

November 21, 2013

Mr. Justin Sooper  
ATTN: Jacob  
North Clackamas School District 12  
Concord Elementary School  
3811 SE Concord Road  
Milwaukie, OR 97267-3999

Dear Jacob:

Thank you for your letter to Chairman Macfarlane and your interest in nuclear energy. Unfortunately, your questions regarding the nuclear materials used in a bomb and how bombs detonate are outside the responsibility of what the U.S. Nuclear Regulatory Commission (NRC) does. That is really stuff that the U.S. Department of Energy handles and most of it they do not want to talk about for security reasons.

However, I have included a copy of our *Information Digest* which describes what the NRC does and includes some interesting pictures and drawings of nuclear reactors and nuclear materials. The digest provides information on how nuclear power is used to generate electricity. It also provides information on how nuclear materials are used in the medical industry to treat diseases, such as cancer.

There is also a lot of useful information that you can find on our Web site at the "Students Corner" at <http://www.nrc.gov/reading-rm/basic-ref/students.html>. Also, the following NRC YouTube video briefly explains radiation and how nuclear power is generated. It can be found at: <http://www.youtube.com/watch?v=ekHVpMQCQIE&list=TLalg-D302CT71D2UoyrC1qsAJ9pXDVk32>.

Please feel free to keep the digest and share this information with your class, teachers, and family.

I hope you find the information interesting and perhaps it will result in more discussions about nuclear power in your classroom. Thank you again for your letter and best of luck in school this year.

Have a great day!

Sincerely,

**/RA/**

Brian E. Holian, Acting Office Director  
Office of Federal and State Materials  
and Environmental Management Programs

Enclosure: *Information Digest*

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Brian E. Holian, Acting Office Director  
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Enclosure: *Information Digest*

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