

Agreement State (AGR)

Event # 52529

<b>Rep Org:</b> ILLINOIS EMERGENCY MGMT. AGENCY	<b>Notification Date / Time:</b> 02/03/2017 11:51 (EST)
<b>Licensee:</b> ENVIRONMENTAL DESIGN INTERNATIONAL	<b>Event Date / Time:</b> 01/29/2017 (CST)
	<b>Last Modification:</b> 02/03/2017
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> CHICAGO	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> GL 9223295
<b>State:</b> IL	
<b>NRC Notified by:</b> DAREN PERRERO	<b>Notifications:</b> ERIC DUNCAN R3DO
<b>HQ Ops Officer:</b> MARK ABRAMOVITZ	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

## AGREEMENT STATE REPORT - STOLEN X-RAY FLUORESCENT ANALYZER

"On Sunday evening January 29, 2017 an instrument case containing a portable lead in paint analyzer belonging to an Environmental Design International, Inc. employee was stolen from a vehicle. The general licensee reported the event the following day to the Agency but had already been in contact with the Chicago Police Department who were investigating. The theft took place in the Near West Side neighborhood of Chicago while the locked case was in the trunk of a vehicle. This device can only be operated with a password. The maximum surface radiation level from the device as reported by the manufacturer does not exceed 0.1 millir/h. It contains an IAEA Category 5 level source, the lowest risk category assigned by the IAEA in that no one could be permanently injured by this source and if the radioactive material could be dispersed, would not permanently injure anyone."

Manufacturer: Niton  
 Model: XLP-300  
 Serial Number: 84640  
 Source Manufacturer: Eckert & Ziegler  
 Source Activity: 25 mCi Cd-109  
 Source Model: XFB-3  
 Source Serial Number: TR3631

Illinois Event: IL17003

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause

permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 52610

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 03/13/2017 18:09 (EDT)
<b>Licensee:</b> AESCO TECHNOLOGIES, INC.	<b>Event Date / Time:</b> 03/12/2017 (PDT)
	<b>Last Modification:</b> 03/13/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> HUNTINGTON BEACH	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 7197-30
<b>State:</b> CA	
<b>NRC Notified by:</b> KATHLEEN HARKNESS	<b>Notifications:</b> NEIL OKEEFE R4DO
<b>HQ Ops Officer:</b> HOWIE CROUCH	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	CNSNS (MEXICO) FAX
<b>10 CFR Section:</b>	ILTAB EMAIL
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - STOLEN TROXLER MOISTURE DENSITY GAUGE

The following information was obtained from the state of California via email:

"A Troxler model 3440, serial number 69286 moisture density gauge was stolen from a gauge user's locked vehicle during the night of March 11, 2017. The vehicle was parked at his residence overnight (in Northridge, CA and with permission from the RSO) due to an early morning job on March 12, 2017. This Troxler model contains an 8 mCi Cs-137 sealed source and a 40 mCi Am-241:Be sealed source.

"The Troxler's Cs-137 source rod was locked into SAFE mode with a padlock and the transport case had two locked padlocks. One chain with two locks secured the transport case to the crew cab seat, within the locked truck. Los Angeles Police Dept. [LAPD] responded and found the truck's window had been broken. The police took fingerprints from the vehicle and filed a report. In addition, LAPD advised AESCO to place a Craigs List ad under Lost and Found offering a reward for the return of the stolen gauge."

California report number: 5010-031217

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although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.jaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.jaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 52622

<b>Rep Org:</b> TEXAS DEPT OF STATE HEALTH SERVICES		<b>Notification Date / Time:</b> 03/18/2017 13:54 (EDT)	
<b>Licensee:</b> RANGER EXCAVATING LP		<b>Event Date / Time:</b> 03/18/2017 06:15 (CDT)	
<b>Last Modification:</b> 03/18/2017			
<b>Region:</b> 4	<b>Docket #:</b>		
<b>City:</b> AUSTIN	<b>Agreement State:</b> Yes		
<b>County:</b>	<b>License #:</b> 06314		
<b>State:</b> TX			
<b>NRC Notified by:</b> CHRIS MOORE	<b>Notifications:</b> NEIL OKEEFE	R4DO	
<b>HQ Ops Officer:</b> BETHANY CECERE	DESIREE DAVIS	ILTAB	
<b>Emergency Class:</b> NON EMERGENCY	NMSS_EVENTS_NOTIFICATI	EMAIL	
<b>10 CFR Section:</b>	CNSNS (MEXICO)	EMAIL	
AGREEMENT STATE			
<p>This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9</p>			

**AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE**

The following was received from the state of Texas via email:

"On March 18, 2017, the Agency [Texas Department of State Health Services] was notified by the licensee that a Troxler model 3440 moisture density gauge, serial #64732, containing a 1.48 GBq (40 mCi) Am-Be source and a 0.3 GBq (8 mCi) Cs-137 source was stolen. The licensee stated a technician improperly took the gauge home and left it in the back of his pickup truck. The sources were locked and inside their case. The case was secured by two locking mechanisms, both were cut sometime during the night before 0615 [CDT]. Local law enforcement was notified. Additional information will be provided as it is received in accordance with SA-300."

Texas Incident #: 19472

**THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL**

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Agreement State (AGR)

Event # 52644

<b>Rep Org:</b> TEXAS DEPT OF STATE HEALTH SERVICES	<b>Notification Date / Time:</b> 03/28/2017 08:57 (EDT)
<b>Licensee:</b> FUGRO CONSULTANTS	<b>Event Date / Time:</b> 03/28/2017 07:00 (CDT)
	<b>Last Modification:</b> 03/28/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> FORT WORTH	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> L-05843
<b>State:</b> TX	
<b>NRC Notified by:</b> ART TUCKER	<b>Notifications:</b> THOMAS HIPSCHEMAN R4DO
<b>HQ Ops Officer:</b> JEFF ROTTON	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	CNSNS (MEXICO) EMAIL
<b>10 CFR Section:</b>	ILTAB EMAIL
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

#### AGREEMENT STATE REPORT - STOLEN TROXLER MOISTURE DENSITY GAUGE

The following information was provided by the State of Texas via email:

"On March 28, 2017, the Agency [Department of State Health Services] was notified by the licensee that a Troxler Model 3411 moisture/density gauge was stolen from one of its trucks. The gauge contains a 40 milliCurie americium-241 source and an eight milliCurie cesium-137 source. The gauge had been used at a job site the day before by a technician and taken to their home [located in Fort Worth] for the night, stored (locked) in the bed of the truck. Since the operating rod for the cesium source was locked in the shielded position and the case was also locked, the licensee does not believe a member of the general public would receive any significant exposure. The radiation safety officer stated he would provide additional information to the Agency as soon as he completed his interview with the technician. Additional information will be provided as it is received in accordance with SA-300."

TX Incident #: I-9475

\*\*\* UPDATE PROVIDED BY ART TUCKER TO JEFF ROTTON AT 1029 EDT ON 03/28/2017 \*\*\*

The following information was provided by the State of Texas via email:

The stolen moisture density gauge was actually a Troxler 3430 versus a Troxler 3411 as described in the above paragraph.

Notified R4DO (Hipschman), NMSS Events Notification group, ILTAB, and Mexico via email.

**THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL**

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Agreement State (AGR)

Event # 52656

<b>Rep Org:</b> OR DEPT OF HEALTH RAD PROTECTION	<b>Notification Date / Time:</b> 04/02/2017 10:36 (EDT)
<b>Licensee:</b> JRT CONSTRUCTION COMPANY	<b>Event Date / Time:</b> 04/02/2017 (PDT)
	<b>Last Modification:</b> 04/02/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> MERLIN	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 91180
<b>State:</b> OR	
<b>NRC Notified by:</b> TODD CARPENTER	<b>Notifications:</b> THOMAS HIPSCHEMAN R4DO
<b>HQ Ops Officer:</b> HOWIE CROUCH	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB EMAIL
<b>10 CFR Section:</b> AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

OREGON AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

An Oregon state licensee reported that a Campbell Pacific moisture density gauge model CPN-MC3 (serial number MC380304170) was stolen from a jobsite in Merlin, OR sometime late last night or early this morning. The licensee reported that the gauge was properly secured in a temporary storage building when the building was burglarized. The gauge and other equipment were stolen during the burglary. The licensee has contacted the local police department.

The gauge contains 10 mCi of Cs-137 and 10 mCi of Am-241/Be.

The state of Oregon will be contacting state and county officials to request public notification about the stolen gauge.

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Agreement State (AGR)

Event # 52694

<b>Rep Org:</b> ARKANSAS DEPARTMENT OF HEALTH	<b>Notification Date / Time:</b> 04/19/2017 11:31 (EDT)
<b>Licensee:</b> CONSTRUCTION MATERIALS TESTING SERVI	<b>Event Date / Time:</b> 04/18/2017 12:10 (CDT)
<b>Last Modification:</b> 04/21/2017	
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> HOT SPRINGS	<b>Agreement State:</b> Yes
<b>County:</b> GARLAND	<b>License #:</b> ARK-0750-03121
<b>State:</b> AR	
<b>NRC Notified by:</b> DAVID STEPHENS	<b>Notifications:</b> RAY AZUA R4DO
<b>HQ Ops Officer:</b> DONG HWA PARK	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB EMAIL
<b>10 CFR Section:</b> AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

#### AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

The following information was provided by the State of Arkansas via email:

"On April 18, 2017, at 1210 [CDT], the licensee contacted the Department [Arkansas Department of Health] reporting that a moisture density gauge was missing from the permanent storage facility in Hot Springs, Arkansas and presumed stolen. In addition to the Department, the licensee had notified local law enforcement offices.

"The licensee believes that the gauge was taken between Friday, April 14, 2017 and Tuesday morning, April 18, 2017. The licensee believes that the gauge may be in possession of a former employee.

"The gauge is a Troxler, Model 3440, Serial Number 15160, containing 40 milliCuries of Americium-241 and 8 milliCuries of Cesium-137.

"In accordance with RH-1501.c.1.A. (10 CFR 20.2201(a)(1)(i)) the stolen gauge is immediately reportable.

"Law Enforcement is investigating.

"The State of Arkansas is awaiting the outcome of the law enforcement investigation and a written report from the licensee. The State's event number is AR-2017-001."

\*\*\* UPDATE FROM DAVID STEPHENS TO DONALD NORWOOD AT 1338 EDT ON 4/20/2017 \*\*\*

The following information was received via E-mail:

"The Arkansas Department of Health Radiation Control Section received notification that the Troxler Electronic Laboratories Gauge (Model 3440, Serial Number 15160) reported stolen on April 19, 2017, was recovered in Hot Springs Village by the Garland County Sheriff's office. The gauge does not appear to be damaged, and has been transported to the licensee's permanent storage location. A leak test has been performed by the licensee. The Department considers the matter closed pending receipt of the licensee's report and leak test results."

Notified R4DO (Azua), ILTAB (Salisbury), and NMSS Events Notification Group.

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Agreement State (AGR)

Event # 52735

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 05/05/2017 16:02 (EDT)
<b>Licensee:</b> S-2 ENGINEERING, INC.	<b>Event Date / Time:</b> 05/01/2017 (PDT)
	<b>Last Modification:</b> 05/05/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> RANCHO CUCAMONGA	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 7192-36
<b>State:</b> CA	
<b>NRC Notified by:</b> DONALD OESTERLE	<b>Notifications:</b> MARK HAIRE R4DO
<b>HQ Ops Officer:</b> STEVE SANDIN	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	GREGORY AHERN ILTAB
<b>10 CFR Section:</b>	CNSNS (MEXICO) FAX
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - THEFT OF TROXLER MOISTURE DENSITY GAUGE

The following information was provided by the State of California:

"S-2 Engineering reported the loss of a Troxler 3411-B # [S/N] 12398 moisture density gauge that had been in storage at a job site in Barstow, CA. This device contains 0.296 GBq (8 mCi) of Cs-137 and 1.48 GBq (40 mCi) of Am-241.

"The licensee was conducting a physical inventory of their devices containing radioactive material and found this one to be missing from the locked storage box.

"The licensee checked with all of their authorized gauge users to determine if the device was in use but not checked out properly before reporting it as lost. The last documented use of the density gauge was Sept. 22, 2016.

"This investigation is ongoing."

The licensee notified their Local Law Enforcement Agency (LLEA) of the theft.

CA 5010 Number: 050417

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

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Agreement State (AGR)

Event # 52831

<b>Rep Org:</b> MARYLAND DEPT OF THE ENVIRONMENT	<b>Notification Date / Time:</b> 06/28/2017 09:49 (EDT)
<b>Licensee:</b> MARYLAND STATE HIGHWAY ADMINISTRATIO	<b>Event Date / Time:</b> 06/28/2017 07:15 (EDT)
<b>Last Modification:</b> 07/05/2017	
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> HANOVER	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> MD-03-114-01
<b>State:</b> MD	
<b>NRC Notified by:</b> ALAN JACOBSON	<b>Notifications:</b> RAY POWELL R1DO
<b>HQ Ops Officer:</b> BETHANY CECERE	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	DENNIS ALLSTON ILTAB
<b>10 CFR Section:</b>	BERNARD STAPLETON IRD
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

The following is excerpted from an email from the Maryland Department of the Environment:

On 06/28/2017 at 7:15 EDT, the State project engineer (PE) reported that his project trailer had been broken into and a portable nuclear gauge (serial number 062051) was stolen. The equipment was kept stored, with a lock on the outside of the trailer and then locked inside the trailer. The gauge was stored locked in its carrying case.

The gauge model number is Troxler 3440. The gauge contains an 8 mCi Cs-137 source and 40 mCi Am-241/Be source.

Prince George's County Police Department was notified.

\*\*\* UPDATE AT 1507 EDT ON 7/5/17 FROM ALAN JACOBSON TO MARK ABRAMOVITZ \*\*\*

The following report was received via e-mail:

"The Maryland Department of the Environment (MDE) has reported that the portable nuclear gauge stolen on June 28, 2017, from a Maryland Department of Transportation, State Highway Administration (SHA) Project has been recovered. The gauge was apparently found abandoned on a residential property in District Heights, Maryland and recovered by Prince Georges County Police on July 4, 2017 with assistance from the Prince Georges County Fire/EMS Department's HAZMAT Division. The gauge was not damaged. Inspectors from the MDE's Air and Radiation Administration inspected the gauge, confirmed the device was not damaged and it was returned to the SHA Radiation Safety Officer on July 5, 2017."

Notified the R1DO (Ferdas), ILTAB (Tucker), IRD (Grant), and NMSS Resources (via e-mail).

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

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Agreement State (AGR)

Event # 52893

<b>Rep Org:</b> MARYLAND DEPT OF THE ENVIRONMENT	<b>Notification Date / Time:</b> 08/09/2017 15:27 (EDT)
<b>Licensee:</b> HILLIS-CARNES	<b>Event Date / Time:</b> 08/08/2017 (EDT)
	<b>Last Modification:</b> 08/09/2017
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> ANNAPOLIS JUNCTION	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> MD-03-054-01
<b>State:</b> MD	
<b>NRC Notified by:</b> CHARLES COX	<b>Notifications:</b> BRICE BICKETT R1DO
<b>HQ Ops Officer:</b> DONG HWA PARK	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - STOLEN AND RECOVERED MOISTURE DENSITY GAUGE

The following was received from the Maryland Department of the Environment via email:

"On August 8, 2017, Hillis-Carnes, Maryland Licensee MD-03-054-01, notified the Maryland Radiological Health Program (RHP) that a field technician had his van carjacked at the Key's Point temporary job site. His Troxler moisture density gauge model 3430 (serial number 31733) was still in the van and locked. The licensee notified Baltimore police.

"On August 9, 2017, the Maryland Department of the Environment Emergency Response Division was notified by the Baltimore police that the van and the Troxler gauge were recovered at O'Donnell Heights the evening of August 8. An RHP inspector went to the site and took possession of the gauge and is notifying the licensee so they can retrieve it.

"Troxler 3430 has a Cesium 137 sealed source less than 9 milliCuries and a 44 milliCurie AmBe source. No indication of any damage."

#### THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

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close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Non-Agreement State

Event # 52941

<b>Rep Org:</b> MICHIGAN DEPARTMENT OF CORRECTIONS		<b>Notification Date / Time:</b> 08/31/2017 12:40 (EDT)	
<b>Licensee:</b> MICHIGAN DEPARTMENT OF CORRECTIONS		<b>Event Date / Time:</b> 08/18/2017 14:00 (EDT)	
<b>Last Modification:</b> 08/31/2017			
<b>Region:</b> 3	<b>Docket #:</b>		
<b>City:</b> MARQUETTE	<b>Agreement State:</b>		No
<b>County:</b>	<b>License #:</b> GL		
<b>State:</b> MI			
<b>NRC Notified by:</b> GENE WOOD		<b>Notifications:</b> ANN MARIE STONE R3DO	
<b>HQ Ops Officer:</b> DONALD NORWOOD		NMSS_EVENTS_NOTIFICATI EMAIL	
<b>Emergency Class:</b> NON EMERGENCY			
<b>10 CFR Section:</b>			
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X			
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9			

**STOLEN THEN IMPROPERLY DISPOSED OF TRITIUM EXIT SIGNS**

A trustee prisoner was found to have removed 10 tritium 'bulbs' from 10 tritium exit signs at Marquette Branch Prison. The trustee prisoner was using the tritium bulbs as night lights. Eight of the 10 tritium bulbs were recovered. The trustee prisoner admitted to having broken two of the tritium bulbs and then flushed them down a toilet. The activity level of the tritium bulbs is unknown at this time.

The recovered eight tritium bulbs are currently in secure storage. These tritium bulbs will be disposed of by an approved/licensed contractor. The trustee prisoner has been removed from trustee status.

**THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL**

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 52978

<b>Rep Org:</b> FLORIDA BUREAU OF RADIATION CONTROL	<b>Notification Date / Time:</b> 09/19/2017 16:54 (EDT)
<b>Licensee:</b> GFA INTERNATIONAL INC.	<b>Event Date / Time:</b> 09/19/2017 (EDT)
	<b>Last Modification:</b> 09/20/2017
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> FT. MYERS	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 3021-2
<b>State:</b> FL	
<b>NRC Notified by:</b> TIM DUNN	<b>Notifications:</b> SILAS KENNEDY R1DO
<b>HQ Ops Officer:</b> DAN LIVERMORE	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

#### AGREEMENT STATE REPORT - STOLEN TROXLER GAUGE

The following information was received from the State of Florida via email:

"[The State of Florida Bureau of Radiation Control] received a call from [the licensee] RSO to report a stolen Troxler gauge. An employee from GFA International had the gauge stolen from the back of his truck while at a convenience store. Awaiting the police report for more information."

The stolen gauge is a Troxler Moisture Density Model 3430, S/N 29415, containing two sources; 8 mCi Cs-137 and 40 mCi Am241/Be.

\*\*\* UPDATE ON 9/20/17 AT 1215 EDT FROM TIM DUNN TO DONG PARK \*\*\*

The following information was received from the State of Florida via email:

"[The State of Florida Bureau of Radiation Control] received a call from [the licensee RSO] to report that the gauge has been found. A contractor onsite found the gauge on 9/19 and secured it until [the licensee RSO] could be located and took possession of the gauge on 9/20. The case has a small crack, but all radiation readings are normal."

Incident Number: FL17-256

Notified R1DO (Kennedy) and NMSS Events Notification via email.

**THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL**

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53006

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 10/09/2017 19:48 (EDT)
<b>Licensee:</b> MILLENNIUM CONSULTING ASSOCIATES	<b>Event Date / Time:</b> 10/08/2017 14:17 (PDT)
	<b>Last Modification:</b> 10/09/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> OAKLAND	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> N/A
<b>State:</b> CA	
<b>NRC Notified by:</b> EPHRIME MEKURIA	<b>Notifications:</b> RAY KELLAR R4DO
<b>HQ Ops Officer:</b> MARK ABRAMOVITZ	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

#### AGREEMENT STATE REPORT - STOLEN Cd-109 SOURCE

The following report was received via e-mail:

"California OES [Office of Emergency Services] notified RHB [Radiation Health Branch] Sacramento of the following hazardous material spill report on October 8, 2017:

"On October 8, 2017, at 1417 [PDT], XRF equipment user, from Millennium Consulting Associates, notified Cal OES that the Niton XRF equipment, Model XLp303, S/N 21870, he uses was stolen from his vehicle that was parked in front of his residence in Alameda, CA. The theft was noticed by the licensee on Sunday October 08, 2017 about 1145.

"The Niton XLp300 contains a licensed material Cd-109, 40 mCi as of 08/28/16. [The licensee] reported this incident to the Alameda Police on October 8, 2017 at 14:45, the Case # is 17-5776."

California Report Number: 5010-100817

A Niton XLp300 is used to analyze lead content.

#### THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category

4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53013

<b>Rep Org:</b> MISSISSIPPI DIV OF RAD HEALTH	<b>Notification Date / Time:</b> 10/13/2017 15:38 (EDT)
<b>Licensee:</b> SOUTHERN RECYCLING	<b>Event Date / Time:</b> 09/08/2017 (CDT)
	<b>Last Modification:</b> 12/19/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> WALLS	<b>Agreement State:</b> Yes
<b>County:</b> DESOTO	<b>License #:</b> GL-397
<b>State:</b> MS	
<b>NRC Notified by:</b> BENJAMIN CULPEPPER	<b>Notifications:</b> THOMAS HIPSCHEMAN R4DO
<b>HQ Ops Officer:</b> RICHARD SMITH	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

#### AGREEMENT STATE REPORT - LOSS OR THEFT OF LICENSED NUCLEAR MATERIAL

The following was reported from the State of Mississippi:

**Description of Incident:** Licensee reported that their Niton gun was discovered to be misplaced or stolen on September 8, 2017. A letter was received by Mississippi State Department of Health: Division of Radiological Health (DRH) from the licensee on October 13, 2017 briefly detailing that their equipment had been lost or stolen.

DRH intends to issue a violation letter to Southern Recycling due to the late notification. Also, due to lacking information, DRH cannot confirm if the device reported to have been stolen/lost contains radioactive material.

DRH has attempted to contact the Licensee a number of times to acquire more information; however, there has been no response. DRH will continue contacting the licensee for more information and will update this report once complete.

**Isotope(s):** Cd-109 (potentially lost source not confirmed), with an activity of 10 mCi.

The DRH Health Physicist stated that this would give a reading of approximately 20 mRem at one foot if unshielded.

Mississippi has assigned an incident number of MS17006.

\*\*\* UPDATE AT 1055 EDT ON 10/31/17 FROM H. BENJAMIN CULPEPPER TO S. SANDIN VIA EMAIL \*\*\*

Agreement State (AGR)

Event # 53016

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 10/16/2017 08:36 (EDT)
<b>Licensee:</b> ROKE TECHNOLOGIES	<b>Event Date / Time:</b> 10/15/2017 17:00 (PDT)
	<b>Last Modification:</b> 10/16/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> REDLANDS	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 7897
<b>State:</b> CA	
<b>NRC Notified by:</b> ROBERT GREGER	<b>Notifications:</b> MICHAEL VASQUEZ R4DO
<b>HQ Ops Officer:</b> VINCE KLCO	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	CNSNS (MEXICO) EMAIL
<b>10 CFR Section:</b>	ILTAB EMAIL
AGREEMENT STATE	
This material event contains a "Category 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - STOLEN WELL LOGGING SOURCES

The following information was received from the State of California:

"The Licensee discovered at approximately [1700 PDT] on 10/15/17 that two 3 Ci Am-241Be well logging sources had been stolen from their storage area at Weller Ranch in Kern County. Locks had been cut and the sources were removed from the approximate 12-foot storage pipe. Additionally, an approximate 2500 [pound] calibration water tank was also missing.

"The FBI was notified by CA Radiologic Health Branch [RHB] at approximately [2030 PDT] on 10/15/17.

"RHB will be onsite 10/16/17."

California 5010 Number: 101517

\*\*\* UPDATE FROM ROBERT GREGER TO DONALD NORWOOD AT 1511 EDT ON 10/16/2017 \*\*\*

"The two well logging sources have been accounted for. An unauthorized individual had accessed the sources, removing them from their storage location on his father's ranch land and discarding them a short distance away without any knowledge of what they were. The unauthorized individual also took the water calibration tank for his personal use.

"The well logging sources are back in the possession of the licensee."

Notified R4DO (Vasquez) , NMSS Events Notification, CNSNS (MEXICO) and ILTAB via email.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 3" LEVEL OF RADIOACTIVE MATERIAL

Category 3 sources, if not safely managed or securely protected, could cause permanent injury to a person who handled them, or were otherwise in contact with them, for some hours. It could possibly - although it is unlikely - be fatal to be close to this amount of unshielded radioactive material for a period of days to weeks. These sources are typically used in practices such as fixed industrial gauges involving high activity sources (for example: level gauges, dredger gauges, conveyor gauges and spinning pipe gauges) and well logging. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53027

<b>Rep Org:</b> SC DIV OF HEALTH & ENV CONTROL	<b>Notification Date / Time:</b> 10/20/2017 14:42 (EDT)
<b>Licensee:</b> GEO METRICS	<b>Event Date / Time:</b> 10/20/2017 13:37 (EDT)
	<b>Last Modification:</b> 10/23/2017
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> CONWAY	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 553
<b>State:</b> SC	
<b>NRC Notified by:</b> ANDREW ROXBURGH	<b>Notifications:</b> ANNE DeFRANCISCO R1DO
<b>HQ Ops Officer:</b> DONG HWA PARK	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB EMAIL
<b>10 CFR Section:</b> AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

#### AGREEMENT STATE REPORT - STOLEN GAUGE

The licensee notified the South Carolina Department of Health and Environmental Control that an Instrotek Model 3500 moisture density gauge serial number 3055 was stolen from the licensee's truck during a lunch break. The gauge contained 11 mCi of Cs-137 and 44 mCi of Am-241:Be. LLEA was notified of the incident.

\*\*\* UPDATE AT 0948 EDT ON 10/23/2017 FROM ANDREW M. ROXBURGH TO JEFF HERRERA \*\*\*

The following update was received from the South Carolina Department of Health and Environmental Control via email:

"The licensee notified the Department [South Carolina Department of Health and Environmental Control] at approximately 1330 [EDT] on October 20, 2017 that one of its gauges had been stolen from the back of one of its trucks while on a lunch in Myrtle Beach, SC. The gauge is an Instrotek Model 3500 moisture density gauge serial number 3055. The gauge contained 11 mCi of Cs-137 and 44 Ci of Am-241:Be. The licensee is in the process of getting a copy of the police report to submit to the Department."

Notified the R1DO (Bickett), ILTAB and NMSS\_Events (via email).

#### THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category

**11/23/2018**

**U.S. Nuclear Regulatory Commission Operations Center Event Report**

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4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53062

<b>Rep Org:</b> OHIO BUREAU OF RADIATION PROTECTION	<b>Notification Date / Time:</b> 11/08/2017 15:06 (EST)
<b>Licensee:</b> NOT SPECIFIED	<b>Event Date / Time:</b> 09/02/2017 (EST)
	<b>Last Modification:</b> 11/29/2017
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> AKRON	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> GENERAL LICENSE
<b>State:</b> OH	
<b>NRC Notified by:</b> STEPHEN JAMES	<b>Notifications:</b> HIRONORI PETERSON R3DO
<b>HQ Ops Officer:</b> VINCE KLCO	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	CNSC (CANADA) EMAIL
<b>10 CFR Section:</b>	ILTAB EMAIL
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9.	

## AGREEMENT STATE REPORT - MATERIAL STOLEN AND NOT RECOVERED

The following information was received from the State of Ohio via email:

"A local Health District employee had a Niton Xlp 300 XRF with a 50 mCi Cadmium-109 source stolen overnight on Saturday, September 2, 2017. It was in the car in their garage and someone came in and took it. The employee had worked late at a job site that day and brought the gauge home instead of returning to the office. Employee's garage door did not close for some reason that night and they were unaware that it was open when they went to bed. There were several other cars broken into that night in employee's neighborhood. A report was filed with local police department. Device has not yet been recovered."

Source/Radioactive Material: Sealed Source; Radionuclide: Cd-109; Activity: 50mCi; Device Name: X-RAY Fluorescence (XRF); Model Number: Niton XLP 300; Manufacturer: Thermo Scientific Analytical; Serial Number: 98149.

Ohio Item Number: OH170007

\*\*\* UPDATE AT 0919 ON 11/29/17 FROM STEPHEN JAMES TO MARK ABRAMOVITZ \*\*\*

The following report was received via e-mail:

"Note: According to device owner, the manufacturer told them that this incident was NOT reportable to their regulatory agency. The owner reported the event on 11/6/17 as a result of more research on their part."

11/23/2018

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"UPDATE: The gauge was found by a member of the public in their yard, where it had apparently been abandoned. The local health district was notified based on contact information on case. The case was still locked when found. The device is now back in the possession of the local health district as of 11/27/17."

Notified the R3DO (Duncan), NMSS Events Resources and CNSC (via e-mail).

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53066

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 11/10/2017 20:06 (EST)
<b>Licensee:</b> PURCELL, RHODES, & ASSOCIATES	<b>Event Date / Time:</b> 11/10/2017 (PST)
	<b>Last Modification:</b> 11/10/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> PLEASANT HILL	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 2898-07
<b>State:</b> CA	
<b>NRC Notified by:</b> NIKA HEWADIKARAM	<b>Notifications:</b> JEREMY GROOM R4DO
<b>HQ Ops Officer:</b> MARK ABRAMOVITZ	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	CNSNS (MEXICO) FAX
<b>10 CFR Section:</b>	ILTAB EMAIL
AGREEMENT STATE	
This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9	

AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

The following report was received via e-mail:

"On 11/10/19, California Office of Emergency Services (OES) contacted RHB [Radiologic Health Branch] to report a stolen moisture density gauge. This gauge is a CPN Model MC-3, S/N M311000525 containing 10 mCi of Cs-137 and 50 mCi of Am-241. The gauge was stolen while momentarily unattended in the licensee's facility parking lot. The lot has video surveillance and the footage is being reviewed by the RSO for information. Immediately after the incident, a report was filed with the Concord Police Department. RHB will be following up on this investigation."

California report: 111017

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53078

<b>Rep Org:</b> CALIFORNIA RADIATION CONTROL PRGM	<b>Notification Date / Time:</b> 11/18/2017 01:06 (EST)
<b>Licensee:</b> SIGNET TESTING LABORATORY	<b>Event Date / Time:</b> 11/17/2017 00:00 (PST)
	<b>Last Modification:</b> 11/18/2017
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> HAYWARD	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> 2943-01
<b>State:</b> CA	
<b>NRC Notified by:</b> K. ARUNIKA HEWADIKAR	<b>Notifications:</b> JASON KOZAL R4DO
<b>HQ Ops Officer:</b> STEVE SANDIN	NMSS_EVENTS_NOTIFICATI EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB EMAIL
<b>10 CFR Section:</b>	CNSNS (MEXICO) EMAIL
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

The following information was received from the State of California via email:

"On 11/17/17, the RSO [Radiation Safety Officer] contacted RHB [CA Radiologic Health Branch] to report a stolen moisture density gauge. The stolen gauge is a CPN Model MC-1DR, S/N MD90209216, containing 10 mCi of Cs-137 and 50 mCi of Am-241. The user had taken the gauge home and left it secured in the back of his truck. The truck was parked at his residence . . . According to the user, most likely between midnight and 5 AM of 11/17/17, the chain locking the gauge to the truck bed was removed and the case was dragged behind a building where the locks on the box were broken and the gauge was removed. The box was recovered without the gauge. [The] RSO had notified San Jose Police Department of this incident (Event # P173210429). RHB will be following up on this investigation.

"5010 NUMBER (Date Notified): 111717"

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53079

<b>Rep Org:</b> ILLINOIS EMERGENCY MGMT. AGENCY	<b>Notification Date / Time:</b> 11/20/2017 10:31 (EST)
<b>Licensee:</b> GSG MATERIAL TESTING INC.	<b>Event Date / Time:</b> 11/19/2017 00:00 (CST)
	<b>Last Modification:</b> 11/20/2017
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> Chicago	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b> IL-02340-01
<b>State:</b> IL	
<b>NRC Notified by:</b> GIBB VINSON	<b>Notifications:</b> LAURA KOZAK R3DO
<b>HQ Ops Officer:</b> ANDREW WAUGH	NMSS_EVENTS_NOTIFICATION EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB EMAIL
<b>10 CFR Section:</b>	
AGREEMENT STATE	

This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN MOISTURE DENSITY GAUGE

The following information was received from the State of Illinois via email:

"The Agency [Illinois Emergency Management Agency] was notified on 11/19/17 by the licensee's RSO [Radiation Safety Officer] that a grey Dodge Caravan containing a Troxler Model 3430 gauge [serial number 33605] containing 9 mCi Cs-137 and 44 mCi Am241/Be had been stolen from a technician's residence sometime during the night/early morning. The licensee believes it is a random theft of the vehicle and the equipment inside. A police report has been filed and the investigation is ongoing.

"Item Number: IL170001"

THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53094

<b>Rep Org:</b> OHIO BUREAU OF RADIATION PROTECTION		<b>Notification Date / Time:</b> 11/27/2017 15:26 (EST)
<b>Licensee:</b> ALT & WITZIG ENGINEERING, INC.		<b>Event Date / Time:</b> 11/24/2017 (EST)
<b>Last Modification:</b> 11/29/2017		
<b>Region:</b> 3	<b>Docket #:</b>	
<b>City:</b> WEST CHESTER	<b>Agreement State:</b> Yes	
<b>County:</b>	<b>License #:</b> 31210990003	
<b>State:</b> OH		
<b>NRC Notified by:</b> MICHAEL SNEE	<b>Notifications:</b> ERIC DUNCAN	R3DO
<b>HQ Ops Officer:</b> STEVEN VITTO	NMSS_EVENTS_NOTIFICATI	EMAIL
<b>Emergency Class:</b> NON EMERGENCY	ILTAB	EMAIL
<b>10 CFR Section:</b>	CNSC (CANADA)	EMAIL
AGREEMENT STATE		
<p>This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1:9</p>		

#### AGREEMENT STATE EVENT REPORT - STOLEN PORTABLE GAUGE

The following was received from the State of Ohio via email:

"The licensee's technician performed work using the gauge at a job site in Blue Ash, Ohio on 11/24/17. After leaving the job site, the technician stopped at several locations [before] arriving home. The gauge was discovered missing on 11/27/17 when the technician arrived at the licensee's facility. The storage container for the gauge was not broken into indicating that it had not been locked. A report was filed with the Cincinnati Police Department.

"Device Name: PORTABLE GAUGE  
 Manufacturer: CAMPBELL PACIFIC NUC  
 Model Number: MC-1  
 Serial Number: 70603768  
 Activity: Cs-137:10mCi and Am-Be: 50mCi"

Ohio Reference Number: OH 2017-070

\*\*\* UPDATE AT 0919 EST ON 11/29/2017 FROM STEPHEN JAMES TO MARK ABRAMOVITZ \*\*\*

The following report was received via e-mail:

"On 11/28/17 ODH [Ohio Department of Health] inspectors visited each of the locations the technician visited after leaving the job site on 11/24/17. The inspectors searched in dumpsters, other containers, and around the buildings to try to locate the device. They also took radiation surveys in each of the areas. The surveys indicated no

increased radiation levels and the gauge was not found by the ODH inspectors. This incident remains open."

Ohio Report: OH170010

Notified the R3DO (Duncan) and NMSS Events Resource (via e-mail).

**THIS MATERIAL EVENT CONTAINS A "LESS THAN CAT 3" LEVEL OF RADIOACTIVE MATERIAL**

Sources that are "Less than IAEA Category 3 sources," are either sources that are very unlikely to cause permanent injury to individuals or contain a very small amount of radioactive material that would not cause any permanent injury. Some of these sources, such as moisture density gauges or thickness gauges that are Category 4, the amount of unshielded radioactive material, if not safely managed or securely protected, could possibly - although it is unlikely - temporarily injure someone who handled it or were otherwise in contact with it, or who were close to it for a period of many weeks. For additional information go to [http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf)

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Agreement State (AGR)

Event # 53129

<b>Rep Org:</b> FLORIDA BUREAU OF RADIATION CONTROL		<b>Notification Date / Time:</b> 12/19/2017 18:28 (EST)	
<b>Licensee:</b> REYNOLDS, SMITH AND HILLS CS, INC.		<b>Event Date / Time:</b> 11/14/2017 (EST)	
<b>Last Modification:</b> 12/19/2017			
<b>Region:</b> 1	<b>Docket #:</b>		
<b>City:</b> ORLANDO	<b>Agreement State:</b> Yes		
<b>County:</b>	<b>License #:</b> 2732-2		
<b>State:</b> FL			
<b>NRC Notified by:</b> TIM DUNN	<b>Notifications:</b> DONNA JANDA	R1DO	
<b>HQ Ops Officer:</b> VINCE KLCO	NMSS_EVENTS_NOTIFICATI	EMAIL	
<b>Emergency Class:</b> NON EMERGENCY	ILTAB	EMAIL	
<b>10 CFR Section:</b>	AGREEMENT STATE		
<p>This material event contains a "Less than Cat 3" level of radioactive material as defined in IAEA RS-G-1.9</p>			

#### AGREEMENT STATE REPORT - STOLEN AND RETRIEVED TROXLER GAUGE

The following information was excerpted from an email received from the State of Florida:

The State of Florida received a notice on 11/15/17 that a Troxler Gauge and a company vehicle was stolen from the licensee by an employee. A City of Orlando Police report was issued (2017-442672). On 12/7/2017, a notice was received from the licensee to inform State of Florida Bureau of Radiation Control that the gauge was found intact and undamaged.

The Troxler moisture density gauge is a model number 3440; serial number 27931; Cs-137/AmBe; 8mCi/40mCi.

Florida Incident Number: FL17-298.

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