

HW-7-1408

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7-1408

By Authority of DOC

May 1973

**SPECIAL RE-REVIEW
FINAL DETERMINATION
DECLASSIFICATION CONFIRMED**

BY AE Barber DATE 2-25-82
BY _____ DATE _____

JE Savely 9-14-98
Jmiles 3-11-99

**L. A. DARLING
WORKS ENGINEER**

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March 17, 1942

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EMERGENCY INCIDENT

At approximately 3:00 p.m. on March 10, the process units in all 105 Buildings were shut down by automatic action of the safety circuits because of an electric power system fault of very short duration. Motor-driven equipment stopped, and as a result, process was restored within a matter of several minutes in the B and D Areas and a little over an hour in the F Area. Subsequent investigation indicated that the voltage dip was caused by a fault which occurred on the Midway-North Bonneville No. 2 230 KV circuit. This is one of four 230 KV lines which now terminate at the Midway Substation and from which power is taken for H.E.W. The fault was automatically cleared by the line terminal breakers. The circuit was restored manually by the Midway and Bonneville operators in about two minutes.

From Military Intelligence sources, it was learned that the line fault was caused by a large balloon of enemy origin dropping into the phase wires of the circuit. It burst into flames upon contact with the power line and the underhung equipment on the balloon dropped to the ground. The line was not seriously damaged as evidenced by the fact that it was restored to service in two minutes.

It should be noted that the balloon could have dropped anywhere on the Project Area, and its equipment could have caused much more serious damage as far as the plant and its processes are concerned.

P. S. Shaff
**P. S. Shaff
Electrical Superintendent**

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PSS:alb

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MAR 9 1981

**DOCUMENT AUDIT AND
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