

**Subject:** Re: Another waiver

**From:** Dennis Coyne <coyne@ligo.caltech.edu>

**Date:** 2/7/2008 11:46 AM

**To:** Brian O'Reilly <irish@ligo-la.caltech.edu>

**CC:** Ken Mason <kmason@ligo.mit.edu>, Stephany Foley <stephf@ligo.mit.edu>, Joe Hanson <jhanson@ligo-la.caltech.edu>, Bob Taylor <taylor\_r@ligo.caltech.edu>

OK, thanks for the clarification Brian. Waiver granted.

Dennis

Brian O'Reilly wrote:

Hi Dennis,

I was planning to ultrasonically clean them here. The helicoils have already been vacuum baked and are class A.

Here are the waivers we got so far:

- 18 1/2-13x2.0" silver plated bolts for the spring posts. These were class A parts used on the LOS install which were cut down to length from 2.5" and then cleaned and air-baked. They insert into the spring posts from the underside of Stage 0 and are as far from the table as you can get.
- 12 1/8x3/8 and 12 1/8x1/2 dowel pins used in the actuators.
- 50 1" barrel nuts. These get class A helicoils.

So the slope is hopefully not too slippery.

Brian

Dennis Coyne wrote:

Brian,

We seem to be heading down a slippery slope here -- waiving an increasing number of parts -- making me a little nervous. Before I say yes:

Has Bob cleaned the parts? Using the ultrasonic thread probe? Without the helicoil inserts installed?

Are the helicoils also thoroughly cleaned by Bob?

Assuming yes to all questions above (I've called Bob & left voice mail questions), and we air bake for 48 hrs, then I'll grant a waiver.

Dennis

Brian O'Reilly wrote:

Dennis,

We ended up short about 50 barrel nuts for the HAM-ISI assembly. I just spoke with Bob Taylor and he is

overnighting us some. These are aluminum and require a helicoil. I'd like to get another waiver to air-bake these over the weekend instead of waiting for a vacuum bake cycle.

Brian