



500 Atmosphere Corrosion
 500 Corrosion Inspection and Surface
 Preparation Performance Checklist
 [Revision – 0] [Revision Date 05/29/01]

Operator:	
Operator Address:	
Candidate Name:	
SS# / Employee Number:	
Verifier's Name:	

Directions: This Performance Checklist details the knowledge, skills and abilities to perform the job located in the header of this document. Prior to unsupervised performance of any task associated with or operating equipment detailed on this document, the operator must be signed off by a subject matter expert (SME)/Verifier.

For a candidate to be qualified for any task, an individual must demonstrate a score of 80% of the total knowledge requirements of this checklist. Meeting the knowledge requirement, the individual may then proceed to the Performance section of the checklist. A candidate is required to complete all performance items with 100% accuracy on the Performance section of this checklist and complete all AOC items with 100% accuracy on the Abnormal Operating Conditions section of this checklist for a verified status.

Recommended Training materials and references:

1. eWebOOQ Module 500 Atmospheric Corrosion
2. DOT 49 CFR 192.479 and 192.481 Regulations
3. Company Operating Procedures

Step	Knowledge	Verifier's Signature
KNOWLEDGE SECTION OF THE PERFORMANCE CHECKLIST (The candidate must respond to the following knowledge statements to the satisfaction of the verifier.)		
500 K10	Describe the basic fundamentals of corrosion.	
	Remarks:	Date:
500 K20	Describe the hazards of corrosion to pipeline facilities.	
	Remarks:	Date:
500 K30	Define atmospheric corrosion including the types and causes.	
	Remarks:	Date:
500 K40	Explain "pitting" and the system used for rating "pitting". <ul style="list-style-type: none"> • Minor: • Moderate: • Severe: 	
	Remarks:	Date:

Step	Knowledge	Verifier's Signature
500 K50	State the most effective method of preventing atmospheric corrosion.	
	Remarks:	Date:
500 K60	List the types of aboveground pipeline facilities that are usually monitored during pipeline patrols: <ul style="list-style-type: none"> • Compressor Stations • Processing Plants • Gathering facilities • Odorization facilities • Underground Gas Storage wells and facilities • Relief valve and Regulation stations • Valve settings • Aerial crossings • Dehydration facilities • Town Border stations and meter facilities 	
	Remarks:	Date:
500 K70	State the DOT Standard (49 CFR 192.479) regarding Atmospheric Corrosion for pipelines installed after July 31, 1971.	
	Remarks:	Date:
500 K80	State the DOT Standard (49 CFR 192.479) regarding Atmospheric Corrosion for pipelines installed before August 1, 1971.	
	Remarks:	Date:
500 K90	State the DOT Standard (49 CFR 192.481) regarding the frequency of monitoring Atmospheric corrosion after meeting the requirements of 192.479.	
	Remarks:	Date:
500 K100	Describe the criteria for inspecting piping at a surface zone or riser.	
	Remarks:	Date:
500 K110	Describe other atmospheric corrosion risks factors including contact between two metals, "fretting corrosion" and bolting and threaded fasteners.	
	Remarks:	Date:
500 K120	Discuss why it is important to obtain a hard, continuous, and stable surface to act as the coating substrate.	
	Remarks:	Date:



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I have read the required materials and understand my responsibilities as an operator of this equipment or as an employee completing this task. I have received training to operate this equipment or perform this task safely and efficiently, and to the standards set forth by company, industry, state, or federal guidelines.

Employee Signature

Date

This Performance Checklist has been reviewed for completeness and correctness and signature of candidate verified.

Operator Representative

Date