

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
 690 Walnut Ave. St. 150
 Vallejo, CA 94592-1133
 (707) 649-5453
 (707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 74.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Tipton, West Midlands, UK**Report No:** NCR-000942**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 14-Dec-2010**Submitting Contractor:** Goodwin Steel, UK**NCR #:** GSC-0003**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Cable Band
Procedural	Procedural	Description:	

Reference Description: During QA Monitoring of activities in progress, It was observed that:**Description of Non-Conformance:**

Noxyde Plus paint was stored in an unheated building. Outside Temperatures ranged from 0 to -10 C for 5 days straight.

Rust-Oleum Mathys data sheet version 04, PDS Noxyde-gb, Issued: 18-08-09 states:

SHELLIFE / STORAGE CONDITIONS

4 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

Water had been observed freezing on the casting located near the stored paint.

4 Castings have been painted with the affected paint and are currently being tracked by QA inspector.

Applicable reference:

Contract Special Provisions states:

10 1.71 CLEAN AND PAINT CABLE SYSTEM

Handling, mixing and addition of thinners or any other material shall be performed in accordance with the manufacturer's recommendations and with prior approval of the Engineer.

Who discovered the problem: Randy Riegler**Name of individual from Contractor notified:** Mr. C. Ryder**Time and method of notification:** 1700 Verbal**Name of Caltrans Engineer notified:** Mr. K. Guest**Time and method of notification:** 1700 Verbal

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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QC Inspector's Name: Mr. C. Ryder

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

The paint manufacturer has been contacted and a visit is scheduled for Tuesday 21 December for a technical representative to meet with Goodwin International personnel to discuss this issue.

Comments:

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy, who represents the Office of Structural Materials for your project.

Inspected By: Riegler,Randy

NDT Technician

Reviewed By: Guest,Kittric

SMR



DEPARTMENT OF TRANSPORTATION

333 Burma Road
Oakland CA 94607
Tel: 510-622-5661 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR, A JV
375 BURMA ROAD
OAKLAND CA 95607
Date: 14-Dec-2010
Contract No: 04-0120F4
04-SF-80-13.2 / 13.9
Dear: Mr. Charles Kanapicki
Attention: Mr. Karsten Baltzer
Job Name: SAS Superstructure
Subject: NCR No. GSC-0003
Document No: 05.03.06-000897

Reference Description: During QA Monitoring of activities in progress, It was observed that:

The Attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

Remarks:

Material Location: Cable **Lift:** N/A

Storage of Noxyde Plus paint was not in keeping with the manufacturer's requirements.

See NCR #GSC-0003 for further details.

Action Required and/or Action Taken:

The entire batch of Noxyde Plus paint is hereby rejected in accordance with Section 6-1.04 "Defective Material" of the Standard Specifications. Do not use this paint to coat any Cable Bands or associated components. The paint applied to the four (4) Cable Bands referenced in NCR #GSC-003 is also rejected.

If the Contractor wishes to have the batch of Noxyde Plus paint accepted, provide evidence to the Department such as test results, demonstrating that the properties of the paint are unaffected and concurrence or statement from the paint manufacturer.

Ensure all paint is stored in accordance with the manufacturer's requirements.

Transmitted By: Warren Collins Assistant Structural Rep

Attachments: GSC-0003

cc: Brian Boal

File: 05.03.06, 09.074.0015

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Attention: Siegenthaler, Peter
Resident Engineer

Ref: 05.03.06-000897

Subject: NCR No. GSC-0003

Dated: 23-Feb-2011

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Job Name: SAS Superstructure

Document No.: ABF-NPR-000927 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution:

"Please see the attached response from Goodwin Steel."

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-000927R00;

Caltrans' comments:

Status: CLO

Date: 23-Mar-2011

The NCR is resolved.

Submitted by: Collins, Warren

Attachment(s):

Date: 23-Mar-2011

GOODWIN INTERNATIONAL LTD.

NEWSTEAD TRENTHAM STOKE-ON-TRENT STAFFORDSHIRE ST4 8HU

Telephone : +44 (0)1782 654000

Fax : +44 (0)1782 208060

Monday, February 14, 2011

FAO : Jason Cross

The Goodwin Int response to the paint NCR (NCR-0003) is as follows.

The paint in question was placed in quarantine in a heated room at south staffs and all painting operations stopped.

The Rust-Oleum Technical Services Consultant Bruce Hawthorne and his colleague James Hunt were asked to visit South Staffs to discuss the issue concerning the remaining paint, during the meeting it was decided that the only way to ensure that the paint was fit for use on the Oakland Bay Bridge Project would be to send two samples back to the Rust-Oleum for retesting in Belgium at the plant where it was produced and put through the same tests carried out when the batch was first manufactured. The two samples (unopened containers) were hand picked by Bruce Hawthorne himself and dispatched from his office, attached is his Email to South Staffs which states that the paint is fit for purpose and that it passed all the required tests. At the request of Goodwin Int South Staffs moved the paint to a heated store room where it remains, and all the units that could have been affected have all been totally stripped of all paint and metal spraying and reprocessed.

This letter with the attached email from Rust-Oleum should address all the issues raise by NCR-0003.

Best Regards,



Mr. Chris Ryder
QA Project Engineer

Tel: +44 (0) 1782 654588

Fax: +44 (0) 1782 208060

Email: cryder@goodwingroup.com

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Tipton, West Midlands, UK**Report No:** NCS-000892**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:****Submitting Contractor:** Goodwin Steel, UK**NCR #:** GSC-0003**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Descriptor:	

Date the Non-Conformance Report was written: 14-Dec-2010**Description of Non-Conformance:**

Noxyde Plus paint was stored in an unheated building. Outside Temperatures ranged from 0 to -10 C for 5 days straight.

Rust-Oleum Mathys data sheet version 04, PDS Noxyde-gb, Issued: 18-08-09 states:

SHELLIFE / STORAGE CONDITIONS

4 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

Water had been observed freezing on the casting located near the stored paint.

4 Castings have been painted with the affected paint and are currently being tracked by QA inspector.

Contractor's proposal to correct the problem:

The paint manufacturer has been contacted and a visit is scheduled for Tuesday 21 December for a technical representative to meet with Goodwin International personnel to discuss this issue.

Corrective action taken:

Paint manufacturer took samples of paint during site visit in order to determine if the paint had been affected by exposure to cold temperatures. Final test results were received on 1-31-2011 with all tests passing.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:****Date:****Is Engineer's approval attached?**

QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

(Continued Page 2 of 2)

Yes No

Comments:

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Inspected By:	Guest, Kittric	Quality Assurance Inspector
Reviewed By:	Choy, Nina	QA Reviewer
