Other Event Type Reporting

Data Reporting Instructions – Section III

Module 07 - GADS Data Reporting Workshops
June, 2019

RELIABILITY | ACCOUNTABILITY

- Reserve Shutdown
  - Unit not synchronized but ready for startup and load as required
  - Use cause code "0000" for these events
- Non-curtailing
  - Equipment or major component removed from service for maintenance/testing and does not result in a unit outage or derating
    - Relative Accuracy Test Audits (RATA) testing
      - Compares data from a facility's Continuous Emissions Monitor System (CEMS) to a simultaneously collected reference method data to assess the accuracy of the CEMS readings
    - Generator Doble testing
      - A non-invasive on-line surveillance technique that detects and identifies defects in a motor or generator and associated electrical systems while the power system remains in service

- Problem: Collecting GADS data can be quite repetitive. Depending on the size and age of a plant, the number of events will vary from a few to hundreds a month.

- Question: Which event type is most frequently reported?
  A. Planned Outages (PO, PE)
  B. Forced Outages (U1, U2, U3, SF)
  C. Maintenance Outages (MO, ME)
  D. Derates (D1, D2, D3, D4, DM, PD, DP)
  E. Reserve Shutdowns (RS)

- Answer: E. Reserve Shutdowns (RS)

- Explanation: Except for baseload units all other unit types frequently go on reserve shutdown which account for ~70% of events reported to GADS

- Problem: Your plant has two sides and you work on the coal side collecting baseload unit data for which you've never had an RS event. The gas side clerk gets ill and you fill in for them by entering the gas unit data as well. When you enter your first RS event you are puzzled by the fact that the software formats the cause code as a number, '0', instead of a 4-digit string, '0000'.

- Question: What kind of rule is it that requires you to use a cause code of '0000'?
  - A.   Data collection rule
  - B.   Data formatting rule for the file you submit to GADS

- Answer: B. Data formatting rule for the file you submit to GADS

- Explanation: The software package will convert '0' to '0000' for inclusion in the file you submit to GADS

- Problem: The feeder to a pulverizer clogs up on a unit at one of your coal plants. The unit has eight (8) pulverizers and can make full load with only six (6). Operations takes the pulverizer offline to unclog the feeder.

- Question: What type of event is this?
  A. U1
  B. MO
  C. NC
  D. D1
  E. D4

- Answer: C. NC

- Explanation: There was no effect on the net available capacity of the unit from taking the pulverizer offline so it is an NC event

RELIABILITY | ACCOUNTABILITY

Questions and Answers