

Operations and Maintenance Procedures

SCUD Procedure # MAINT004	Page 1 of 2
O&M Section # 6.4	SCUD Task # 35
Section: Maintenance	Revision Date: 09/06/16

Visual Inspection for Internal Corrosion

SCOPE AND PURPOSE

This procedure is to ensure when personnel either perform hot tapping procedure or otherwise remove segment of gas piping and associated fittings, that the internal surface of these facilities are visually examined for evidence of internal corrosion.

It describes practices required to comply with §§192.475, 192.485, 192.487, and 192.489.

RESPONSIBILITY

The System Maintenance Supervisor, or other designee, is responsible to ensure when performing hot tapping procedures or otherwise removing segments of gas piping and associated fittings, that the internal surface of these facilities are visually examined for evidence of internal corrosion, and that it is performed as described in this procedure.

PERSONNEL SAFETY (Where Applicable)

Ensure that the work zone/area is setup to protect the public from danger.

Ensure that all applicable safety equipment is being utilized as per company policy.

EQUIPMENT AND MATERIALS

System maps and records

Other equipment and materials, as needed

OPERATOR QUALIFICATION

This activity is a covered task under the Operator Qualification Plan and may only be performed by or directed and observed by an individual who is currently qualified to perform this task. Refer to the OQ Plan for specific qualification requirements.

INSTRUCTIONS

1. Whenever a hot tap is performed on a metallic gas pipe, the pipe coupon should be retained and visually examined for evidence of internal corrosion.
2. Whenever a segment of gas pipe is removed or otherwise taken out of service, the internal surfaces should be examined for evidence of internal corrosion.
3. Indications of internal corrosion require a thorough investigation of adjacent pipe, both longitudinally and circumferentially, in order to discover the actual extent of internal corrosion.

REPORTING/NOTIFICATION

The SCUD employee shall complete documentation in accordance with the Operation and Maintenance Manual. SCUD utilizes electronic software to record and maintain all internal corrosion inspections. Any corrosion shall be reported on the electronic Exposed Pipe Form.

Operations and Maintenance Procedures

SCUD Procedure # MAINT004	Page 2 of 2
O&M Section # 6.4	SCUD Task # 35
Section: Maintenance	Revision Date: 09/06/16

Visual Inspection for Internal Corrosion

ABNORMAL OPERATING CONDITIONS

AOC Main Category (Examples of Specific AOCs)	Reactions to AOC, as appropriate	
<i>Unplanned escape of product from a pipeline</i> <ul style="list-style-type: none"> Blowing/Escaping gas/Grade I leak 	<ul style="list-style-type: none"> ➤ Protect life & Property ➤ Prevent accidental ignition ➤ Notify appropriate personnel ➤ Notify Fire/Emergency Responders ➤ Initiate Emergency Plan 	<ul style="list-style-type: none"> ➤ Locate source/cause of AOC ➤ Use appropriate PPE ➤ Stop gas flow ➤ Make repairs/eliminate AOC
<i>Fire or Explosion</i> <ul style="list-style-type: none"> Fire on a pipeline Explosion 	<ul style="list-style-type: none"> ➤ Protect life & Property ➤ Prevent accidental ignition ➤ Notify appropriate personnel ➤ Notify Fire/Emergency Responders ➤ Initiate Emergency Plan 	<ul style="list-style-type: none"> ➤ Locate source/cause of AOC ➤ Use appropriate PPE ➤ Stop gas flow ➤ Make repairs/eliminate AOC
<i>Unplanned Status Change</i> <ul style="list-style-type: none"> Low structure-to-electrolyte potential Stray current on a pipeline 	<ul style="list-style-type: none"> ➤ Protect life & property ➤ Prevent accidental ignition ➤ Notify appropriate personnel 	<ul style="list-style-type: none"> ➤ Locate source/cause of AOC ➤ Make repairs/eliminate AOC
<i>Inadequate Odorization or Reports of Gas Odor</i> <ul style="list-style-type: none"> Low odorization Over odorization Odor complaint 	<ul style="list-style-type: none"> ➤ Protect life & property ➤ Prevent accidental ignition ➤ Notify appropriate personnel 	<ul style="list-style-type: none"> ➤ Locate source/cause of AOC ➤ Make repairs/eliminate AOC

RELATED PROCEDURES

MAINT005 – Measure Internal Corrosion

MAINT008 – Visual Inspection of New and Exposed Pipe

CONST009 – Tapping a Steel Pipeline (Tap Diameter 4 Inch and Less)