Sienel, Beth

From: Casella, Len
Sent: Monday, June 09, 2003 1:14 PM
To: VTY - All Users
Subject: ENN DC-161will go into effect on 6-16-03. Replacing AP 0042 for combustible control

All

ENN DC-161goes into effect on 6-16-03 it is replacing AP 0042 for combustible control ONLY. Other sections of AP 0042 (hot work and system impairments) will remain under the control of AP 0042. NONE of the basic fire protection combustible control rules have changed, they are just being relocated into a ENN procedure. Please review the new ENN-DC-161 procedure. I am attaching the power point presentation that was used to train all the craft personnel on site. The overwhelming positive of this procedure initiative is the standardization from one ENN site to the other. This will assist anyone from VY who works temporarily at any of the other ENN sites. If you have any questions or need further clarification or training please contact me at 3183.

Thanks
Len Casella
VY Fire Protection Coordinator.

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ENN-DC-161
Transient Combustible Program

Effective 6-1-03

Replaces AP 0042 for Transient Combustible Control Rules and Permitting.

PURPOSE

- This procedure provides requirements and controls for use, staging, and storage of transient combustible materials associated with plant activities within the power block and other site-specific areas controlled under the Site's Fire Protection Program.
- When specific conditions, involving combustible or flammable liquids or gases, arise which are outside of the scope or detail of this procedure, the Fire Protection Coordinator (FPC)/Fire Protection Engineer (FPE) or designee shall use applicable NFPA codes and insurance guides, for guidance on the proper use and storage of those materials.

Definitions (New or Changed)

- Transient Combustible Evaluation (TCE) is an evaluation performed when the quantity of combustible materials required to support plant activities exceeds the values allowed by this procedure. The TCE determines if the quantity of combustible materials is acceptable and if additional controls are required.

Definitions (New or Changed)

- Transient Combustibles are any flammable or combustible materials that are typically not permanent plant equipment that are necessary for the performance of work activities in plant areas. Transient combustibles may or may not be included in the Fire Hazards Analysis. Often times "Transient Combustible" is used interchangeably with "Transient Fire Load

Responsibilities (New or Changed)

Craft Foreman/Supervisor

- Ensuring that the requirements of this procedure are implemented for all work activities performed under their direction.
- Inspecting the work area before, during, and after completion of work activities to ensure compliance with the requirements of this procedure, with specific emphasis that the amount of combustible materials is minimized to the extent practical.
- Requesting TCEs in accordance with Attachments 9.7 and 9.8, as required by this procedure.

Responsibilities Plant Personnel

- Identifying the need for transient combustible controls and complying with this procedure.
- Maintaining their work area in a clean, safe and orderly manner at all times.
- Conducting work in accordance with the requirements specified in this procedure, with specific emphasis that the amount of combustible materials is minimized to the extent practical.
- Directing any questions concerning the requirements specified in this procedure to Fire Protection/designee before proceeding with the work activity.

Details Section 5.1

- Generic Control Methods Applicable to All Transient Combustibles
  - These Requirements have not changed.
  - These are generic rules

Details Section 5.2

- Combustible Control Zones Designation have changed: New ENN-DC-161 procedure uses both the new and our old designators.
  - Level 1(ENN) = CFZ (0042)
  - Level 2 (ENN) = SFHA (0042)
  - Level 3 (ENN) = FCA (0042)

Level I Area

A TCE is required for the introduction of any combustible materials into a Level I Area. Exceptions are:

- Items passing through the area to another area.
- Personal use items such as hand carried paper documents, work packages, hand carried equipment and personnel protective clothing.

Level II Area A TCE is required when:

- 100 pounds of fire retardant treated lumber
- 25 pounds of ordinary combustibles or plastics
- 5 gallons of combustible liquids stored in approved containers
- One pint (16 oz.) of flammable liquids stored in approved containers
- One 20 ounce flammable aerosol can

Level III Area A TCE is required when:

- 250 pounds of fire retardant treated lumber
- 100 pounds of ordinary combustibles or plastics
- 120 gallons of combustible liquids stored in approved containers
- 10 gallons of flammable liquids stored in approved containers
- Three (3) 20 ounce flammable aerosol can

Additional Controls

- If combustibles are stored in closed metal containers (cabinets, tool boxes, gang boxes, metal drums, etc.) no transient combustible evaluation is required. The container should be in good repair. The container should be kept closed during periods of time when personnel are not in attendance unless equipped with a UL Listed or FM Approved self closing device.

Transient Combustible Controls for Exterior Areas

- Temporary structures of combustible construction should not be erected within 30 feet of safety related or plant process structures unless authorized by an approved TCE.
- All lumber or plastics used to erect temporary combustible structures within 30 feet of building egress areas should conform to Section 5.1.6 and Section 5.1.7 respectively.
- “Staging” or “storage” of combustible and flammable liquids, compressed gases or exposed Class A combustibles within 30 feet of building openings or egress areas within the plant-protected area require a TCE.

Attachment 9.6 VY - Combustible Control Zones

Building	Elevation	Description
Reactor Bldg	280'	East side from the Drywell wall to the Recirc MG Sets berm; extends from floor to ceiling
Reactor Bldg	280'	West side in caged area between Drywell wall and West wall of the RB; extends from floor to ceiling
Reactor Bldg	252'	East side between Drywell entrance and the East wall between MCC 89A and MCC 89B; extends from floor to ceiling, including area above Ante Room, but not inside Ante Room
Reactor Bldg	232' Torus	East side of Torus between RHR A and RHR B Corner Rooms; extends from floor to ceiling, including Catwalk
Reactor Bldg	232' Torus	Northwest corner by RCIC Corner Room entrance; extends from floor to ceiling, including Catwalk

Attachment 9.6 VY - Combustible Control Zones

Level II (Significant Fire Hazard Area)		
Building	Elevation	Description
Control Building	262'	Cable Vault
Control Building	248'	East and West Switchgear Rooms
Control Building	272'	Control room
Reactor Building	252'	Northwest Corner Cable Penetration Area

Attachment 9.6 VY - Combustible Control Zones

Level III (Fire Control Area)		
Building	Elevation	Description
Control Building	All	Except SFHA.
Reactor Building	All	Except CFZ and SFHA. Includes Reactor Building to Containment Access Building air lock (UND96036_01)
Radwaste Building	All	
Intake Structure	All	Including Chemical Treatment Shed
Administration Bldg	260'-6	Computer Room
Administration Bldg	248'-6	ERFIS UPS Battery Room
Turbine Building	All	
AOG Building	All	
AOG Systems (other)		The Stack Rooms
Cooling Tower	All	Including surrounding area within 25 feet
South Warehouse Area	All	Warehouse Area
Relay House	All	All
John Deere Diesel Building	All	
Containment Access Building	252'	1st 25' South of Airlock door
Fuel Oil Storage Tank and Pump House	All	

TCE Instruction

- **Instructions for Closing a TCE**

  Requester

  1. When work involving the transient combustible is complete, and the material is removed from the plant area, the responsible individual should return the copy of the TCE to the Fire Protection Group/Designee.
  2. The responsible individual signs the "material removed" line on the TCE, verifying removal of the transient combustible from the plant area.