

I have now updated v3 to reflect this request re airborne dust.

[LIGO-D1200962-v3](#)

Calum

On 11/5/2014 7:18 AM, David Nolting wrote:

Ok...this will do.

Thanks

On 11/4/14 3:04 PM, Calum Torrie wrote:

Hi David and Eric

As per below and as per attached the lead blocks come sealed in plastic bags. I can confirm that the outside of the bags and the container (cardboard box) they were in did not have any lead dust. However, I can confirm that when you take the lead out of the bags that there is dust present. Hence, as per our procedure [LIGO-D1200962-v2](#) we protect the individuals until we have the lead inside our long term sealed enclosures.

Let me know if you need anything else.

Calum

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

Subject:Lead Disc Inquiry

Date:Tue, 14 Oct 2014 12:49:47 -0500

From:McMaster-Carr <la.sales@mcmaster.com>

To:<ctorrie@ligo.caltech.edu>

Hi Calum,

The lead discs ([90385K46](#)) you called about come wrapped in a thick plastic bag.

Bob

--
David J Nolting
LIGO Lab Chief Safety Officer
Office: 225-686-3191
Cell: 504-722-4503

"An investment in knowledge pays the best interest"
--Benjamin Franklin--

-- Eric;

Can someone take a picture of the container that the lead was shipped in, as well as what the inside of the container looks like. Need to make sure that there is no lead dust present. If so, we need to make sure that the container is opened and allow for any particles to settle before people reach into the container.

On 10/30/14 2:09 PM, Eric Gustafson wrote:

David,
It is in the works now. The safety instructions are in the Assembly document. do we need to put them in the OpLev hazard analysis as well and if so can we do it without everyone having to sign it again?
Eric

Eric Gustafson
361 West Bridge Lab Caltech
626.395.3039
egustafs@ligo.caltech.edu

On Oct 30, 2014, at 11:31 AM, David Nolting <dnolting@ligo-la.caltech.edu> wrote:

| When will this be done?

On 10/30/14 1:25 PM, Eric Gustafson wrote:

David,
the lead discs are shipped in plastic wrapping. during assembly the people use gloves, the plastic wrap is removed, the discs are placed into the protective metal containers and there are sealed closed with latches before being mounted on the pylon.

Eric

Eric Gustafson
361 West Bridge Lab Caltech
626.395.3039
egustafs@ligo.caltech.edu

On Oct 30, 2014, at 11:21 AM, David Nolting <dnolting@ligo-la.caltech.edu> wrote:

Eric;

Are the lead discs wrapped? If so...it's ok to handle as is with the use of gloves. But, if the discs are not wrapped, look into the box/crate to see if any dust is present that might have been generated by the rubbing together of the discs during shipment. Let me know!

On 10/30/14 12:04 PM, Eric Gustafson wrote:

David,
Is there any toxicity hazard in handling solid discs of lead. We will not be machining them or generating dust just opening a shipping box and installing them into sealed housings.
Eric

Eric Gustafson
361 West Bridge Lab Caltech
626.395.3039
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