

**From:** Fowler, Samuel W. [<mailto:sfowler@nacintl.com>]  
**Sent:** Tuesday, April 14, 2015 7:55 AM  
**To:** Garcia-Santos, Norma  
**Cc:** Wisler, Erin M.; Adam, James  
**Subject:** RE: Model No. NAC-LWT---Edits

Hi Norma,

Holger got back to me on the active fuel length question for the Exxon fuel. Actually, everything is correct as is. The information presented in Tables 6.7.1-13 and 6.2.1-2 is "reference" information, which for the fuel type is question was 142 inches. To bound this, the analysis assumes 144 inches, which is reflected as the licensing limit in Table 1.2-5 and the CoC. Chapter 6 discusses this assumption on SAR page 6.3.1-2 that for PWR assembly models, the KENO-Va code uses an active fuel length of 12 ft. (i.e. 144 inches). We also went back to the original calculation for this and verified within the criticality code 144 inches was used, which indeed it was. Hopefully, this closes everything out. As soon as I receive the renewed CoC I will send it to DOT for competent authority approval.

Thanks.

**Wren Fowler**  
*Director, Licensing*  
*NAC International Inc.*  
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**From:** Garcia-Santos, Norma [<mailto:Norma.Garcia-Santos@nrc.gov>]  
**Sent:** Monday, April 13, 2015 11:37 AM  
**To:** Fowler, Samuel W.  
**Subject:** RE: Model No. NAC-LWT---Edits

Good morning,

It should not hold it up if the CoC has the correct value.

Just let me know if it is a typo and be sure that it is fixed in the next submittal of the Model No. NAC-LWT.

Thanks,  
Norma

**From:** Fowler, Samuel W. [<mailto:sfowler@nacintl.com>]  
**Sent:** Monday, April 13, 2015 11:21 AM  
**To:** Garcia-Santos, Norma  
**Subject:** RE: Model No. NAC-LWT---Edits

Thanks Norma. I passed the active fuel length question on to Holger. The table is chapter 1 of the SAR says 144 and the table you are referencing in chapter 6 says 142 while the CoC says 144. Probably is a typo in chapter 6. I will let you know as soon as I do. Just to make sure, this question isn't going to hold up the issuance of CoC Rev. 62, right?

**Wren Fowler**

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**From:** Garcia-Santos, Norma [<mailto:Norma.Garcia-Santos@nrc.gov>]

**Sent:** Monday, April 13, 2015 11:12 AM

**To:** Fowler, Samuel W.

**Subject:** Model No. NAC-LWT---Edits

Good morning Wren,

As discussed this morning, I am sending you the information about the drawing with two drawing Nos. (see picture—from the drawing -- below). Also, as I mentioned to you, it is an old drawing (~1998). I verified that the LWT 315-40-11, Rev. 2, was listed in the certificate.

NUCLEAR ASSURANCE CORPORATION				PROJECT
ENGINEERING SERVICE DIVISION NORCROSS, GEORGIA 30092				LWT
BWR FUEL BASKET ASSEM				DRAWING NO. 315-390
LWT CASK				
SAFETY ANALYSIS REPORT				
-----				REV.
PROJECT	DESIGN PACKAGE	DRAWING		2
LWT	315-40	11		
SCALE	WEIGHT	SH	OF	LOC
1/2	1124 LBS.	1	1	

About the discrepancy on between Table 6.7.1-13 and page 5 of the CoC for the Ex/ANF 14x14 WE fuel (Max. active fuel length...142 versus 144, respectively), I need to know what's is the correct value and either the application or the CoC would need to be revised.

Thanks,

*Norma Garcia-Santos*

Project Manager

NMSS\U.S. NRC

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X-VirusChecked: Checked

Received: (qmail 11361 invoked from network); 14 Apr 2015 11:55:41 -0000

Received: from 50-201-182-111-static.hfc.comcastbusiness.net (HELO N2K12Exchange) (50.201.182.111) by server-5.tower-96.messagelabs.com with RC4-SHA encrypted SMTP; 14 Apr 2015 11:55:41 -0000

Received: from N2K12EXCHANGE.nachz.nacintl.com (172.26.10.57) by n2k12exchange.nachz.nacintl.com (172.26.10.57) with Microsoft SMTP Server (TLS) id 15.0.712.24; Tue, 14 Apr 2015 07:55:24 -0400

Received: from N2K12EXCHANGE.nachz.nacintl.com ([fe80::e92f:9106:744b:d88e]) by n2k12exchange.nachz.nacintl.com ([fe80::e92f:9106:744b:d88e%13]) with mapi id 15.00.0712.012; Tue, 14 Apr 2015 07:55:05 -0400

From: "Fowler, Samuel W." <sfowler@nacintl.com>

To: "Garcia-Santos, Norma" <Norma.Garcia-Santos@nrc.gov>

CC: "Wisler, Erin M." <ewisler@nacintl.com>, "Adam, James" <jadam@nacintl.com>

Subject: RE: Model No. NAC-LWT---Edits

Thread-Topic: Model No. NAC-LWT---Edits

Thread-Index: AdB1/DKwhO5Q0ToVTdmdkB0Y2CU6dAAAO0QAAABxE9AAKmj7AA==

Date: Tue, 14 Apr 2015 11:55:05 +0000

Message-ID: <cd236a4c25a04a198264417549eab498@n2k12exchange.nachz.nacintl.com>

References:

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<3e6ac8db436d41fb854526936cc3dadd@n2k12exchange.nachz.nacintl.com>

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X-MS-TNEF-Correlator:

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