

FP-97-2-017

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION

REPORT FOR (month / year)  
February, 1997

**FALSE PROCEED SIGNAL REPORT**

DATE

March 10, 1997

All railroads subject to Regulations of the Federal Railroad Administration shall submit a false proceed signal report, original only, to the Federal Railroad Administration within five days after a false proceed occurs. If no false proceed occurs during any calendar month, a report showing "No Failures" must be filed within ten days after the end of the month.

Copies of this form will be furnished upon request to the Department of Transportation, Federal Railroad Administration, Office of Safety, Washington, D. C. 20590

REPORTING CARRIER ( railroad & region or division)

**CONSOLIDATED RAIL CORPORATION**

**PHILADELPHIA DIVISION**

REPORTING OFFICER (signature / title)

MAIL TO

R. C. Murray  
Supervisory Railroad Safety Specialist  
Federal Railroad Administration  
Scott Plaza Two  
Suite 550  
Philadelphia, PA. 19113

Chief Engineer - J&S

A failure should not be counted more than one time in items 1, 2, 3, and 4: the failure should be classified under the basic system or appliance of which it forms an essential part. E.g. assume grounds cause a block signal to indicate a false proceed causing corresponding indications of a cab signal system on each train approaching this point, such failure should be included in item 1, Block Systems.

The following abbreviations may be used in the report.

A false proceed failure is a failure of a system, device or appliance to indicate or function as intended which results in less restriction than intended.

- A- Automatic
- AB- Automatic block
- ACS- Automatic cab signal
- APB- Absolute permissive block
- ATC- Automatic train control
- ATS- Automatic train stop
- CL- Color Light
- CPL- Color position light
- E- Electric
- EM- Electromechanical
- EP- Electropneumatic
- FP - False proceed
- MB - Manual Block
- M- Mechanical
- P- Pneumatic
- PL- Position light
- SA- Semiautomatic
- TC- Traffic control

TYPE OF SYSTEM	DATE	LOCOMOTIVE NUMBER	DEVICE THAT FAILED	LOCATION (city and state)
1 BLOCK SYSTEMS <input type="checkbox"/> AB <input type="checkbox"/> APB <input type="checkbox"/> TC				
2 INTERLOCKING <input type="checkbox"/> AUTOMATIC X REMOTE <input type="checkbox"/> MANUAL	2/27/97	6749	Home Sig. 4E CP Tara	Rutherford, PA
3 AUTOMATIC SYSTEMS <input type="checkbox"/> ATS <input type="checkbox"/> ATC <input type="checkbox"/> ACS				
4 OTHER (specify)				

**NATURE AND CAUSE OF FAILURE/ CORRECTIVE ACTION TAKEN**

4E Signal at CP Tara observed at advance approach with Automatic Signal 1022E ahead at Stop & Proceed. Cause was the 432 HGP relay being falsely energized at signal 1022E. False energy on the 432HGP circuit was caused by rodents chewing through the insulation of the conductors which control the signal mechanism. All damaged conductors were replaced, all appropriate tests were completed and the signal system was returned to service.

