RADIATION SAFETY PROGRAM AUDIT CHECKLIST

Licensee Name Holey : Aldrich Inc. (Boston)	License No. 20-20825-02
Auditor's Name (print) Nancy Straub	030-34373 Date of Audit 2/14/2005
Auditor's Signature Janey a. Stant	2005-001

AUDIT ITEM	YES	NO	Comments
1. Audit History			
a. Last audit at this location (date)?			
b. Were previous Audits conducted yearly?		X	gauges lept only temp.
c. Were any deficiencies noted during the last			
two audits? Any deficiencies repeated?		<u> </u>	
d. Were corrective actions taken?			
2. Organization and Scope of Program			
a. If the mailing address or place of use changed,			Boston license
was the license amended?			amended 2002.
b. If the RSO changed, was the license amended?			Shill lists
Does the new RSO meet the training			Steve Lesparance
requirements?		! 	
c. Does the license authorize all of the			lunknown - we are temp users under
radionuclides in the gauges possessed?			Boston lianse
d. Are the actual uses of the gauges consistent	1		in this offra-yes
with the authorized uses on the license?	λ		4
e. Is the RSO fulfilling his/her duties?		X	Comporate- no WAS- just starting
3. Training and Instructions to Workers	ļ		0
a. Have all workers received initial radiation			
safety training? Refresher training?			
b. Have all workers received required Hazmat	$ \searrow $		
training? Refresher training?			
c. Are training records maintained for each	\searrow		
Individual?	/ \		
d. Did interviews/observations reveal gauge			not performed
operators know emergency procedures?		X	before
Leak testing procedures? Service procedures?		•	0 - 10.0
Transportation procedures?			

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1. Radiation Detection Instruments	<u> </u>	ļ	
a. Is a survey meter available for radiation?	\geq		or NETS! Im Boston
b. Have the instruments been calibrated within			I was just calibrated.
the last year?			Other-Beston's obligation
c. Are calibration records maintained?	<u> </u>		N/k-Bostons job
d. Are operation checks performed prior to use?	\geq		each day
5. Gauge Inventory			
a. Is a record kept showing receipt of each	\ /		but incomplete
gauge?			
b. Are all gauges physically inventoried at least	$ \rangle$		When in our possession,
every six months?			but must retiling event
c. Are records of inventories maintained?		\times	
6. Personnel Radiation Protection			
a. Are ALARA considerations incorporated into	$/\!\!\!\!/$		monitoring of
The radiation safety program?			exposure ()
b. Are all branch office personnel assigned TLD			those who operate handle
badges?			jange .
c. Do all personnel wear their TLD badges in the	1		V
restricted area and when handling gauges? Are	$\mid X \mid$	}	
badges properly stored when not in use?	1 1		
d. Are TLD badges exchanged at least quarterly	\land		Landauer
and processed by a NVLAP accredited	X		
organization?			
e. Are dosimetry reports reviewed by the RSO			yes-quarterly
when received?			\ /
f. If a worker declared her pregnancy, were the			N/A
applicable requirements met?			
g. Were radiation and contamination surveys in		\ /	1st one just
restricted and unrestricted areas performed		X	performed in yr.
quarterly?			(do5e)
h. Are records of surveys maintained?		$\geq \leq$	not yof
7. Public Dose			
a. Are gauges used and stored in a manner to	\searrow		\10 S
keep public doses below 100 mrem in a year?			yes.
b. Has a survey or evaluation been performed to	\ ,		2/14/2005
demonstrate public dose limits are met?	$X \mid$		none shown/found
(indicate the date)	$/ \setminus $		previously.
·	1.	•	,

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c. Have there been any changes in the use or		\	
storage of gauges or in the use of surrounding		X	
areas that would necessitate a new survey or	İ		
evaluation?	<u> </u>		
d. Are unrestricted area radiation levels less than			only if someone touches
2 mrem in any one hour?	/\		gainges cases - not restrict
e. Are gauges stored in a manner to prevent			encined, holted to
unauthorized use or removal?			floor, & laked (2)
f. Are records maintained?	\times		daily sign in out log
8 Operating and Emergency Procedures			
a. Are current copies of operating and emergency			include in case
procedures available to each individual?			
a. Did any emergencies occur? Were they			
properly handled?			NA
9. Leak Tests			
a. Was each customer gauge leak tested upon		· · · · · · · · · · · · · · · · · · ·	when returned recently
receipt?			yes; earlier -> check w/ Bos
b. Are leak tests performed in accordance with			Boston-files
procedures?			1001011 1160
b. Is each gauge in inventory leak tested at least			Boston-firs
every 6 months?	l i		
c. Are records of leak test results maintained for			Boston-files
each gauge?			כ און איזטוכטע
d. Were any sources found leaking?		i	Boston - files
10. Maintenance of Gauges			
a. Are procedures followed for cleaning and			unartain - Boston
lubrication of gauges?]]		gauge 5
b. When the source rod is removed from the			NA -never performed
gauge, is it stored in a shielding pig?			per politicasi
c. Do personnel observe good ALARA			
practices?	[1	unknown
11. Transportation			
a. Are DOT 7A packages used for transport of			uncertain if pkg
gauges? Is documentation of package testing	X	,	documentation
maintained?	$/\setminus$		exists in Boston
b. Is special form source documentation			but incomplete
maintained?	XI		
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North East Technical Services, Inc. RSO Training Man	ual		Revised 9/21/04
c. Packages have two labels (e.g. Yellow-II) on opposite sides with TI, nuclide activity and hazard class? Cargo only label?	X		
d. Packages are properly marked?	X	-	
e. Packages are inspected prior to shipment?	X		+
f. Packages are sealed (cases locked)?	X	-	112 <
g. Shipping papers are properly prepared for all gauges shipped?	X		by NETS
h. Bill of Lading (shipping papers) and emergency instructions are within drivers reach during transport?	X		yellow folder
i. Packages are not carried in passenger compartment of vehicle?	X		brunk.
j. Packages are secured against movement in vehicle?	X		
12. Notifications and Reports			
a. Was any radioactive material lost or stolen? Were reports made?		X	NA
b. Did any overexposures occur? Were reports made?		X	N/A
c. If any events occurred, was the root cause determined and corrective actions taken?		×	N/A
13. Posting and Labeling			
a. "Notice to Workers" posted?	×		
b. Notice posted stating where workers can read a copy of the regulations and license?		X	will do
14. Summary of Deficiencies Identified During Au	idit (att	ach addi	tional sheets as necessary)
Deficiencies Posting about reas a liverse insufficient testing for dose, leak, etc set up so interview staff about energency procedures by to complete documentation	tings	Comple	tive Actions/Planned etion Date
15. Other Recommedations for Improvement (attac	h additic	nal shee	ets as necessary)
- schedull small lunch mits on Nuke gauge streequest missing files from Edston			

References:

Nureg 1556 COMAR US DOT Website NRC Website MDE Website IATA Website

Authors:

Douglas Sims, Jr. – North East Technical Services, Inc. / Dean Carter Group, Inc. Jeffrey Castonguay – North East Technical Services, Inc. / Dean Carter Group, Inc. Lisa Sims – North East Technical Services, Inc. / Dean Carter Group, Inc. Alice Castonguay – Fire Tech and Safety, Inc.

Revision Log:

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