

**REQUEST FOR INFORMATION (RFI)**

RFI No.: ABF-RFI-001524R00 Submitted By: Kanapicki, Charles Pages: 3  
 RFI Date: 06-October-2008 Contact Name: Kanapicki, Charles Pages Attached: 2  
 Phone No. (510) 808-4600

<b>Subject:</b> E2 Shear Key A 354 BD Anchor Rods and A 563 DH Nuts	
<b>References:</b>	
<b>Sub/Sup:</b> DYS	<b>Sub RFI #:</b>
<b>Response Required by:</b> 13-October-2008	
<b>Response affects critical path activity?</b> No	

**Description:**

The referenced NCR (attached) identifies of anchor rods spherical nuts with noncompliant elongations and hardness respectively. ABFJV understands from the NCR that "Design approved incorporation of rods with noncompliant elongation; nuts pass tensile test, which overrides the hardness test."

Based on the above, ABFJV respectfully requests the Engineer's approval to accept the rods and nuts in question "as-is."

**Contractor Disposition:**

This RFI is being submitted for:

The Cost and Time Impact from this RFI is: Not selected

**Response:****Agreed Ext. Due Date:**Pages: 1Pages Attached: 0

The Contractor's request for approval of the non-compliant rods and nuts in this RFI is granted "as-is."

The Contractor shall ensure that this recurring problem with Dyson non-conformant materials will not arise in the future. Any such noncompliant product furnished is subject to rejection by the Department. The Contractor is encouraged to specify methods, encompassing fabrication and testing, to prevent recurrence of this problem.

In addition, the Contractor is required to submit an NPR to close NCR # DYSN-0005.

**Administrative Action:**

This response resolves the RFI.

<b>Date:</b> 14-October-2008	<b>Respondent:</b> Matin, Ron	<b>Phone No.:</b> 510-808-4611
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**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 #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Dyson Corporation, Painesville, OH**Report No:** NCS-000104**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 15-Oct-2008**Submitting Contractor:** Dyson Corp. & Subs**NCR #:** DYSN-0005**Type of problem:**

<b>Welding</b>	<b>Concrete</b>	<b>Other</b>	
<b>Welding</b>	<b>Curing</b>	<b>Procedural</b>	<b>Bridge No:</b> 34-0006
<b>Joint fit-up</b>	<b>Coating</b>	<b>Other</b>	<b>Component:</b>
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b>	

**Date the Non-Conformance Report was written:** 16-Sep-2008**Description of Non-Conformance:**

Trans Lab QA testing determined that Dyson Corporation provided nonconforming material:

1) Anchor rods: 2 heats (of 7 total) did not meet ASTM A 354 Grade BD requirements for elongation, 14% in 2 inches required. Heat Treatment Lot MJF 26 two-sample average: 13.45% (one 14.4%, one 12.5%); Lot MJF 30 two-sample average: 13.45% (one 13.6%, one 13.3%).

2) Nuts: Spherical nuts fabricated to ASTM A 563 material standards had insufficient hardness. A 563 Grade DH nuts require hardness between 24 and 38 on the Rockwell C hardness scale (C24 to C38). The three-nut average hardness was approximately C20, with one as low as C18.07.

This is the third such instance with Dyson since November, 2007.

**Contractor's proposal to correct the problem:**

Submit RFI to accept rods and nuts "as is."

**Corrective action taken:**

ABF responded in writing, requesting Department approval of non-conforming material. Design approved incorporation of rods with noncompliant elongation; METS was able to perform tensile test, which the nuts passed, overriding the hardness test per ASTM.

**Did corrective action require Engineer's approval?** Yes No**If so, name of Engineer providing approval:** Brian Boal**Date:** 16-Sep-2008**Is Engineer's approval attached?** Yes No**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 Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

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## QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

( Continued Page 2 of 2 )

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**Inspected By:** Petrina,Markian

Quality Assurance Inspector

**Reviewed By:** Iyer,Venkatesh

QA Reviewer



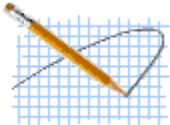
**Ron  
Matin/D04/Caltrans/CAGov**  
10/14/2008 01:06 PM

To Timothy Daszko/D04/Caltrans/CAGov@DOT  
cc  
bcc  
Subject Fw: NCR, Dyson--Nonconforming Products

Tim:

Please attach to RFI-1524R0. Thanks.

----- Forwarded by Ron Matin/D04/Caltrans/CAGov on 10/14/2008 01:05 PM -----



**Ajay  
Sehgal/D04/Caltrans/CAGov**  
v  
10/14/2008 11:20 AM

To Ron Matin/D04/Caltrans/CAGov@DOT  
cc  
Subject Fw: NCR, Dyson--Nonconforming Products

FYI, per your request!

AJAY SEHGAL, PE(CIVIL)  
SELF ANCHORED SPAN  
510-286-0308 (PH) 510-286-0550 (FAX)  
510-385-8195

----- Forwarded by Ajay Sehgal/D04/Caltrans/CAGov on 10/14/2008 11:19 AM -----



**"James Duxbury"**  
<jduxbury@tylin.com>  
09/24/2008 04:02 AM

To "Ajay Sehgal" <ajay\_sehgal@dot.ca.gov>  
cc "Brian Boal" <brian\_boal@dot.ca.gov>, "Marwan Nader"  
<marwan.nader@tylin.com>  
Subject RE: NCR, Dyson--Nonconforming Products

Ajay,

The DJV has reviewed the attached NCR.

With regards to the elongation of the ASTM A354 Grade BD rods, please note that based on the results, the rods are deemed fit for purpose.

With regards to the nuts, please note that the DJV defers to Caltrans / METS to determine if the nuts are fit for purpose.

Regards,

James

-----Original Message-----

From: Ajay Sehgal [mailto:ajay\_sehgal@dot.ca.gov]  
Sent: Monday, September 22, 2008 2:21 PM  
To: TYLIN@dot.ca.gov  
Cc: Brian Boal  
Subject: Fw: NCR, Dyson--Nonconforming Products

Hi James,

Brian Boal asked me to find out if the contractor can send NPR (with your consent) to accept the rods and the nuts as is without sending an RFI. If so, send us your written recommendation to accept the subject rods and nuts as fit for purpose.

Attached with this email is the NCR for your perusal.

AJAY SEHGAL, PE(CIVIL)  
SELF ANCHORED SPAN  
510-286-0308 (PH) 510-286-0550 (FAX)  
510-385-8195

----- Forwarded by Ajay Sehgal/D04/Caltrans/CAGov on 09/22/2008 02:11 PM  
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"Markian Petrina"  
<mpetrina@mactecqa.com>  
09/19/2008 02:28 PM  
To  
<ajay\_sehgal@dot.ca.gov>  
cc  
<Warren\_Collins@dot.ca.gov>, "'Bob Brignano'"  
<bob\_brignano@dot.ca.gov>, "'Brian Boal'" <brian\_boal@dot.ca.gov>, "'Venkatesh Iyer'"  
<viyer.smr@gmail.com>, "'Keith Hoffman'"  
<Keith.Hoffman@dot.ca.gov>  
Subject  
NCR, Dyson--Nonconforming Products

This is an advance copy "draft" because of a PMIV glitch. The NCR number should be DYSN-005.

Markian B. Petrina  
Materials Engineering and Testing Services

Office of Structural Materials  
690 Walnut Ave., Suite 200  
Vallejo, CA 94592  
o: 707-552-7715 x285  
c: 858-232-7083

(See attached file: Dyson NCR-005 (Final), Nonconf Matl, 9.16.08.pdf)



Dyson NCR-005 (Final), Nonconf Matl, 9.16.08.pdf