

**From:** [Alfred Lembrich](#)  
**To:** [Lynch, Steven](#); [Tran, Linh](#)  
**Cc:** [al](#)  
**Subject:** concerns & comments on proposed Shine Technologies isotope facility in Janesville, WI  
**Date:** Wednesday, July 25, 2012 2:20:28 AM

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Dear Sirs:

I am re-typing this email that was sent as an attachment yesterday, which you could not open.

I wish to convey additional concerns and reminders regarding the proposed Shine Technologies isotopes facility here in Janesville, WI.

The site is within the city limits and appears to be about 1,000 feet of low income residences and trailer court. This seems contrary to NRC recommendations to build these facilities away from population density

It is very close, adjacent to hwy 51, a long standing very busy major connector highway between Beloit & Janesville. There is no frontage road and would be dangerous to access from the proposed facility. Exposures of any kind or accident would likely shut down public ground and local air traffic immediately, and endanger nearby residents.

This proposed site is across the adjacent highway from and in direct line with major airport runways that end close to the highway and would probably require either no building or only a one story facility with no towers or structures of any height. Some planes landing have flown over the highway here barely 20 feet higher than highway traffic. Large cargo planes with loaded fuel take off and land, and if a facility was built, it would be a logical crash site, should a plane develop severe problems. These runways were extended once before and the highway was re-aligned to accommodate that. If the airport would ever need to extend the runways in the future, it would be denied that possibility, should a facility be built here.

This proposed site is on the best agriculture land in the country, and was apparently only extended/annexed to the city recently to facilitate Shines request to provide a site for Shine. There could be risks of contamination to ground, water or air from the proposed site. There could even be risks to the Macfarlane Pheasant farm which has probably hundreds of acres in the surrounding area, where thousands of pheasants are raised in the open for

placement in preserves, for hunting and for food consumption.

Rock River is closer than four miles. All our drinking water and city wells draw water from underground aquifer's. The aquifer's level has been dropping due to increased use. Artesian wells have stopped running even before the drought started. Since the drought people have had to drill deeper wells for water. Beloit downstream faces the same situations and we don't want their drinking water contaminated by exposures from Shine here. Beloit has an isotope company that has already begun planning/building a isotope facility 12 miles away. They will be using a much safer method as I understand it. Why would you want two facilities so close together? For National distribution efficiency and safety, doesn't it make sense to have one near the West coast , one in the Midwest and one near the East coast?

There would be less danger and distance to transport nuclear items or waste. Out of the three sites Shine had in mind for their facility, this has to be the worst one. I believe the only reason they selected this one , appears that Janesville officials offered better and bigger loans, and more money incentives to come here. The majority of citizens do not want it here. I strongly suggest that you ask Shine to put forth information on their other two considered sites, so you can compare them. There are too many risks and dangers here and to duplicate Beloit's isotope facility just 12 miles away does not make much sense to me. There is also sand and related mining activity between Beloit & Janesville that could have some effect. This type of facility will restrict residential and business expansion. No one wants to live, work or start a business close to this isotope facility.

At least 95% of its employees will be from the Madison & Milwaukee areas who will commute and spend their money back in their home area. This is because of the type of special employees needed, that are not available locally. Also 24 hour manned security needs to be in place, as well as electronic alarms to warn of malfunctions and also other safety systems.

Shine has not kept the city informed, nor has it informed concerned citizens, of the steps and meetings, and some public meetings they have had with the NRC and others. Local citizens were not aware of the public meeting held by the NRC. I believe they should be required to put out news releases locally in the long process involved, even if only a summary of subject matter discussed or agreed on. Our State DNR has not been informed at all of this proposed

nuclear isotope facility, even though they will have a say in this matter. If they don't approve the plans, then it could be a waste of everybodys time.

What amount and type of insurance would be required of Shine to cover any possible contamination, damage or exposure and siite cleanup down the road? If they don't have insurance in a large amount, they should be required to have say \$20 million or so in a escrow for cleanuo before operation begins. Most of the useful life of other isotope facilities has been about 40 years. So who holds responsibility after that? Where is the money for cleanup? Local taxpayers don't want the costs. We would want all waste materials removed quarterly, certainly within each year.

I would appreciate any comments you may have after reviewing my questions and comments with the nrc staff. Thank you for your time. Please include this email as public comments in the record in regards to Shines proposed facility in Janesville,WI. This is also in part a response to the "revised draft interim staff guidance regarding the environmental report for applications to construct and operate redioisotope facilities".

Sincerely,

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