



**Holts**  
 <holthome@worldnet.  
 att.net>

To: Dennis Faulk/R10/USEPA/US@EPA

07/04/2001 06:38 AM  
 Please respond to  
 holthome

cc:  
 Subject: [Fwd: BRMA] Hanford 105-B Reactor Cleanup Plan

Hi Dennis: Hang in there! The attached will tell you better than new words about why I send \$20 a year to B Reactor Museum Association in the hopes it will become a National Monument and Historical site. Working there just out of college after WW II was a mountain top experience---even though now I am rather opposed to any nuclear power until long-term waste and health effects can be addressed much better than they have been yet.

I hope to take my family on a visit to Hanford and B Reactor. They have never been there and won't believe it even when they see it. We copied and enlarged it's water cooling system when I worked on the Reactor Cooling Systems project for 105-C and 105-H Reactors 1950-1953. It is amazing how few improvements we made to the 105-B design!! Some might say it was because the early 105 Reactors were way over designed due to unknowns and fears. I am not so sure about that. We are just beginning now to appreciate what we are dealing with, with less reliable systems like Chernoble and Electric Power generating Reactors. **NONE** have have triple 3-X safety backup systems or even reliable 2-X systems with redundancy!! Poor to design for profit when so much is at stake. This is another reason the entire 105-B Reactor site is such a great learning experience for today's designers. We desperately need the US Government and funding back into the Reactor safety and health design issues!!

At such very low overall thermal efficiencies, Nuclear Power generation may never be cost-effective and have less thermal pollution, but at least it can be safer and less risk to long-term health of our descendants if enough money is thrown at it. Easier to justify than a lot of the Federal annual discretionary spending. To say nothing of the billions needed for cleanup of past sites to protect water supplies, life of all kinds, etc etc.

No wonder those of us who worked there want 105-B and Hanford to be a treasure for learning of all kinds, including insight into science and social considerations for future generations to come. Awesome!

Vernon E. Holt  
 45 Franklin Road  
 Mendham, NJ 07945-1822

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 AUG 14 2001

**EDMC**

Hanford Energy Works, Washington State 1950-1953 after B.S.; Korean War Draftee; M.S. on GI Bill and PhD Engineering, Purdue; Professor, then Engineer at Bell Telephone Laboratories, Inc.; Professor again and now retired.

----- Message from "Gene Weisskopf" <genew@owt.com> on Thu, 4 Jan 2001 06:25:12 -0800 -----

**To:** "Holts"

<holthome@worldnet.att.net>

**Subject:** Re: BRMA

Hello Vern,

I'm working on the BRMA newsletter (coming out next week) and was wondering if it would be okay to put a couple of your remembrances in our New Member section?

If so, I've put together a few bits from your letter and e-mail (below). Please edit, add to, etc. Thanks,

Gene

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Mr. Holt found us via our Web site, and quickly sent in a membership application, along with a few remembrances. He says that he worked at Hanford from 1950 to 1953, and worked on the preliminary design of the 105-H Reactor, and the design of components in the final stage of the 105-C Reactor.

"I stumbled across your site while looking for reports on Nuclear Reactor Safety and Waste Disposal that I did some work on after retiring. I ran into reports edited by a former colleague still at Hanford, Warner Blyckert. I then clicked on other links to "Blyckert" including several folks in Sweden, and one to a teacher, Mrs. Blyckert's 2nd grade class photo, from 1962 in Richland (apparently she struck quite a chord with those kids who have a chat page), with links to Hanford and 105-B Museum.

"I worked at Hanford when we had high hopes of saving the future of the world with unlimited cheap electric power!"

As a 21 year-old just out of college, I had far more responsibility for spending many millions in the 105-C and 105-H Reactor design and construction than on any program since. Awesome. (Scared me then and does yet.) We forged ahead in great haste in the McCarthy Cold War era under the great GE management slogans "Give a person a good reputation to live up to and they will," and "With GE you go First Class." And we did, even on plane trips! I learned to fly at the Pasco Airport under the tutelage of the great Colonel Parkinson in an Aeronca with zero margin for icing.

The 105-B \*should\* be a National Historic site and future treasure. Our descendants won't believe it!"

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----- Original Message -----  
From: "Holts" <holthome@worldnet.att.net>  
To: "Gene Weisskopf" <genew@owt.com>  
Sent: Monday, December 25, 2000 7:17 AM  
Subject: Re: BRMA

Dear Gene: Yes. I stumbled across your site while looking for reports on Nuclear Reactor Safety and Waste Disposal that I did some work on after retiring, and stumbled across reports edited by a former colleague still at Hanford, Warner Blyckert, and then clicked on other links to "Blyckert" including several folks in Sweden, and one to teacher Mrs. Blyckert's 2nd grade class photo 1962 in Richland (apparently she struck quite a chord with those kids who have a chat page), with links to Hanford and 105B Museum.