

~~DI40~~  
DI40N10-06242004-2delinf3.doc

From: "R.O. Rushton" <rorushton@hopewelldesigns.com>  
To: "Eric Jameson" <EJameson@dnr.state.ga.us>  
Date: Thursday, 24 June, 2004 18:53:16  
Subject: Re: a couple of last questions on the DI40

Eric,

I apologize for not getting back to you sooner. I was in meetings most of the day, then had to go to the doctor to take care of a dog bite. My dog hurt himself last night. When I went to look at it, he told me quite quickly that he did not like it. It was just a nip, but he did puncture the skin. So in addition to taking him to the doctor last night, I got to visit the doctor this afternoon.

I looked at my copy of the application, and apparently, I never included the radiation data. I apologize for this oversight. In looking back, I think I had to ask Dave Seagraves to resend his data, which is why his email is dated February.

In any event, I have attached the MCNP output that Dave generated. It is over 100 pages, so I will be happy to print it out and mail it to you if that is more convenient. Let me know. I am still searching for the Microshld files. I may have to reprint these, in which case I will send them to you by Monday.

I have also attached a couple of slides from a Powerpoint presentation on the DI40 that shows the overall cabinet. This should give you an idea of what it looks like.

Sincerely,

R.O.

R.O. Rushton  
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RORushton@HopewellDesigns.com

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

From: "Eric Jameson" <EJameson@dnr.state.ga.us>  
To: <rorushton@hopewelldesigns.com>  
Sent: Thursday, June 24, 2004 11:09 AM  
Subject: a couple of last questions on the DI40

R.O.,

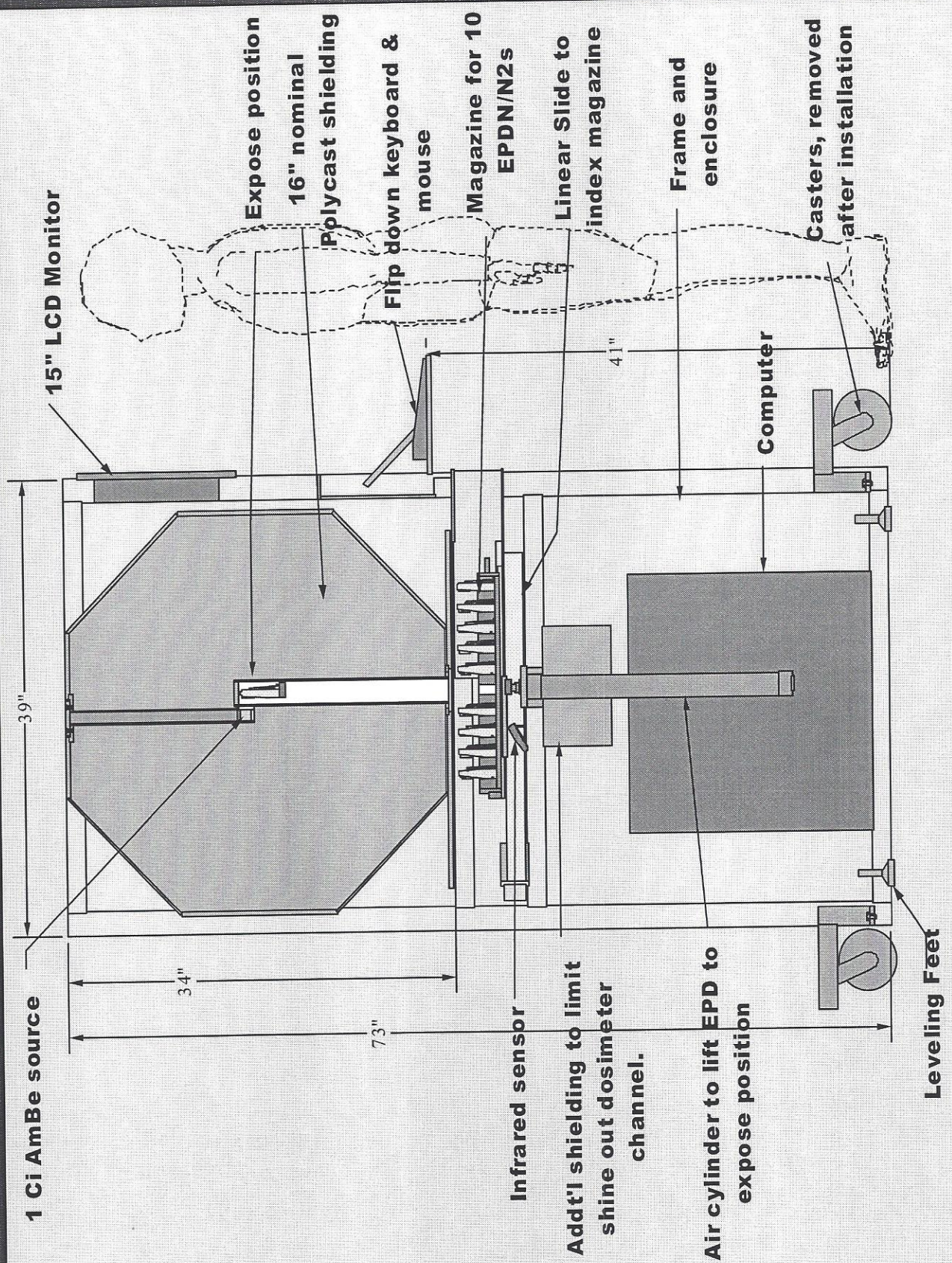
*During a last check through the application, I realized that "Appendix D: Radiation Profile Data" contained no information, as was indicated in Section 7.1, Radiation Profiles, Methodology.*

*Please provide these reports, so that we have the data present. This would be in addition to the partial submittal from yesterday pertaining to the neutron dose rates.*

*Also, no information was listed that described the exterior paneling of the unit, that contains all the other components. This is useful to aid inspectors in identifying the unit visually.*

*Thanks for your assistance to these items.*

*Eric T. Jameson  
Environmental Radiation Specialist  
Radioactive Materials Program  
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fax: 404-362-2653  
e-mail: ejameson@dnr.state.ga.us*



1 Ci AmBe source

39"

15" LCD Monitor

Expose position  
16" nominal  
Polycast shielding

Flip down keyboard &  
mouse

Magazine for 10  
EPDN/N2s

Linear Slide to  
index magazine

Frame and  
enclosure

Casters, removed  
after installation

34"

73"

Infrared sensor

Add'l shielding to limit  
shine out dosimeter  
channel.

Air cylinder to lift EPD to  
expose position

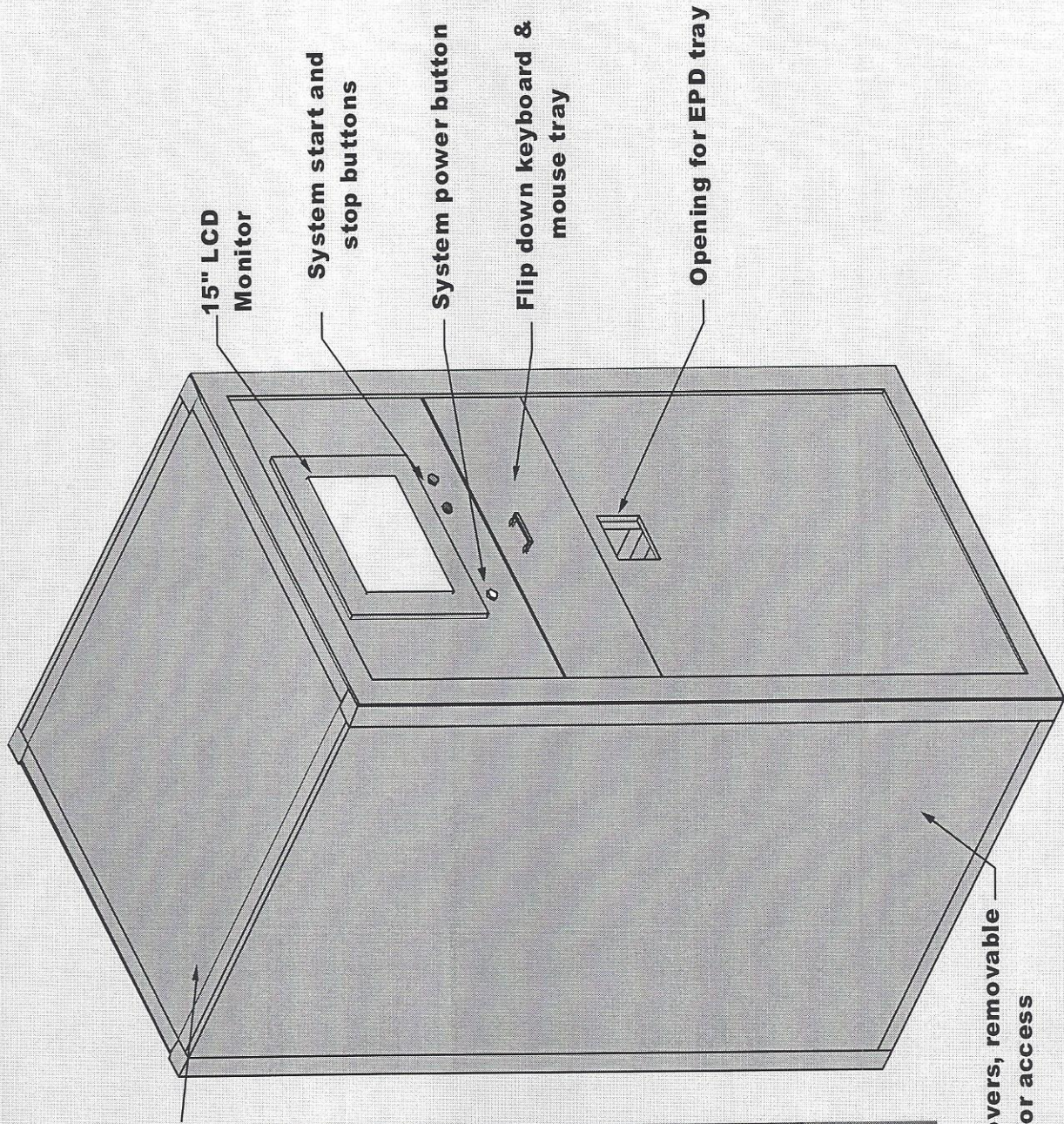
Computer

41"

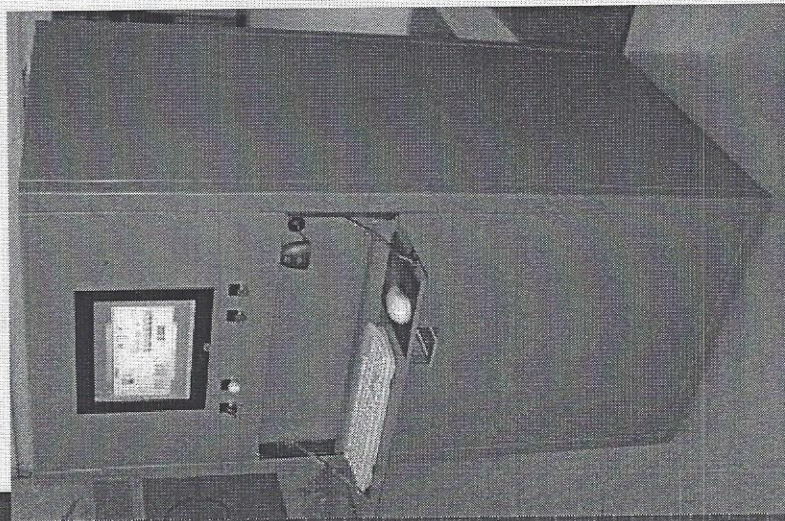
Leveling Feet

# Cross Section of Irradiator

# Overall View



Frame tubing & top cover are removable for shield installation



Side covers, removable for access