure valves.

To prevent further violation of the pre-fire plan, a written instruction directed the 24 hour Security Guard Force to control entry of combustible material into the secured area of the FHB. Project Construction Department was notified of the violation and the limitations in effect on combustible materials in the FHB. Additionally, signs will be posted to warn contractor personnel relative to combustible material controls. This measure will be achieved by July 25, 1983.

Prepared by:


Arthur C. Chomacke 7-7-83