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June 11, 2009

Byron Coy, P.E.
Director, Eastern Region
Pipeline and Hazardous Materials Safety Administration
Mountain View Ofc. Park
820 Bear Tavern Road Suite 306
West Trenton, NJ 08628

Re: CPF 1-2009-1005M

Dear Mr. Coy:

In May, 2008, representatives from the Pipeline and Hazardous Materials Safety Administration ("PHMSA") and the New York Public Service Commission ("NYPSC") inspected Texas Eastern Transmission, LP's ("TETLP") procedures for operations and maintenance in South Plainfield, New Jersey. During this inspection, PHMSA and NYPSC identified three (3) areas of apparent inadequacies in TETLP's plans or procedures. PHMSA issued a Notice of Amendment ("NOA") on May 14, 2009 relating to these apparent inadequacies. This letter is TETLP's response to the three areas identified by PHMSA.

TETLP is a unit of Spectra Energy Transmission ("SET"). SET has developed comprehensive operating procedures for its business units, and thus TETLP's responses reference SET's Operations and Maintenance Plan ("O&M Plan") and Standard Operating Procedures ("SOP").

1. § 192.467 External corrosion control: electrical isolation.

- (c) Except for unprotected copper inserted in a ferrous pipe, each pipeline must be electrically isolated from metallic casings that are a part of the underground system. However, if isolation is not achieved because it is impractical, other measures must be taken to minimize corrosion of the pipeline inside the casing.**

PHMSA Finding

TETCO procedures for addressing shorted casings are not adequate. TETCO has two similar, but different, written procedures addressing other measures for shorted casings

when remediation of the shorted casing is not practical. TETCO representatives could not explain the need for the two procedures, nor explain the different requirements in each based on casing class location, odorized versus non odorized gas in the carrier pipe, filled casing with insulating materials versus non filled casings. TETCO representatives said that these two procedures were apparently redundant and that one of the two procedures was not needed. The procedures are: Procedure 1. Operations and Maintenance Plan, Section 8, Corrosion, and Procedure 2: Standard Operating Procedure 1-6010, Pipeline Patrol and Leakage Survey Criteria.

TETLP Response

SET's O&M Plan is intended for general guidance only. Specific requirements for shorted casing leak surveys are contained in SET's SOP 1-6010, "Pipeline Patrol and Leakage Survey Criteria". To minimize the potential confusion caused by having two similar procedures, Spectra Energy has revised the O&M Plan to delete the specific requirements for leakage surveys and simply include a reference to SOP 1-6010. See Attachment 1 for a redlined version of the revisions to Section 8 of SET's O&M Plan.

PHMSA and NYPSC noted that TETLP representatives "could not explain the need for the two procedures, nor explain the different requirements in each based on casing class location, odorized versus non odorized gas in the carrier pipe, filled casing with insulating materials versus non filled casings". SET's procedures are developed, drafted and revised by SET's Technical Services Department in its Houston, TX office. PHMSA typically reviews operating procedures in the Houston Office, where the subject matter experts ("SME") for each procedure are available to explain the basis for the requirements. Since SMEs did not participate in the South Plainfield inspection, the rationale for the requirements in the procedures questioned by PHMSA and NYPSC are provided below.

The frequencies for casing leak surveys based on casing class location for non-shortened casings specified in SET's procedures are identical to the requirements for leak surveys specified by §192.706, which requires the following leak survey frequency:

- *Class 1 and 2 Locations: Once per calendar year not to exceed 15 months*
- *Class 3 Locations: Twice per calendar year not to exceed 7½ months*
- *Class 4 Locations: Four times per calendar year, not to exceed 4½ months*

SET's requirements for instrumented leak surveys for non-shortened casings in areas where the gas is non-odorized in Class 3 and 4 Locations are based on the requirements of §192.706, which requires:

"Leakage surveys of a transmission line must be conducted at intervals not exceeding 15 months, but at least once each calendar year. However, in the case of a transmission line which transports gas in conformity with §192.625 without

an odor or odorant, leakage surveys using leak detector equipment must be conducted:

(a) In Class 3 locations, at intervals not exceeding 7 1/2 months, but at least twice each calendar year; and

(b) In Class 4 locations, at intervals not exceeding 4 1/2 months, but at least four times each calendar year."

To more proactively monitor shorted casings that have not been filled with insulating material, SET's procedures require leak surveys using leak detection equipment be performed on these casings at twice the frequency required by §192.706. This increased frequency has been implemented to more quickly identify and respond to potential leaks caused by the increased corrosion potential for the pipe within shorted casings.

Once a shorted casing has been filled with insulating material, the potential for corrosion has been minimized on the carrier pipe. For shorted casings that have been filled with insulating material, SET's SOP 1-6010 specifies leak survey requirements that are consistent with §192.706. Upon review of SOP 1-6010, SET has determined revisions are needed to avoid potential confusion caused by the last table in this procedure. The revisions to SOP 1-6010 are provided in Attachment 2.

2. §192.615 Emergency plans.

(b) Each operator shall:

(2) Train the appropriate operating personnel to assure that they are knowledgeable of the emergency procedures and verify that the training is effective.

PHMSA Finding

In its Operating and Maintenance Plan, Section 13.0 Procedural Section for Emergencies, TETCO utilizes language in 13.12 *Employee Training* describing "periodic training" and "performance of all participants shall be reviewed to determine areas of improvement." "Periodic" and "reviewed" are broad terms with no schedule of training or measure to gauge the effectiveness of training. The procedures must be more definite in defining the term "periodic" and must give more direction on how to verify that the training is effective.

TETLP Response

SET's O&M Plan is intended for general guidance, with specific requirements for emergencies contained in SET's U.S. Operations Crisis Management Plan and SOP 5-2010 "Area Emergency and Security Procedures". To minimize the potential confusion caused by the O&M Plan having specific requirements for emergency plans, SET has

revised the O&M Plan to delete the specific requirements for emergency plan training and simply include a reference to SET's Crisis Management Plan and SOP 5-2010. See Attachment 3 for the revisions to Section 13 of the O&M Plan.

SET's U.S. Operations Crisis Management Plan is intended for emergencies that require a Region Office or Main Office response. SOP 5-2010 sets forth the requirements for Area specific emergency response plans. Both SET's U.S. Operations Crisis Management Plan and SOP 5-2010 contain specific references to annual training. Revisions to these plans have been made to explicitly require measurement of the effectiveness of the training. See Attachment 4 for revisions to the U.S. Operations Crisis Management Plan and Attachment 5 for revisions to SOP 5-2010.

3. §192.745 Valve maintenance: Transmission lines.

(a) Each transmission line valve that might be required during any emergency must be inspection and partially operated at intervals not exceeding 15 months, but at least once each calendar year.

PHMSA Finding

TETCO needs to provide additional guidance to insure that TETCO's Valve Maintenance and Trouble Report Form 7T-32 is completed correctly by TETCO personnel.

In Standard Operating Procedure 5-5010, Valve Inspection and Maintenance, TETCO's procedures describe the annual operation of transmission lines required during an emergency. The reporting of this inspection and any resulting maintenance is recorded on the Valve Maintenance and Trouble Report (Form 7T-32). There is a split column on the form entitled % Valve operated. One of the split columns is entitled Open, the other entitled Closed. Per the supervisory staff, if a valve is operated by opening it partially or full, the % operated is be entered into the Open split column. If the valve is in the closed position, and it fully or partially closed, the % operated would be entered into the Closed split column. There were instances recorded where both columns contained identical numbers, indicating a possible erroneous entry. The procedures must state more clearly to the operating staff on the recording of the % and direction each valve is operated.

TETLP Response

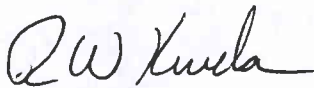
SET's Valve Maintenance and Trouble Report (Form 7T-32) is no longer being used to document valve maintenance. In 2007, SET implemented the Maximo work management system to document valve maintenance. The Maximo job plan requires the employee to document if the valve was partially or fully operated with a simple "yes / no" response. This eliminates the potential for possible erroneous entry of data noted by PHMSA and NYPSC. If the response to this question is "no", then a follow-up work

order to partially or fully operate the valve is required. Since there is no longer a requirement to document % Open or % Closed, no changes to SET's procedures are necessary. See Attachment 6 for an example of the Maximo valve maintenance documentation.

We trust that you will find these responses and revisions to the SOPs fully address the issues noted in the NOA and you will consider this matter closed.

Please feel free to call me at (713) 627-6388 if you have any questions or would like to discuss this issue further.

Sincerely,



Rick Kivela
Director, Operational Compliance

Attachments

cc (with attachments)

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