

# • Derby 45 Oil Leak

- Shots Reported
- Table Top Exercise





## Exercise Purpose:

Transformer Leak with shots fired is a discussion-based exercise;

- Discussion includes oil leak in substation power transformer
- Possible Active Shooter
- Oil Spill



- Scenario
- Substation 911 Address  
229 Bridge St Derby, VT
- Joey Homeowner did not like his last Coop bill and chose not to pay it he waited to the point of being disconnected for non-payment
- Joey Homeowner decided after many disrespectful calls to VEC that he would find his payback to his local power company
- The rest plays out as follows
- VEC Control Center receives Notification of Transformer Temp Alarm Via SCADA
- Call from VEC Members of hearing shots fired in the area



## Core Capabilities:

- Local and State Law Enforcement
- Medical Services NCH
- VEC internal crews and oil containment equipment
- Local Fire, First Responders, and Ambulances
- NRCC Services Inc. for Cleanup of Oil

**VERMONT  
ELECTRIC**



**In Case of Emergency**

**(800) 832-2667 (802) 635-2331**

**229 Bridge St  
Derby, VT**

**45**

**SUBSTATION**



## **VEC Control Center Responses**

- **Notify Local and State Police of Potential Sabotage issue**
- **Notify Manager Of System Operations**
- **As Directed transfer all circuits to other substations**
- **Notify Safety Manager**
- **Dispatch Substation Crew to Specified location (not at substation until deemed safe by authorities)**
- **Inspect Substation Utilizing Camera**
- **Reference Derby SPCC documents and start a Spill form**
- **Follow OP27 for Oil Spill Reporting**
- **Follow OP60 for Sabotage Reporting**

Derby Substation  
Transformer W/ Oil  
containment



# Transformer Nameplate

Note: 1832 total Gallons



**PACIFIC CREST TRANSFORMERS**

KVA 10000/11200-12500/14000 ONAN/ONAF 55/65 °C RISE  
 HV 46000 DELTA BIL 250 KV  
 LV 12470Y/7200 (RATED @ 578.7 AMPS) BIL 110 KV  
 3 PHASE 60 Hz TRANSFORMER, 7.216 % IZ AT BASE KVA RATING  
 CU HV CU LV COND. ELEMENT 26717 LBS. TOTAL WEIGHT 53550 LBS.  
 1832 GAL TYPE II OIL AT 13521 LBS. LEVEL CHANGES .74 INCH PER 10°C.  
 FLUID LEVEL 9.5 INCHES FROM TOP OF HAND HOLE AT 25°C.  
 MAX TANK PRESS. POS 10.0 NEG 14.7 PSI  
 SERIAL # PSA-0022 DATE OF MFG: 01/2015

INSTRUCTION REFERENCE MANUAL 1B9-210  
 CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2PPM) AT THE TIME OF MANUFACTURE

TAPS	A	B	C	D	E
VOLTS	48300	47150	46000	44850	43700
AMPS	149.4	153.1	156.9	160.9	165.2

UNIT DESIGNED NOT TO EXCEED 60dB AT ONAN  
 UNIT DESIGNED FOR FULL-VACUUM FILLING IN FIELD

R5627031

MANUFACTURED BY PACIFIC CREST TRANSFORMERS IN MEDFORD OR.





- Shots Fired With Oil spill Exercise Objectives:
  1. Discuss the ability to maintain situational communications between VEC and Local and State Law enforcement and Fire departments
  2. Discuss the potential Hazard's to public, Local Authorities, and VEC internal crews
  3. Discuss the securing of area and traffic control for vehicles
  4. Notification to NCH for potential injuries
  5. Discuss local resources for oil containment and cleanup



## Exercise Structure – 3 Modules

- Module 1 – “What Just happened?” – Activation of Active Threat-Shooter with Oil spill Scenario
- Module 2 – “Lock It Down” – Tactical Operations of Law Enforcement
- Module 3 – “Clean It up” – Recovery Operations



## Invited Participants:

- Border State Security
- CERT
- DEMHS
- LEPC 10
- Newport Ambulance Service
- Newport City Police
- Newport Fire and Rescue
- North Country Hospital
- Orleans County Sheriff's Department
- State Police - Derby

VERMONT  
LOCAL  
EMERGENCY  
PLANNING COMMITTEE #10



- Questions?