

1.0 GENERAL INFORMATION

QCS Project No.: COW-001-001 **QCS Proposal No** 6223-276
Customer: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Street/City/State/Zip: Department of Public Works\Utilities
401 Lafayette Street
Williamsburg, Virginia 22903
Customer Contact: Aaron Small, Project Engineer
Tank Owner: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Tank Owner Contact: Aaron Small, Project Engineer
Purpose of Inspection: Tank Examination and Interior & Exterior Coating Evaluation
Date of Inspection: August 9, 2013
Inspected By: 1) Anthony Lovejoy, NACE Certified Coating Inspector #
2) Roger Triana, NACE Certified Coating Inspector #6219
3) William E. Pybus, NACE Certified Coating Inspector #402
Type of Inspection: AEC Standard Existing Steel Water Storage Tank Inspection

1.1 TANK DATA

Owner's Tank Designation: Jamestown Elevated Water Storage Tank
Tank Description: Double Ellipsoidal Elevated Water Tank
Tank Location (Street/City/State/Zip): Exmoor CT./Brookwood Drive
Williamsburg, Virginia 23185
Manufacturer: Pittsburg DeMoines **Construction Date:** 1957
Serial No.: None **Design Code:** AWWA D-100 (1955)
Capacity: 500,000 Gallons
Type of Construction: Welded Yes Riveted N/A
Number and Size of Support Columns: Eight (8)/ thirty (30") inches Diameter
Tank Diameter: 52'-0" **Overall Height:** ~130' **Balcony:** 116
Height to: High Water Level (HWL) 124'-0" Low Water Level (LWL) 94'-1"
Type of Access to Tank Interior: 1) Tower Access Ladder to Balcony
2) Shell Ladder to Roof Access Manway
3) Two (2) Manways in the Wet Riser at Grade Level
Tank Construction Drawings: No
Previous Inspection Records: AEC Inspection Report 2006

1.2 INTERIOR WET COATING HISTORY

Coating History: Coating Systems Replacement/Rehabilitation (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-10 "Near-White Blast Cleaning"

Coating System:

(1) Primer – Tnemec PotaPox 20 Series

(2) Finish Coat - Tnemec PotaPox 20 Series

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Chromium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Cadmium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable

1.3 EXTERIOR DRY COATING HISTORY

Coating History: Coating Systems Replacement/Rehabilitation (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-6 "Commercial Blast Cleaning"

Coating System:

(1) Primer - Tnemec PotaPox 20 Series

(2) Finish Coat – Tnemec Endura-Shield Series 75

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Chromium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Cadmium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable

1.0 GENERAL INFORMATION

QCS Project No.: COW-001-002 **QCS Proposal No** 6223-276
Customer: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Street/City/State/Zip: Department of Public Works\Utilities
401 Lafayette Street
Williamsburg, Virginia 22903
Customer Contact: Aaron Small, Project Engineer
Tank Owner: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Tank Owner Contact: Aaron Small, Project Engineer
Purpose of Inspection: Tank Examination and Interior & Exterior Coating Evaluation
Date of Inspection: August 8, 2013
Inspected By: 1) Anthony Lovejoy, NACE Certified Coating Inspector #
2) Roger Triana, NACE Certified Coating Inspector #6219
3) William E. Pybus, NACE Certified Coating Inspector #402
Type of Inspection: AWWA M42 Steel Water Storage Tank Inspection

1.1 TANK DATA

Owner's Tank Designation: Magruder Elevated Water Storage Tank
Tank Description: Double Ellipsoidal Elevated Water Tank
Tank Location (Street/City/State/Zip): Route 143 (James-York Shopping Center)
Williamsburg, Virginia
Purpose of Inspection: Tank Examination and Interior & Exterior Coating Evaluation
Manufacturer: R. D. Cole Mfg. Co. **Construction Date:** 1963
Serial No.: None **Design Code:** AWWA D-100 (1959)
Capacity: 500,000 Gallons
Type of Construction: Welded Yes Riveted N/A
Number and Size of Support Columns: Eight (8)/~ thirty (30") inches Diameter
Tank Diameter: 59'-0" **Height:** Overall 130' Balcony 115
Height to: HWL 124'-0" LWL 108'-1"
Type of Access to Tank Interior: 1) Tower Access Ladder to Balcony
2) Shell Ladder to Roof Access Manway
3) Two (2) Manways in the Wet Riser at Grade Level
Tank Construction Drawings: No
Previous Inspection Records: Yes; AEC Inspection Report 2005

1.2 INTERIOR WET COATING HISTORY

Coating History: Coating Systems Replacement (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-10 "Near-White Blast Cleaning"

Coating System:

(1) Primer – Tnemec PotaPox 20 Series

(2) Finish Coat - Tnemec PotaPox 20 Series

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Chromium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Cadmium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable

1.3 EXTERIOR DRY COATING HISTORY

Coating History: Coating Systems Replacement (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-6 "Commercial Blast Cleaning"

Coating System:

(1) Primer - Tnemec PotaPox 20 Series

(2) Finish Coat – Tnemec Endura-Shield Series 75

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Chromium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable
Cadmium:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Test Results: Not applicable

TANK DATA

I. GENERAL INFORMATION

QCS Project No.: COW-001-003 **QCS Proposal No** 6223-276
Customer: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Street/City/State/Zip: Department of Public Works\Utilities
401 Lafayette Street
Williamsburg, Virginia 22903
Customer Contact: Aaron Small, Project Engineer
Tank Owner: City of Williamsburg, Virginia **Phone:** (757) 220-6140
Tank Owner Contact: Aaron Small, Project Engineer
Purpose of Inspection: Tank Examination and Interior & Exterior Coating Evaluation
Date of Inspection: August 5, 2013
Inspected By: 1) Anthony Lovejoy, NACE Certified Coating Inspector
2) Ashlee Colley, QCS -Groundman
3) William E. Pybus, NACE Certified Coating Inspector #402
Type of Inspection: AEC Standard Existing Steel Water Storage Tank Inspection

II. TANK INFORMATION

Owner's Tank Designation: City Shops Reservoir
Tank Description: Ground Storage Reservoir
Tank Location (Street/City/State/Zip): 401 Lafayette Street
Williamsburg, Virginia
Purpose of Inspection: Tank Examination and Interior & Exterior Coating Evaluation
Type of Inspection: AWWA M42 Steel Water Storage Tank Inspection
Manufacturer: Erected Teel Products, Inc **Construction Date:** 1984
Customer No.: 23046 **Design Code:** AWWA D-100 (1979)
MFG. Serial No.: C1708 **Capacity:** 1,000,000 Gallons
Type of Construction: Welded Yes Riveted N/A
Tank Diameter: 66'-0" **Height:** Overall ~42 (Tank Center) Shell 40'-0"
Height to: HWL 40'-0" LWL Unknown
Type of Access to Tank Interior: 1) Shell Access Ladder to Roof & Roof Access Manway
2) Two (2) Manways in the Shell at Grade Level
Tank Construction Drawings: No
Previous Inspection Records: Yes; AEC Inspection Report 2006

TANK DATA

III. INTERIOR WET COATING HISTORY

Coating History: Coating Systems Replacement (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-10 "Near-White Blast Cleaning"

Coating System:

(1) Primer – Tnemec PotaPox 20 Series

(2) Finish Coat - Tnemec PotaPox 20 Series

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead: Yes No Test Results: Not applicable

Chromium: Yes No Test Results: Not applicable

Cadmium: Yes No Test Results: Not applicable

IV. EXTERIOR DRY COATING HISTORY

Coating History: Coating Systems Replacement (1994)

Coating Contractor: J & W Sandblasting Inc.

Surface Preparation:

SSPC SP-6 "Commercial Blast Cleaning"

Coating System:

(1) Primer - Tnemec PotaPox 20 Series

(2) Finish Coat – Tnemec Endura-Shield Series 75

Coating Manufacturer:

Tnemec Coatings

Coating Samples/ Heavy Metals Content Evaluation (% by WT.)

Lead: Yes No Test Results: Not applicable

Chromium: Yes No Test Results: Not applicable

Cadmium: Yes No Test Results: Not applicable