

**From:** "RJ & Associates, Inc." <MainOffice@RJAssociates.us>  
**To:** "Eric Jameson" <Eric.Jameson@dnr.state.ga.us>  
**Date:** Monday, 20 April, 2009 23:27  
**Subject:** Re: Scan Technoloies, Inc. Analyzer-6

Eric,

(1) The Analyzer-6 will use the 100ST Frontier source. The way that Frontier manufactures this source is they manufacture the 10S capsule which is a licensed capsule, and then put it inside the 100ST (or some other) cylinder in the final configuration, which is also certified for Special Form Status. The Analyzer-5 specified the 10S source, but this may have been done so that it could then be inserted into any of the 100 type capsules to best fit the source rod.

Therefore, the Analyzer-5 and the Analyzer-6 would use the 100ST capsule which contains the 10S capsule inside of it, and I think it might be possible to end up with a 10S and 100ST capsule in the same source rod. Can we license the Analyzer-6 to use the 10S capsule, and then use it alone or inside the one of the other (100ST) capsules for sizing purposes? Regardless of the configuration, we would always limit the number of capsules to 3, and limit the total activity to 50 ug as specified in the application.

(2) There is no retracted or shielded position in the manual drive unit. The only shielded position is in the storage drum. For all units that use the manual source drive, the source must be removed and placed in the storage drum before performing any maintenance on that part of the analyzer or belt. You would not necessarily remove the source just because the belt was empty. However, you would not crawl into the analyzer along the belt if the source rod was in the machine.

Customers are actually instructed not to remove the source rod at all, but to contact a licensed person who would then remove the source rod. Therefore, if a belt broke and someone had to crawl into the analyzer to fix it or replace a roller, etc., they would have to arrange for a licensed nuclear energy worker (Scan Tech Service Engineer) to remove the source rod to the storage drum, and then replace it when the analyzer was again ready for operation.

I hope this answers your questions. If you need further information, just let me know.

Sincerely,  
Jack

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Jack Ramsey  
RJ & Associates, Inc.  
MainOffice@RJAssociates.us  
770-338-2868 Phone  
888-889-1374 Fax  
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----- Original Message -----

From: "Eric Jameson" <Eric.Jameson@dnr.state.ga.us>  
To: "Inc. RJ & Associates" <MainOffice@RJAssociates.us>  
Sent: Thursday, April 16, 2009 4:30 PM  
Subject: Re: Scan Technoloies, Inc. Analyzer-6

Jack,

I'm finishing up the draft of the Analyzer-6 amendment and wanted to get some confirmation on a few

items.

1) In the initial issue of the SS&D certificate, the Analyzer-5 can use either the QSA Global CVN.CY2 source or the Frontier 10S source. The Analyzer-6 states that it will use the same QSA Global source, but the Frontier 100ST source. Will the Frontier 100ST be used instead of the 10S, or as an additional source option? If it will replace the 10S source, will current Analyzer-5 units that are due for "top off" have all their sources changed out at once, or will there possibly be a combination of 10S and 100ST sources in a source holder?

2) For all units that utilize the manual source drive: Are customers instructed to always remove the source to the source storage drum before emptying the conveyor belt of its load? Also, I just want to confirm that there is not a "source retracted/shielded" position in the manual-drive units; the only shielded position is in the storage drum.

I will send you a copy of the draft via email when I send it to concurrence review. This will give you a chance to make sure I have accurately represented your intended request.

Additionally, I don't think we have sent an invoice as requested in your December 5, 2008 amendment submission. Attached is the requested invoice. Note that this will be applicable for the SS&D amendment as well as the accompanying license amendment, which will include the items requested in your January 25, 2009 letter.

If I can be of additional assistance, please let me know.

Sincerely,

Eric T. Jameson  
Environmental Compliance Specialist  
Radioactive Materials Program  
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>>> "RJ & Associates, Inc." <[MainOffice@RJAssociates.us](mailto:MainOffice@RJAssociates.us)> Wednesday, 08 April, 2009 23:23 >>>  
Hello Eric,

I just wanted to see if you were going to get through this thing before Easter. I know it's a tall order, but we have a lot riding on this license. If there is anything you need from me, please let me know as soon as possible so I can get onto it.

I hope you have a wonderful Easter and I look forward to hearing from you soon.

Sincerely,  
Jack

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Jack Ramsey  
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