GROUP A

General Information (AGR) Event # 42103

Rep Org: OK DEQ RAD MANAGEMENT		**Notification Date / Time:** 10/31/2005 17:34 (EST)	
Licensee: IRIS NDT		**Event Date / Time:** 10/31/2005 01:00 (CST)	
		Last Modification: 11/02/2005	
Region: 4	**Docket #:**		
City: TULSA	**Agreement State:** Yes		
County:	**License #:** OK30246-02		
State: OK			
NRC Notified by: MIKE BRODERICK	**Notifications:**	THOMAS FARNHOLTZ	R4
HQ Ops Officer: BILL GOTT		DANIEL GILLEN	NMSS
Emergency Class: NON EMERGENCY		THOMAS BLOUNT	IRD
10 CFR Section:		LANCE ENGLISH	TAS
AGREEMENT STATE		ROBERTA WARREN	TAS
		MELVYN LEACH	IRD
		MIKE INZER	DHS
		THREATT	NRC
		BAGWELL	FEMA
		EDWARDS	HHS

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - MISSING RADIOGRAPHY CAMERA

At 0100 on 10/31/05 the licensee discovered that a SPEC 150 Radiography Camera (camera s/n 204) with a 64 Curie Ir-192 (s/n 217221B) source was stolen from the company's office. The camera was in a locked space. The camera was last used on 10/28/05, and was logged in at 0100 on 10/29/05. A dispatcher saw the camera at 1500 on 10/28/05. At 0100 on 10/31/05, a radiographer went to the space to get the gauge and discovered that it was gone. The Tulsa Police Department was notified.

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

*** UPDATE FROM M. BRODERICK TO J. KNOKE AT 10:20 EDT ON 11/2/05 ***

The Department of Environmental Quality in Oklahoma provided information that the missing radiography camera was recovered at 07:30 CST. Due to local media coverage in the area, a private citizen called the number published by the TV media and volunteered information. The citizen indicated he saw the camera near the freeway entrance of 33 West Avenue and I-44 in West Tulsa, OK. The camera, which was found in a grassy area (weeds) near a privacy fence (wall), was intact with the source in the shielded position. The licensee (IRIS-NDT) has surveyed the site and said the readings were consistent with a source inside a camera. The Tulsa police department is still pursuing the investigation. The licensee offered a reward of $1,000 for information leading to the recovery of the camera.

Notified R4DO (Farnholtz), NMSS (Burgess), TAS (English), IRD (Wilson, Blount, and Leach) DHS (Holtz), NRC (Doherty), FEMA (Liggett), and HHS (Turner).

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General Information (AGR) Event # 42287

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 01/25/2006 17:41	(EST)
Licensee: TEAM COPPERHEAT		**Event Date / Time:** 01/25/2006	(CST)
		Last Modification: 01/30/2006	
Region: 4	**Docket #:**		
City: CORPUS CHRISTI	**Agreement State:** Yes		
County:	**License #:** L0087		
State: TX			
NRC Notified by: ROBERT FREE	**Notifications:**	BLAIR SPITZBERG	R4
HQ Ops Officer: JOHN KNOKE		JOSEPH HOLONICH	NMSS
Emergency Class: NON EMERGENCY		LANCE ENGLISH	TAS
10 CFR Section:		CNSNS MEXICO - 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 - INDUSTRIAL RADIOGRAPHY DEVICE MISSING

The State provided the following information via email:

"A Texas licensee reported on January 25, 2006 that an industrial radiograph crew departed Corpus Christi for Victoria, Texas, and found on arrival that the radiography device they were carrying was not on the transport vehicle. The radiation source, a 21 Curie industrial radiography source, was lost in its shielded container. Company crews are searching for the device and have not located it at this time. DSHS radiation control staff have been dispatched to aid in the search. Local law enforcement are being notified of the loss."

The radionuclide is Ir-192. Texas Incident Report No. I-8292

* * * UPDATE FROM ROBERT FREE TO JOE O'HARA AT 1407 ON 1/30/06 * * *

"Radiography device found by private citizen on 1/25/06 and returned 01/26/06."

Notified the R4DO(Runyon), NMSS EO(Morell), IRD Manager(Wilson), TAS(Perez), and Mexico.

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.

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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General Information (AGR) Event # 42302

Rep Org: LOUISIANA RADIATION PROTECTION DIV		**Notification Date / Time:** 02/02/2006 11:21	(EST)
Licensee: PRECISION ENERGY SERVICES		**Event Date / Time:** 12/02/2005	(CST)
		Last Modification: 02/02/2006	
Region: 4	**Docket #:**		
City: PORT BARRE	**Agreement State:** Yes		
County:	**License #:** LA-4413-L01		
State: LA			
NRC Notified by: MIKE HENRY	**Notifications:** MIKE RUNYAN		R4
HQ Ops Officer: GERRY WAIG	GREG MORELL		NMSS
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGGREEMENT STATE - ABANDONED WELL LOGGING SOURCE

The following information was received from the State of Louisiana, Department of Environmental Quality, via facsimile:

"Precision Energy Services abandoned two sources in Well Logging operations. The logging tool was initially stuck on December 2, 2005 and abandoned on December 7, 2005. A 20 Ci source of Americium-241 (Beryllium) and a 2 Ci source of Cs-137 were abandoned at a depth of 6197 Feet. All abandonment procedures were followed. Deflection devises and cement were filled to a depth of 5902 Feet."

Louisiana Event Report ID Number: LA 050010.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 2 event.

Note: the value assigned by device type "Category 3" is different than the calculated value "Category 2"

General Information (AGR) Event # 42839

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 09/13/2006 12:00 (EST)	
Licensee: BONDED INSPECTIONS, INC.		**Event Date / Time:** 09/13/2006 09:45 (CDT)	
		Last Modification: 09/16/2006	
Region: 4		**Docket #:**	
City: GARLAND		**Agreement State:** Yes	
County:		**License #:** L00693	
State: TX			
NRC Notified by: RAY JISHA		**Notifications:** REBECCA NEASE	R4
HQ Ops Officer: STEVE SANDIN		MICHELLE BURGESS	NMSS
Emergency Class: NON EMERGENCY		PETE WILSON	IRD
10 CFR Section:		AARON DANIS	TAS
AGREEMENT STATE		MEXICO VIA E-MAIL	

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT INVOLVING A STOLEN RADIOGRAPHY CAMERA

The following information was received via email from Texas Department of State Health:

"At approximately 0920hrs on 09/13/06, while parked at a Texaco Station located at the corner of Miller Street and 1935 Jupiter, Garland, TX 75042, a radiography truck belonging to Bonded Inspection, Inc. was stolen. The driver was in the store talking with his supervisor while the keys were reportedly left on the floorboard. This vehicle had a large dark room style camper which contained a 95-100 Ci, Ir-192 source (s/n J254) inside a model Ir 100, INC camera (s/n 4189). The first contact to TX DSHS came [redacted] at 0950 hrs. [Redacted] the situation was also reported to local law enforcement authorities (LLEA), Garland PD. GPD response time was within 10 minutes and all Dallas Fort Worth (DFW) area LLEAs have been notified also. The JTTF coordinator for the DFW area FBI was notified as was the NRC, local DSHS inspectors and the TX State Operations Center. No malicious of suspicious intent is suspected at this time. The truck is described as a white Ford F350 pick-up conspicuously posted with Bonded Inspections, Inc. and it has flames as decals on the front. The TX license number is 5YL T51."

TX Incident No.: I-8362

Notified DHS (Alex Constantopoulos), DOE (Mike Wyatt), EPA (Peter Menk), USDA (Chuck Brown), HHS (Mark McKinnon) and FEMA (Chris Liggett).

* * * UPDATE FROM ILTAB (ENGLISH) TO W. GOTT ON 15 SEPT 06 * * *

"According to the Texas LLEA and the Texas Department of Health, the stolen truck and radiography camera were discovered at a business park in Dallas, TX approximately 3 miles from where they were taken. The source

was found intact in the vehicle, and is in the possession of LLEA while they continue to investigate to find the person(s) responsible for the theft of the vehicle."

Notified R4DO (Johnson), NMSS (Flanders), NRR (Case), DHS (Cassandra), DOE (Carolyn Lawson & Ronnie), EPA (Crews), USDA (Dean Giles), HHS (Smith), FEMA (Irwin Casto) and Mexico (via E-mail).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (AGR) Event # 43110

Rep Org: OK DEQ RAD MANAGEMENT		**Notification Date / Time:** 01/21/2007 19:43 (EST)	
Licensee: MIDWEST INSPECTIONS INDUSTRIAL RADIOG		**Event Date / Time:** 01/21/2007 14:00 (CST)	
		Last Modification: 01/24/2007	
Region: 4	**Docket #:**		
City: MCALESTER	**Agreement State:** Yes		
County:	**License #:**		
State: OK			
NRC Notified by: MIKE BRODERICK	**Notifications:**	VIVIAN CAMPBELL	R4
HQ Ops Officer: JASON KOZAL		SCOTT FLANDERS	NMSS
Emergency Class: NON EMERGENCY		BENJAMIN SANDLER	TAS
10 CFR Section:		JEFFREY CRUZ	IRD
AGREEMENT STATE		BOMER	DHS
		BARDEN	FEMA
		YATES	DOE
		PAULES	EPA
		JIMINEZ	USDA
		MILLER	HHS

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - LOST RADIOGRAPHY CAMERA

On 1/20/07 at approximately 1400 CST, a licensee radiographer was transiting down a lease road in his vehicle (white 2001 or 2002 Dodge diesel pickup truck with a fiberglass radiographer dark room on the back) with a radiography camera secured in a yellow box in the back. The radiographer attempted to cross moving water. When the radiographer attempted to cross the water the engine was stalled by the flow of water. The water started to flow into the truck over the doors. The radiographer evacuated the truck. The truck was subsequently swept away. Oklahoma Emergency Management, Local Law Enforcement and the Oklahoma State Police were notified and initiated a search for the lost camera. The search was conducted on the ground and in the air via a helicopter. The licensee RSO was notified and is en route to the area.

At this time the camera has been not located, but a log jam was discovered down stream of where the truck was swept away and it is not believed that the truck could have passed this log jam. The search has been called off due to darkness. The area that the camera is suspected to be is very remote and lightly populated. It is between the towns of McAlester, OK and Calvin, OK. It is unlikely that the camera could relocate to a populated area. The search will resume on 1/22/07 at 0700 CST.

The camera is a new Industrial Nuclear Corporation model Ir-192 camera. The source strength is 100 Ci.

Notified NORTHCOM (via e-mail)

* * * UPDATE FROM STATE OF OKLAHOMA (BRODERICK) TO HUFFMAN AT 0940 EST ON 1/22/07 * * *

The State of Oklahoma representative reports that the pickup truck is believed to have been located downstream

of where it was swept into the water. The location is known as "Coal Creek." Only the shell of the truck can be seen but it is the judgment of those at the scene that the shell is still attached to the truck. Local law enforcement is at the site and has secured it from unauthorized entry. The camera was reported to be in an ammo box that was locked and welded to the bed of the pickup truck so it is likely also still attached to the truck. Because of the unsafe conditions in the creek at this time, the site will remain secured and attempts to retrieve the truck will be made when the water flow is reduced and the levels receded. The State estimates that retrieval will not be until sometime in the morning of Tuesday, January 23. The State indicated that there is media interest in this event and that a press release is being prepared.

R4DO (Hay), NMSS EO (Burgess), IRD (Cruz), and ILTAB (Sandler) notified.

* * * UPDATE FROM STATE OF OKLAHOMA (BRODERICK) TO KOZAL AT 1459 EST ON 1/22/07 * * *

The State provided the following information via email:

"The search was resumed on the morning of the 22nd, and searchers quickly located the truck. The top of the camper was visible from the bank. This area was impacted by the snow and ice storms of recent weeks, and the creek is high because of runoff of snow melt. The water is fast moving and cold. Searchers felt there was substantial risk in accessing the truck in these conditions. Local sources estimate the creek will return to a more normal level enabling safe access to the source sometime Tuesday. The licensee plans to maintain security on the truck and source, but let it stay where it is until then. DEQ concurred with this decision.

"At about 1 PM on the 22nd, the licensee reported that the water level had dropped and about half the camper shell is above water. It looks intact, and the door of the camper appears to still be locked. They still expect to be able to access the truck on the 23rd.

"The camper appears intact, and it is assumed that the source is inside the camera inside the locked ammo box in the camper. The ammo box is bolted to the bed of the truck [not welded, as was previously erroneously reported to NRC], and it is assumed that the source is still present. This incident was reported on television and print media. DEQ has prepared a press release in case one is needed, but does not plan to issue it at this time. DEQ staff are en route to the area and will be present tomorrow during recovery. They will also interview the radiographer and assistant involved in the accident."

R4DO (Hay), NMSS EO (Burgess), IRD (Cruz), and ILTAB (Sandler) notified.

* * * UPDATE FROM STATE OF OKLAHOMA (BRODERICK) TO KOZAL AT 1031 EST ON 1/23/07 * * *

The State provided the following information via email:

"The water has not gone down enough to allow safe access to the truck this morning, and is not expected to drop enough today to allow it. The licensee is now hoping for access to the truck tomorrow."

The licensee will continue to provide security for the truck.

R4DO (Hay), NMSS EO (Morell), IRD (Blount), and ILTAB (Sandler) notified.

* * * UPDATE FROM STATE OF OKLAHOMA (BRODERICK) TO GOTT AT 1450 EST ON 1/24/07 * * *

The State provided the following information via email:

"The licensee has recovered the camera. It appears to be intact. As a precautionary measure, DEQ staff will take surveys and wipe tests of the camera and return to the office."

Notified R4DO (Hay), NMSS EO (Morell), IRD (Blount), ILTAB (Sandler), DHS (Constantopoulos), FEMA (M. Laforty), DOE (M. Smith), USDA (A. Paris), NORTHCOM (Maj. Martin), and HHS (M. Dalziel).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (AGR) Event # 43480

Rep Org: LOUISIANA RADIATION PROTECTION DIV		**Notification Date / Time:** 07/11/2007 15:59	(EST)
Licensee: ALPHA & OMEGA SERVICES		**Event Date / Time:** 07/11/2007	(CDT)
		Last Modification: 07/16/2007	
Region: 4		**Docket #:**	
City: EDGERLY		**Agreement State:** Yes	
County:		**License #:** LA-10025-L01	
State: LA			
NRC Notified by: RICHARD PENROD		**Notifications:** REBECCA NEASE	R4
HQ Ops Officer: JOHN KNOKE		MICHELE BURGESS	FSME
Emergency Class: NON EMERGENCY		JIM WHITNEY ILTAB	
10 CFR Section:			
AGREEMENT STATE			

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

AGREEMENT STATE REPORT - MISSING IR-192 SOURCE

The licensee provided the following information via facsimile:

"A facility in Twin Falls, Idaho was shipping a 6 Ci Ir-192 HDR source back to Alpha & Omega Services for disposal. The carrier was FedEx. When the package arrived at Alpha & Omega and was opened, it contained a helicopter part and not a source. Will update when information is available."

Event Report ID No: LA070018

See also Event Notification #43484

* * * UPDATE AT 1054 EDT ON 7/16/07 FROM RICHARD PENROD TO S. SANDIN * * *

The following information was received via fax:

"This source was never lost. The facility did not follow their SOPS and log in the shipment from FEDEX. The source was in the facility the entire time."

Notified R4DO (Pick) and FSME (Wastler).

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.

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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General Information (AGR) Event # 43822

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 12/03/2007 23:13 (EST)	
Licensee: DESERT INDUSTRIAL X-RAY LP		**Event Date / Time:** 12/03/2007 21:00 (CST)	
		Last Modification: 12/04/2007	
Region: 4		**Docket #:**	
City: SAGINAW		**Agreement State:** Yes	
County: TARRANT		**License #:** L04590-008	
State: TX			
NRC Notified by: LATISCHA HANSON	**Notifications:**	MICHAEL HAY	R4
HQ Ops Officer: JEFF ROTTON		DENNIS RATHBUN	FSME
Emergency Class: NON EMERGENCY		JEFFREY CRUZ	IRD
10 CFR Section:		BENJAMIN SANDLER	ILTAB
AGREEMENT STATE		MIKE INZER	DHS
		MIKE SMITH	DOE
		MIKE LAFORTY	FEMA
		THREET	EPA
		JIMENEZ	USDA
		KELLEHER	HHS

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - LOST RADIOGRAPHY CAMERA

The licensee's radiography team left the temporary jobsite with their SPEC 150 radiography camera on the tailgate. The camera contained a 24 Curie Ir-192 source. The licensee drove approximately 15 miles down the road prior to remembering the gauge was on the tailgate. It was then noticed that the camera was no longer in the truck. The licensee team is retracing their route in search of the camera and will be contacting the Tarrant County Sheriff's Department to aid in the search. The licensee is not sure if the camera had been secured properly prior to driving down the highway. The route taken was from Tinsley Lane to North Business 287 in Saginaw, TX towards Justin, TX in Tarrant County.

Notified NORTHCOM and Mexico via email.

Texas Report TX-07-43822

*** UPDATE FROM TEXAS DEPARTMENT OF HEALTH (JISHA) TO HOWIE CROUCH AT 0743 ON 12/04/07 ***

The SPEC 150 radiography camera was recovered at 0633 CST. A member of the public found the camera and placed it in the back of his private vehicle. Upon hearing about the lost source on the local news this morning, the citizen turned the camera over to the Fort Worth Fire Department. The camera appears intact and undamaged. Texas Department of Health is responding to the fire department to conduct a survey and inspection of the camera. No overexposures are expected.

Notified DHS (Haselton), DOE (Parsons), FEMA (Burckart), USDA (Watts), HHS (Garcia), EPA (Johnson), Mexico (via email), NORTHCOM (via email), R4DO (Hay), FSME EO (Burgess) and ILTAB (Sandler).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (AGR) Event # 43861

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 12/21/2007 14:49	(EST)
Licensee: QSA GLOBAL		**Event Date / Time:** 12/11/2007	(EST)
		Last Modification: 12/23/2007	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:**	Yes	
County:	**License #:**		
State: MA			
NRC Notified by: JOHN SUMARES	**Notifications:**	PAMELA HENDERSON	R1
HQ Ops Officer: BILL HUFFMAN		ABY MOHSENI	FSME
Emergency Class: NON EMERGENCY		GEORGE PANGBURN	FSME
10 CFR Section:		JEFFREY CRUZ	IRD
AGREEMENT STATE		JOHN FROST	DHS
		THOMAS YATES	DOE
		CHRIS LIGGETT	FEMA
		ANDY WATTS	USDA
		LEE MILLER	HHS
		MR. CREWS	EPA

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

MASSACHUSETTS AGREEMENT STATE REPORT - LOST SHIPMENT OF IRIDIUM-192 SOURCES

"The RSO for QSA Global called to report a missing shipment. The shipment was dispatched from QSA on 12/5/07 via Roadway. Roadway has a signed receipt (dated 12/11/07) from LAN Cargo in Miami, FL. LAN Cargo cannot locate the shipment in Miami. The initial notification was made to QSA on Tuesday morning, 12/18/07, and there was some initial confusion as Roadway said that it was delivered [LAN Cargo], and LAN Cargo said they did not know where it was. Official notification of the missing shipment was not made to QSA until yesterday, 12/20/07. As of today, the shipment is still missing and QSA notified MA RCP.

"The shipment contains 4 sources containing a total of just under 800 curies of Ir-192. The investigation is on-going and more details will follow as they are received."

The following additional information was obtained from QSA Global's RSO:

Date Shipped: Dispatched from QSA on 12/5/07 via Roadway, PRO #100-971702-4, for LAN Cargo in Miami. Roadway has a signed receipt for the shipment from LAN Cargo, but LAN Cargo cannot locate the shipment in Miami.

Customer: Caefe NDT, Rioja 4855, 2000 Rosairo (SF) Argentina

RAM: Seven (7) IR-192 sources in four containers on a skid: 4066.3 GBq, 8572.9 GBq, 8025.3 GBq, and 8162.3 GBq.

Status:

The initial notification was made to QSA Tuesday morning and there was some initial confusion as Roadway said that it was delivered, and LAN said they didn't know where it was. It is a skid that weighs over 400 lbs, so it is not something that can be easily moved. Because of the initial confusion over the actual status, official notification of the missing shipment wasn't made to QSA until yesterday morning. As of today, it is still missing and therefore, QSA is making the formal notification to MRCP per 105 CMR 120.281.. A second shipment bound for Lima, Peru was consigned to LAN Cargo on the same day and we are investigating whether the missing shipment went to Lima instead of Argentina.

The licensee has also contacted the State of Florida. ILTAB (Sandler) and R2DO (Shaeffer) notified.

* * * UPDATE PROVIDED BY STATE OF MASSACHUSETTS (BOB WALKER) TO JEFF ROTTON AT 1542 ON 12/23/07 * * *

The shipment has been located at the Miami Roadway Express Terminal Dock.

Notified R1DO (Henderson), FSME (Mohseni, Pangburn), IRD (Cruz), R2DO (Shaeffer), ILTAB (Sandler). Notified DHS (Steve York), DOE(Sal Morrone), FEMA (Erwin Casto), USDA (Amanda Jimenez), HHS (Jamie Whitt).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (AGR) Event # 43995

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 02/20/2008 10:11	(EST)
Licensee: QSA GLOBAL		**Event Date / Time:** 02/19/2008	(EST)
		Last Modification: 02/21/2008	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:**	Yes	
County:	**License #:**		
State: MA			
NRC Notified by: MARIO IANNACCONE	**Notifications:**	RAY POWELL	R1
HQ Ops Officer: MARK ABRAMOVITZ		MICHELE BURGESS	FSME
Emergency Class: NON EMERGENCY		ILTAB (e-mail)	
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOACTIVE MATERIAL SHIPMENT MISSING

The Commonwealth of Massachusetts confirmed receipt of the following email notification (no additional comments) made by the shipper (QSA Global) to both them and the NRC Operations Center at 0955 EST:

"Please be advised that QSA Global, Inc. has been notified that a shipment of radioactive material bound for Hong Kong has been declared missing. Details follow:

"Customer: ETS Testconsult Ltd. In Hong Kong, PRC
"Carrier: Fed Ex
"One 650L transport container containing (2) Ir-192 sources: (1) 2.9 TBq (77.5 Ci) and (1) 2.1 TBq (57.2 Ci)

"It is believed that the material is not in the US as it had cleared the Anchorage, AK facility. A trace has been initiated, but due to the wide variation in time zones, not all intermediate locations in Asia have been checked as of this notification."

The airway bill confirms the shipment arrived in Hong Kong on 2/18/08 at 4:54 pm local time.

* * * UPDATE AT 1152 ON 2/20/2008 FROM MARIO IANNACCONE TO MARK ABRAMOVITZ * * *

The shipment has been found at the Fed Ex facility in Newark, NJ.

Notified FSME (Burgess), R1DO (Powell), and IP (Ramsey).

* * * UPDATE FROM CHARLES ELLARS (QSA GLOBAL) TO HOWIE CROUCH ON 02/21/08 @ 1015 EST * * *

In a correction to the previous update, FedEx informed the QSA Global broker that the shipment was NOT physically located in Newark, NJ. What was located in Newark was the FedEx container the freight was manifested on. It is now believed that the shipment was sent unmanifested to Hong Kong. QSA Global representatives in Hong Kong will be contacting the FedEx facility in Hong Kong to determine the status of the shipment. Additionally, QSA Global has contacted the FedEx RSO on the matter.

* * * UPDATE FROM CHARLES ELLARS (QSA GLOBAL) TO JOE O'HARA ON 02/21/08 AT 1546 * * *

The licensee provided the following information via email:

"Please be advised that QSA Global, Inc. is in receipt of the serial number for the transport container that was declared missing yesterday from our broker. He [QSA] received the number from FedEx staff in Newark. This number is not on the paperwork they [FedEx] have and gives us confidence that they [FedEx] have visually inspected the package. The shipment is expected to be put on a plane tonight to start for its final destination in Hong Kong."

Notified R1DO (Powell), FSME (Morell), and IP (Ramsey).

* * * UPDATE FROM THE COMMONWEALTH OF MASSACHUSETTS TO HOWIE CROUCH ON 02/22/08 @ 0910 EST VIA FAX * * *

"Package has been found.

"QSA Global, Inc. submitted at approximately 1:10 p on February 21 that the package is no longer missing and has been physically located at FedEx's facility in Newark, NJ. QSA Global indicated at 3:47 p.m. on February 21 that FedEx staff in Newark, NJ have confirmed the identity of the package and will continue shipment of the package to its final destination in Hong Kong.

"QSA Global, Inc. submitted that they will provide verification of receipt of the package when it is received by the customer in Hong Kong and will also provide a 30 day written report about this event."

Notified R1DO (Powell) and FSME (Flannery).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (AGR) Event # 44203

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 05/12/2008 13:45 (EST)	
Licensee: QSA GLOBAL INC.		**Event Date / Time:** 05/12/2008 13:45 (EDT)	
		Last Modification: 05/12/2008	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:** Yes		
County:	**License #:**		
State: MA			
NRC Notified by: BOB WALKER	**Notifications:**	PAUL KROHN	R1
HQ Ops Officer: PETE SNYDER		JIM WHITNEY	ILTAB
Emergency Class: NON EMERGENCY		BRIAN McDERMOTT	IRD
10 CFR Section:		MICHELE BURGESS	FSME
AGREEMENT STATE		LEE	DHS

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - MISSING IRIDIUM-192 SOURCE

QSA Global reported to the Commonwealth of Massachusetts that a shipment containing a 149.2 Curie Ir-192 source that was originally shipped on 5/7/08 was missing. The shipment arrived in Miami and was transferred from FedEx to Amerijet. Amerijet reported to an agent of QSA Global, on 5/9/08, that the shipment could not be found at the time of its originally scheduled flight to Trinidad, its final destination.

As of 1345 on 5/12/08 Amerijet still could not locate the package. The company initiated a warehouse search. The signature that FedEx had on record as receiver was reported to be "not an eligible" receiver by Amerijet.

* * * UPDATE AT 1710 FROM BOB WALKER TO HOWIE CROUCH * * *

Amerijet has located the missing shipment in their Miami facility. The package is undamaged and will shortly resume transport to its final destination of Trinidad.

Notified ILTAB (Whitney), R1DO (Krohn), FSME (Reis), IRD (McDermott), and DHS (Lee).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

General Information (AGR) Event # 45379

Rep Org: CALIFORNIA RADIATION CONTROL PRGM		**Notification Date / Time:** 09/23/2009 19:05	(EDT)
Licensee: J.L. SHEPHARD & ASSOCIATES		**Event Date / Time:** 09/23/2009	(PDT)
		Last Modification: 09/23/2009	
Region: 4	**Docket #:**		
City: SAN FERNANDO	**Agreement State:** Yes		
County:	**License #:** 1777		
State: CA			
NRC Notified by: DONALD OESTERLE	**Notifications:** GREG WERNER		R4DO
HQ Ops Officer: DONG HWA PARK	KEVIN HSUEH		FSME E
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

AGREEMENT STATE REPORT - LEAKING SOURCE

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

"J.L. Shepherd & Associates (JLS&A) performed a source exchange on a Model 44, serial number 7079, category 1 panoramic irradiator of their own manufacture.

"The source is identified as JLS&A Type 7810 capsule, manufactured by General Electric Company, Nuclear Center. The serial number is GEC-05-04. CA Sealed Source & Device registry: CA0598S122S

"At the time of source exchange, the Co-60 source was estimated to have [approximately] 250 Ci of activity. Wipe tests were taken at the location of the resourcing and showed no indication of leaks. The source holder rod was discolored and had evidence of corrosion. Source assembly was shipped to JL Shepherd's facility in San Fernando, CA.

"On September 22, 2009, the source was removed from the transport container in their hot cell with remote manipulators. The source was wiped and determined to have 0.0688 microCi of removable contamination. The source was decontaminated to between 0.001 - 0.0025 microCi level on smears, and placed into a stainless steel pipe and sealed with caps. This will remain in storage at their facility until disposed of in a proper manner."

California reference number: 092209

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***** This Event has been retracted !!!** ***** This Event has been retracted !!!**

General Information (AGR) Event # 46380

Rep Org: UTAH DIVISION OF RADIATION CONTROL		**Notification Date / Time:** 11/01/2010 13:17	(EDT)
Licensee: QUALITY INSPECTION AND TESTING INC.		**Event Date / Time:** 10/30/2010 07:00	(MDT)
		Last Modification: 02/01/2012	
Region: 4	**Docket #:**		
City: DUTCH JOHN	**Agreement State:** Yes		
County: DAGGET	**License #:** LA-11238-LO1		
State: UT			
NRC Notified by: GWYN GALLOWAY	**Notifications:**	BLAIR SPITZBERG	R4DO
HQ Ops Officer: VINCE KLCO		RAYMOND LORSON	NMSS E
Emergency Class: NON EMERGENCY		MICHELE BURGESS	FSME D
10 CFR Section:		DENNIS ALLSTON	ILTAB
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN RADIOGRAPHY CAMERA INVOLVED IN A TRANSPORTATION ACCIDENT

A previously terminated Quality Inspection and Testing employee gained unauthorized access to keys of a company vehicle loaded with a radiography camera. The individual appeared intent to drive the vehicle to the Rock Springs Airport located in Wyoming when the truck experienced an accident on Highway 191 about 4 miles south of Dutch John, Utah. When the Utah highway patrol drove up to the accident scene, the patrol found the radiography camera outside of the truck. The SPEC Model 150 radiography camera S/N 1195 containing 40 Curies of Ir-192 was undamaged and placed into the custody of a representative of Quality Inspection and Testing Inc. The individual driving the truck was transported to a medical facility. A survey of the site indicated no spread of contamination or radiation levels above background. A survey of the radiography camera revealed no leakage.

The radiography company was a Louisiana licensee with reciprocity in the State of Utah.

Utah Incident Number: 100006

* * * UPDATE FROM GWYN GALLOWAY TO JOE O'HARA AT 1940 EST ON 1/26/12 * * *

"During the investigation, DRC [Division of Radiation Control] personnel obtained conflicting statements from QIT [Quality Inspection and Testing Inc] management personnel regarding the employee's termination prior to the incident. Additionally, the driver worked two shifts after QIT management stated he had been terminated. The driver claimed he was not terminated until a number of days after his release from the hospital. Other QIT personnel were not aware the driver had been 'terminated' prior to the incident; therefore, the driver was allowed unescorted access to vehicles and devices containing sources from the day QIT management indicated the driver

was terminated until the day the accident occurred (approximately 2 to 3 days). Although initially reported as 'stolen' to DRC personnel, to date, the driver has not been charged with the theft of the vehicle or the source and the DRC does not believe that the employee had been terminated."

The state believes that this event does not meet the abnormal occurrence criteria as determined by the Utah Division of Radiation Control.

Utah Incident Number: 100006

Notified R4DO(Drake), NMSS(McCartin), FSME EO(Hsueh), and ILTAB(Hahn)

* * RETRACTION FROM GWYN GALLOWAY TO JOHN KNOKE AT 1741 EST ON 02/01/12 * *

This information was provided by the State of Utah via email.

"During the investigation of this event, it was determined that the device was not actually stolen. Additionally, according to NRC Region IV and the U.S. DOT, the event did not meet the criteria for a reportable transportation event. Therefore, we are requesting the Event No. 46380 be retracted and will contact NMED personnel to retract NMED event 100544."

Notified the R4DO (Clark), FSME EO (Suber), NMSS EO (Pstrak), ILTAB (Matt Hahn)

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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General Information (AGR) Event # 46408

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 11/09/2010 15:42 (EST)	
Licensee: QSA GLOBAL, INC.		**Event Date / Time:** 11/08/2010 (EST)	
		Last Modification: 11/10/2010	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:** Yes		
County:	**License #:** 12-8361		
State: MA			
NRC Notified by: SALISU DAKUBU	**Notifications:**	RONALD BELLAMY	R1DO
HQ Ops Officer: MARK ABRAMOVITZ		GLENDA VILLAMAR	FSME D
Emergency Class: NON EMERGENCY		LAURA PEARSON	ILTAB
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOACTIVE MATERIAL SHIPMENT FAILS TO ARRIVE

"A shipment containing 88.7 Ci Ir-192 that was scheduled to be delivered on 11/8/2010 did not arrive as scheduled. A trace was requested today. Details are as follows:

"On Friday 11/5/10, QSA Global, Inc (MA License 12-8361) shipped a CPIR100 to Kakivik Asset Management (NRC 50-27667-01) to be delivered C/O Northern Air Cargo in Anchorage, AK. It was shipped [by the carrier] P1 (Priority overnight) along with a small non-radioactive piece that contained a leak test kit. Both pieces were scheduled to be delivered to Northern Air Cargo on Monday 11/8/10. The leak test delivered without issue. However, the radioactive piece is still showing as arrived at [the carrier's] location in Newark, NJ.

"Today, Tuesday, 11/9/10, [the carrier] was contacted to put a trace on the radioactive material. They believe that the address label must have somehow come off the package. QSA provided a complete physical description of the IR100 overpack."

Source serial # - 66641B
Source Activity - 88.7 Ci / 3281.9 GBq
Surface reading - 18.0 mr/hr
Transport Index - 0.4

* * * UPDATE FROM JOSH DAEHLER TO DONG PARK AT 1025 EST ON 11/10/10 * * *

The following information was received via email:

"QSA has been notified by the carrier this morning that the package referenced [above] was located overnight and has been forwarded to its destination on a new tracking [number]."

Notified R1DO (Bellamy), FSME (Burgess), and ILTAB (Pearson).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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General Information (AGR) Event # 46497

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 12/20/2010 10:34 (EST)	
Licensee: LANTHEUS MEDICAL IMAGING		**Event Date / Time:** 12/19/2010 (EST)	
		Last Modification: 12/23/2010	
Region: 1	**Docket #:**		
City: NORTH BILLERICA	**Agreement State:** Yes		
County: MIDDLESEX	**License #:** 60-0088		
State: MA			
NRC Notified by: ANTHONY CARPENITO	**Notifications:**	NEIL PERRY	R1DO
HQ Ops Officer: JOHN SHOEMAKER		JIM WHITNEY	ILTAB
Emergency Class: NON EMERGENCY		GLENDA VILLAMAR	FSME D
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - DELAYED MEDICAL SHIPMENT

The following was received via email from the Commonwealth of Massachusetts:

"Licensee reported not receiving 400 Ci Mo-99/Tc-99m shipment from supplier on schedule (arrival originally expected for 12/18/10). Licensee is in communication with supplier and carrier(s) in ongoing effort to locate missing package.

"Last known location, per IRE (shipper), was Frankfurt, Germany. At 12/20/10, 8:30 AM ET, licensee received verbal confirmation confirming the shipment is still on the ground in Germany. Licensee has requested more definitive confirmation from its source(s).

"The Agency [Commonwealth] considers this event still OPEN."

* * * UPDATE AT 1330 EST ON 12/21/2010 FROM THE COMMONWEALTH OF MASSACHUSETTS TO JOHN SHOEMAKER * * *

"The licensee stated that photographic evidence has been received confirming the shipment is still on the ground in Germany. The shipment will be returned to the supplier.

"The Commonwealth of Massachusetts considers the event to be closed."

Notified R1DO (Perry), FSME (Burgess), and ILTAB (Whitney)

* * * UPDATE AT 1137 EST ON 12/23/2010 FROM ANTHONY CARPENITO TO DONALD NORWOOD * * *

The Massachusetts Event Docket Number for this event is 12-9422.

Notified R1DO (Perry), FSME (Villamar), FSME (Lewis) and ILTAB (Johnson) all via E-mail.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

This source is not amongst those sources or devices identified by the IAEA Code of Conduct for the Safety & Security of Radioactive Sources to be of concern from a radiological standpoint. Therefore is it being categorized as a less than Category 3 source.

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Agreement State (AGR) Event # 46864

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 05/19/2011 20:22	(EDT)
Licensee: FEDERAL EXPRESS		**Event Date / Time:** 05/18/2011 09:00	(CDT)
		Last Modification: 05/19/2011	
Region: 4	**Docket #:**		
City: HOUSTON	**Agreement State:**	Yes	
County:	**License #:**		
State: TX			
NRC Notified by: ART TUCKER	**Notifications:**	MICHAEL SHANNON	R4DO
HQ Ops Officer: MARK ABRAMOVITZ		CHRISTIAN EINBERG	FSME E
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

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

AGREEMENT STATE REPORT - RADIOACTIVE SHIPMENT LOST IN TRANSIT

"On May 19, 2011, the Agency [State of Texas] was notified by a shipper that on May 18, 2011, a package carrying a 297 Giga Becquerel Iridium (Ir) 192 source manufactured by Alpha-Omega Laboratory and shipped from Vinton, Louisiana was lost near the intersection of Rankin and Albine Westfield Roads in Houston, Texas. The source is used in a high dose afterloader. The source was being transported to DHL in Houston, Texas for shipment to the country of Brazil. The shipper stated that the door on the back of the truck popped opened and the driver could not see it open or any of the contents from the truck fall onto the road. The truck is a large truck with doors that swing open in the back. A member of the general public (MGP) saw several letters setting on the road and stopped to pick them up. He stated that he saw the small drum the source was packaged in across the road in a church parking lot and did not indicate that he saw any damage to the drum. He could not retrieve the drum because of the traffic and he was taking his wife to a doctor's appointment. On his way back from the doctor office about an hour later the MGP went back by the location where the drum had been and it was gone. He took the letters by a FedEx office and told them what had happened. FedEx responded by driving to the location and searching for the source. They also traced the path traveled by the truck three times, but they did not locate the source. The package the source is contained in is a Type A package, 34 cm in length, 34 cm wide, and 37 cm high and is similar to a 5 gallon paint bucket. The shipper stated that there was a locking device on the container. The container is labeled with a Yellow III label with a transport index of 1.3. Additional information will be provided as it is received in accordance with SA-300."

Later, the state reported that the source has been located at a Houston Area Fire Department. The state will provide additional information as it is received.

Texas Incident #: I - 8854

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

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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Agreement State (AGR) Event # 47070

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 07/19/2011 09:04 (EDT)	
Licensee: ACUREN INSPECTIONS INC.		**Event Date / Time:** 07/19/2011 07:00 (CDT)	
		Last Modification: 07/19/2011	
Region: 4	**Docket #:**		
City: LA PORTE	**Agreement State:** Yes		
County:	**License #:** L01774		
State: TX			
NRC Notified by: ART TUCKER	**Notifications:**	VIVIAN CAMPBELL	R4DO
HQ Ops Officer: PETE SNYDER		RON ZELAC	FSME D
Emergency Class: NON EMERGENCY		DENNIS ALLSTON	ILTAB
10 CFR Section:		WILLIAM GOTT	IRD
AGREEMENT STATE		MIKE INZER	DHS
		DENNIS VIA	FEMA
		MIKE BEVERLY	USDA
		BOB JARRELL	DOE
		SAM WILLIS	HHS
		BRENT TALIAFERRO	NRC(EP

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN RADIOGRAPHY CAMERA

"On July 19, 2011, the Agency [Texas Department of Health] was notified by the licensee that one of their radiography crews had discovered that the dark room on their truck had been broken into some time during the night. The radiographers stated the radiography camera transportation container containing a QSA Global model 880 D camera with a 33.7 curie iridium (Ir) 192 source and a portable electric generator had been stolen.

"Local law enforcement was contacted and responded to the scene. The agency [Texas Department of Health] notified the Texas association of Pawnbrokers of the event and provided information on the device. Additional information will be provided as it is received."

Texas Incident # I-8871

* * * UPDATE FROM ART TUCKER TO VINCE KLCO ON 7/19/2011 AT 1659 EDT * * *

The following information was received by email:

"Local law enforcement has reviewed the security tape at the hotel and was able to identify the vehicle type and manufacturer. They do not believe they can get a license plate number from the video. The time of the theft was set at between 0400 [CDT] and 0409 [CDT]. An Agency investigator went to the location and interviewed the radiographers. He found that the guide tube and crank cables were also stolen. The radiographer stated that the tailgate of the truck was not locked, but that the dark room door was locked. He stated that they did not test the alarm that day, but it had been tested on July 17, 2011. Because of the investigation by local law enforcement, they have not been able to test the alarm system today. The radiographer stated that a cable was used to secure

the transport box to the truck and that one of the pad eyes used to secure the cable to the truck had been ripped through the dark room wall freeing the transportation container. The radiographer stated that the transport box has a new Yellow II label.

"The alarm system was tested at 1141 [CDT] and found to be functioning properly. The radiographers stated that they had set the alarm when they got to the hotel, but failed to set it after returning from getting their dinner.

"The agency [Texas Department of Health] has contacted the Federal Bureau of Investigation and informed them of the event.

"The agency [Texas Department of Health] and the licensee are currently driving around the city of Austin, Texas with portable radiation detection instrumentation in an attempt to locate the camera."

Notified the R4DO (Campbell), FSME (White), IRD (Gott), ILTAB (Allston), R4IAT(Howell) and Mexico (via email and fax).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 47738

Rep Org: COLORADO DEPT OF HEALTH		**Notification Date / Time:** 03/13/2012 17:39	(EDT)
Licensee: HIGH MOUNTAIN INSPECTION		**Event Date / Time:** 03/13/2012	(MDT)
		Last Modification: 03/13/2012	
Region: 4	**Docket #:**		
City: GREELEY	**Agreement State:** Yes		
County:	**License #:** 1042-01		
State: CO			
NRC Notified by: ED STROUD	**Notifications:**	CHUCK CAIN	R4DO
HQ Ops Officer: JOHN KNOKE		JAMES DANNA	FSME E
Emergency Class: NON EMERGENCY		DENNIS ALLSTON	ILTAB
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOGRAPHY CAMERA WAS LOST AND RECOVERED

A radiographer working for High Mountain Inspection was conducting radiography on a pipeline near De Beque, CO. The radiographer failed to secure the camera in his pickup truck when he drove off to the next location. Arriving at his destination the radiographer realized his camera was missing and retraced his steps. The radiography camera with a 26 Curie, Ir-192 source was not located.

At 1826 EDT the State of Colorado called and said a member of the public had found the missing camera and called the licensee. The licensee is now in possession of the radiography camera and the source has not been tampered with.

The camera is a SPEC, s/n 150. The source s/n is SJ0702.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 47944

Rep Org: ARKANSAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 05/22/2012 15:58	(EDT)
Licensee: INTERNATIONAL TESTING & INSPECTION		**Event Date / Time:** 04/29/2012	(CDT)
		Last Modification: 05/30/2012	
Region: 4		**Docket #:**	
City: LITTLE ROCK		**Agreement State:** Yes	
County:		**License #:** ARK-773-03320	
State: AR			
NRC Notified by: JARED THOMPSON	**Notifications:**	BLAIR SPITZBERG	R4DO
HQ Ops Officer: JOE O'HARA		BRIAN McDERMOTT	FSME E
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEEMENT STATE REPORT - POTENTIAL OVEREXPOSURE

The following notification was received via e-mail:

"On May 21, 2012, the Arkansas Department of Health received email notification regarding a possible overexposure. The Radiation Safety Officer (RSO) for International Testing & Inspection Services, Inc. (ARK-773-03320) in Little Rock, Arkansas was reporting a 43.2 Rem exposure to a radiographer.

"The licensee believes that on April 29, 2012, while performing radiographic operations at the permanent storage location, the radiographer may have lost or misplaced his personal dosimeter while setting up for the second exposure. Pocket dosimeter readings for the day of operations were negligible for the radiography crew.

"The licensee was notified on May 16, 2012 by email by Landauer Inc. of the possible overexposure. The RSO opened the email and notified the Department by email on May 20, 2012.

"The radiographer has been suspended from licensed activities pending the completion of an investigation by the licensee. The radiographer has been sent to his personal physician for a physical and blood work.

"Radioactive Material Information:
"Camera: Industrial Nuclear Company
"Model: IR-100
"Serial Number: 4353
"Source Serial Number: R984
"Iridium-192 52.0 Curies

"The Department will conduct an investigation. The licensee will provide an incident report.

"Arkansas Incident Number: AR-2012-002"

* * * UPDATE VIA EMAIL FROM JARED THOMPSON TO JOE O'HARA AT 1552 ON 5/30/12 * * *

"On May 22, 2012, the Arkansas Department of Health conducted an investigation of the potential overexposure at International Testing & Inspection Services (ARK-773-03320) in Little Rock, Arkansas.

"The investigation consisted of a review of statements made by the 3 man radiography crew, interview with the affected radiographer, review of equipment, and the results of the medical lab report. A review of the safety equipment issued to the radiography crew indicated that there had not been a significant exposure to the individual. The highest reading on the self reading dosimeters worn by the crew was 2 mRem.

"A review of the medical lab results indicated normal white blood and red blood cell counts. The Department consulted with RE/ACTS concerning the medical lab results on May 25, 2012.

"Based on the statement of the radiographer, the exposure measurement of self reading dosimeters, no abnormal surveys observed and the medical lab results, the Department has concluded that this is an overexposure to the personal monitoring device.

"On May 25, 2012, the Department authorized the assignment of 500 mRem radiation dose for this radiographer for the wear period of April 2012.

"The Department considers this incident to be CLOSED."

Notified R4DO (Pick) and FSME EO (McDermott)

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 48025

Rep Org: CALIFORNIA RADIATION CONTROL PRGM		**Notification Date / Time:** 06/14/2012 13:04	(EDT)
Licensee: TEAM INDUSTRIAL SERVICES		**Event Date / Time:** 05/22/2012	(PDT)
		Last Modification: 06/14/2012	
Region: 4		**Docket #:**	
City: BENICIA		**Agreement State:** Yes	
County:		**License #:** 6720-48	
State: CA			
NRC Notified by: KENT PRENDERGAST		**Notifications:** RYAN LANTZ	R4DO
HQ Ops Officer: PETE SNYDER		FSME EVENTS RESOURCE	EMAIL
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - CAMERA SOURCE FAILS TO RETRACT

The agreement State of California reported the following via email:

"On 06/13/12, the RSO at Team Industrial contacted RHB to report a radiography camera incident that occurred on 05/22/12 at the Evergreen refinery in Newalk, CA. The radiographers were using a QSA 880 camera on the second deck of the unit 1 at this refinery. The radiographer cranked the 59 Ci source out into the collimator and after the exposure, he couldn't retrieve the source back into the shielded position. He immediately contacted the RSO. Per RSO's instructions, the radiographer unscrewed the crank assembly and pulled the cable back to retrieve the source into shielded position. There were no exposures to the radiographers, two assistants, and any member of the public. The licensee's Instadose dosimetry indicated 8 mR for the radiographer for the period of 5/18 - 5/22 and 7 mR and 0 mR for the two assistants for the same period. Their pocket dosimeters indicated zero exposure for all three individuals.

"The crank assembly was sent to QSA and they have indicted that the worn out teeth and bearings of the crank assembly inhibited the normal retrieval of the source.

"RSO will be providing a detailed report to RHB ASAP."

CA 5010 Number: 061312

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources

are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 48176

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 08/10/2012 11:07	(EDT)
Licensee: STERIS ISOMEDIX SERVICE		**Event Date / Time:** 07/23/2012	(EDT)
		Last Modification: 08/11/2012	
Region: 1	**Docket #:**		
City: NORTHBOROUGH	**Agreement State:** Yes		
County:	**License #:** 28-7911		
State: MA			
NRC Notified by: ROBERT GALLAGHAR	**Notifications:**	LAWRENCE DOERFLEIN	R1DO
HQ Ops Officer: JOHN SHOEMAKER		CHRISTINE LIPA	R3DO
Emergency Class: NON EMERGENCY		ANGELA MCINTOSH	FSME D
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - SOURCE UNACCOUNTED FOR IN SHIPMENT

The following information was received from the State of Massachusetts Radiation Control Program via e-mail:

"Containers from REVISS Services, Inc were used to ship return Co-60 sources from Steris Isomedix Services, Northborough, MA to REVISS's UK facility. When the container arrived on 8/7/12 and was opened by the REVISS (UK) staff, they identified that the basket contained only 52 sources rather than the 53 that were expected. When the container arrived the tamper proof seals that were installed by engineers at the plant were intact. A review of the documentation for the operations at the plant indicate that only 52 sources were loaded into the basket. A positive check of the serial numbers confirmed that the one source that was unaccounted for was a Nordion model C-188, Co-60 source, serial number 41313.

"Steris Isomedix Services was contacted and at their earliest chance will inspect the pool to ensure that the source was not dropped onto the floor of the pool. There were no abnormal radiation readings that would indicate that the source was removed from the pool during operations. Because the documentation does not indicate that the source was ever removed from the source module, Steris Isomedix Services has a high level of confidence that the source is still in the irradiator pool.

"Steris Isomedix Services, Northborough, MA and REVISS will continue updating as information is acquired.."

* * * UPDATE AT 1047 EDT ON 8/11/12 FROM JOSH DAEHLER TO HUFFMAN * * *

The subject missing Co-60 source, serial # 41313, was discovered this morning (8/11/12) to be located in module 10, position 23, in the Steris (Northborough) pool irradiator. The serial number of the source was visually

confirmed by Steris, REVISS, and a State of Massachusetts Inspector. The source is no longer missing. The State is continuing its investigation into the circumstances of this event.

Notified R1DO (Burritt), R3DO (Lipa), FSME (Henderson), and IRD MOC (Marshall).

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 48191

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 08/15/2012 10:37	(EDT)
Licensee: EAGLE X-RAY		**Event Date / Time:** 08/15/2012	(CDT)
		Last Modification: 08/15/2012	
Region: 4	**Docket #:**		
City: MONT BELVIEU	**Agreement State:** Yes		
County:	**License #:** L03246		
State: TX			
NRC Notified by: ART TUCKER	**Notifications:**	BOB HAGAR	R4DO
HQ Ops Officer: VINCE KLCO		WILLIAM GOTT	IRD
Emergency Class: NON EMERGENCY		JIM WHITNEY	ILTAB
10 CFR Section:		ANGELA MCINTOSH	FSME D
AGREEMENT STATE		MEXICO	FAX

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN RADIOGRAPHY CAMERA

The following information was received by email:

"On August 15, 2012, the licensee notified the Agency [Texas Department of State Health Services] that sometime during the evening, a QSA Global 880D radiography camera was stolen out of the dark room of one of their trucks. The camera contained Iridium-192. The truck was parked at the licensee's office, however the Radiographer left the camera in the truck instead of transferring the camera to the vault. The thieves broke into five radiography trucks taking various items including generators and the one camera. A police report was filed with the Chamber County Sheriff's Department. The thieves did not take the crank outs or source tube."

"The State of Texas event number for this event is I- 8979. Additional information will be provided in accordance with SA 300."

Notified DHS, FEMA, USDA, HHS, DOE, DHS NICC and EPA EOC.

* * * UPDATE ON 8/15/12 AT 1330 EDT FROM CHRIS MOORE TO DONG PARK * * *

"On August 15, 2012, around 1130 [CDT], the licensee and Local Law Enforcement recovered the stolen QSA Global 880D Radiography Camera. The camera is stored in the vault at the licensee facility and is in normal working condition. [A person of interest has been identified]. The truck used by the thief was identified on video surveillance tape. The camera was in the back of truck at the residence of the thief. Investigation will continue for the company and radiographers [concerning] Increased Controls (IC) security violations."

Notified R4DO (Hagar), FSME (McIntosh), ILTAB (Whitney), IRD (Gott), Mexico via fax, DHS, FEMA, USDA, HHS, DOE, DHS NICC and EPA EOC.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 48315

Rep Org: ARKANSAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 09/17/2012 17:19 (EDT)	
Licensee: APPLIED INSPECTION SYSTEMS INC.		**Event Date / Time:** 09/17/2012 14:20 (CDT)	
		Last Modification: 09/18/2012	
Region: 4		**Docket #:**	
City: BENTON		**Agreement State:** Yes	
County:		**License #:** ARK-576-03310	
State: AR			
NRC Notified by: JARED THOMPSON	**Notifications:**	GEOFFREY MILLER	R4DO
HQ Ops Officer: PETE SNYDER		CHRISTOPHER CAHILL	R1DO
Emergency Class: NON EMERGENCY		BRIAN MCDERMOTT	FSME
10 CFR Section:		BARRY WRAY	ILTAB
AGREEMENT STATE		WILLIAM GOTT	IRD

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOGRAPHY CAMERA MISSING IN TRANSIT

This report submitted by email from the Agreement State of Arkansas:

"On September 17, 2012 at 1420, the Radiation Safety Officer for Applied Inspection Systems, Inc. (ARK-576-03310) in Benton, Arkansas notified the Department that a radiography camera shipped via [a transportation company] had not been delivered to their location. The camera was shipped from a jobsite in Montoursville, Pennsylvania on September 11, 2012. The camera was scheduled for delivery on September 14, 2012 at the licensee's facility in Benton, Arkansas.

"The licensee has begun investigating the location of the camera through use of the tracking number and in conversation with customer service. The licensee has verified that the camera is not at the Pennsylvania location as of September 17, 2012.

"Camera Information: SPEC Model 150; Serial Number: 1301; Source: Iridium-192; Source Serial Number: TF0807

"The camera was shipped in an overpack cardboard container supplied by SPEC.

"The licensee and [the Arkansas Department of Health] are continuing to monitor and search for the camera. Investigation remains on-going."

Arkansas Incident Number: AR-2012-007 Additionally notified: DHS SWO, FEMA, DHS NICC, EPA, DOE, HHS, and USDA.

* * * UPDATE ON 9/18/12 AT 1240 EDT FROM JARED THOMPSON TO PETE SNYDER VIA EMAIL * * *

"The radiography camera and source have been located and has arrived at the licensee's facility on September 18, 2012 at 1040 [CDT]. The package was found in the [transportation] facility in Newark, New Jersey in the afternoon of September 17, 2012. It appears that the shipping documentation had been changed and the package was misplaced.

"The camera was surveyed and there appears to be no damage to the source or camera.

"The licensee will be preparing a report for the [Arkansas Department of Health].

"The [Arkansas Department of Health] considers this event closed."

Notified R4DO (Miller), R1DO (Cahill), FSME-Day EO (McIntosh), ILTAB (Wray), DHS SWO, FEMA, USDA, HHS, DOE, DHS, and EPA.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 49007

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 05/06/2013 18:07 (EDT)	
Licensee: QSA GLOBAL		**Event Date / Time:** 05/06/2013 08:00 (EDT)	
		Last Modification: 05/06/2013	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:**	Yes	
County:	**License #:**		
State: MA			
NRC Notified by: BRUCE PACKARD	**Notifications:**	JAMES DWYER	R1DO
HQ Ops Officer: PETE SNYDER		BRIAN MCDERMOTT	FSME
Emergency Class: NON EMERGENCY		JIM WHITNEY	ILTAB
10 CFR Section:		PAUL HARRIS	IRD
AGREEMENT STATE		FSME EVENT RESOURCE	EMAIL

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - SOURCE SHIPMENT DID NOT ARRIVE AS EXPECTED

"QSA Global reported a lost source. The location of the source is not known. The shipment contains Ir-192."

QSA expected this source to arrive at their Baton Rouge, LA location at about 0800 CDT on 5/6/13. QSA contacted the common carrier to locate the item at some time after that. The last known location was Memphis, TN.

* * * UPDATE FROM MIKE FULLER (QSA) TO PETE SNYDER AT 1915 ON 5/6/13 * * *

At about 1915 EDT, QSA personnel learned from the common carrier that the item had been located at the Memphis, TN shipping location.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 49011

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 05/08/2013 17:03 (EDT)	
Licensee: QSA GLOBAL		**Event Date / Time:** 05/08/2013 10:00 (EDT)	
		Last Modification: 05/09/2013	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:**	Yes	
County:	**License #:**		
State: MA			
NRC Notified by: BRUCE PACKARD	**Notifications:**	JAMES DWYER	R1DO
HQ Ops Officer: DONALD NORWOOD		BRIAN MCDERMOTT	
Emergency Class: NON EMERGENCY		JANE MARSHALL	IRD
10 CFR Section:		JIM WHITNEY	ILTAB
AGREEMENT STATE		DAVID AYRES	R2DO
		HIRONORI PETERSON	R3DO
		MICHAEL VASQUEZ	R4DO
		FSME EVENTS RESOURCE	EMAIL

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - POTENTIALLY LOST RADIOACTIVE SOURCE SHIPMENT

Two, Category 2, IR-192 industrial radiography sources, loaded in a QSA Global model 650L source changer, left Wilmington, MA at 1416 EDT, 5/6/13 headed for Norfolk Naval Shipyard, Norfolk, VA. The source changer was expected to be delivered early the morning of 5/8/13. Norfolk Naval Shipyards notified QSA Global when the source changer did not arrive as scheduled. The transportation company was then notified. The transportation company began searches of its facilities in Newark, NJ and Boston, MA for the source changer. The last known shipping scan of the source changer was at 2342 EDT, 5/6/13 in Newark, NJ.

The source changer is a metal container measuring 8 1/4 inches x 10 inches x 13 inches that weighs approximately weighs 90 lbs. The transportation company is continuing to search for the source changer.

* * * UPDATE FROM CHARLES ELLARS (QSA Global) TO CHARLES TEAL ON 5/9/13 AT 0902 EDT * * *

The sources were found in the Newark, NJ facility and the shipment is expected to arrive at Norfolk Naval Shipyard on 5/10/13.

Notified R1DO (Dwyer), R2DO (Ayers), R3DO (Peterson), R4DO (Vasquez), IRD (Marshall), ILTAB (Whitney), FSME (McDermott), FSME Event Resources via email, DHS SWO, DOE, FEMA, HHS, NICC, USDA, EPA and Nuclear SSA via email.

* * * UPDATE FROM KENATH TRAEGDE (MA STATE) TO JOHN SHOEMAKER ON 5/9/13 AT 1444 EDT * * *

The state was notified, by QSA Global, at 0825 EDT on 5/9/13 that the source was found at 0450 EDT on 5/9/13.

The state will submit a follow-up report.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

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Agreement State (AGR) Event # 49812

Rep Org: CALIFORNIA RADIATION CONTROL PRGM **Notification Date / Time:** 02/10/2014 16:53 (EST)
Licensee: QUALSPEC, LLC., DBA TC INSPECTION LLC **Event Date / Time:** 02/09/2014 00:30 (PST)
Last Modification: 02/10/2014

Region: 4 **Docket #:**
City: RODEO **Agreement State:** Yes
County: **License #:** 5299-07
State: CA

NRC Notified by: KENT PENDERGAST **Notifications:** NICK TAYLOR R4DO
HQ Ops Officer: JOHN SHOEMAKER FSME EVENT RESOURCES EMAIL
Emergency Class: NON EMERGENCY
10 CFR Section:
AGREEMENT STATE

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOGRAPHY CAMERA LEFT UNATTENDED

The following Agreement State report was received via email:

"[The California Department of Health, Radiologic Health Branch] RHB Richmond received an incident report from the Qualspect Manager, via an email that a radiography camera had been left unattended. On February 9, 2014, between 0030 and 0245 [PST], Qualspect employees were conducting a radiography operation using [a camera containing an] Ir-192 104 Curie [source], camera s/n 4850, at the Valero Benicia Refinery. During the operation a few Qualspect rope [access] employees were in the area, their presence distracted the two radiographers thinking that another radiographer was in the area, so they left to process film. While the film was being processed, the camera was [left] dangling at 2 feet from the floor and unattended. A Valero Benicia Refinery employee discovered the suspended camera and brought it to the Qualspect employees' attention. Shortly thereafter, the Qualspect employees took possession of the camera."

The California RHB considers this a major event and is conducting an investigation. There were no personnel overexposures.

California Report #021014

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-

pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

Agreement State (AGR) Event # 49816

Rep Org: CALIFORNIA RADIATION CONTROL PRGM		**Notification Date / Time:** 02/11/2014 18:03 (EST)	
Licensee: MISTRAS GROUP, INC.		**Event Date / Time:** 02/09/2014 10:35 (PST)	
		Last Modification: 02/11/2014	
Region: 4	**Docket #:**		
City: BENICIA	**Agreement State:** Yes		
County:	**License #:** 4886-48		
State: CA			
NRC Notified by: KENT PRENDERGAST	**Notifications:**	NICK TAYLOR	R4DO
HQ Ops Officer: DONG HWA PARK		FSME EVENTS RESOURCE	EMAIL
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOGRAPHY CAMERA LEFT UNATTENDED

The following Agreement State report was received via email:

"On February 10, 2014, [the California Department of Health, Radiologic Health Branch] RHB Richmond received a call from the MISTRAS Group RSO, indicating that a radiographer had inadvertently left behind a radiography camera when he drove off the parking lot at the Chevron Richmond Refinery. On February 9, 2014, at 1035 [PST] after the radiographer finished radiography using IR100 Camera containing 31 Curies Ir-192, s/n 6614, he left the radiography camera on the bumper of the truck; later, assuming that he left the camera inside the truck, he drove off and the camera fell onto the pavement. According to the radiographer, the camera was left unattended for a short period of time. Later, a Chevron Richmond employee noticed the camera in the parking lot and contacted the Chevron facility Manager. Chevron management contacted Mistras RSO and he drove to the refinery and took possession of the camera."

California Report #: 021014

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

Agreement State (AGR) Event # 50118

Rep Org: NV DIV OF RAD HEALTH	**Notification Date / Time:** 05/16/2014 16:15 (EDT)
Licensee: SAINT MARY'S REGIONAL MEDICAL CENTER	**Event Date / Time:** 04/30/2014 08:00 (PDT)
	Last Modification: 05/16/2014
Region: 4	**Docket #:**
City: RENO	**Agreement State:** Yes
County:	**License #:** 16-12-0244-02
State: NV	
NRC Notified by: SNEHA RAVIKUMAR	**Notifications:** VINCENT GADDY R4DO
HQ Ops Officer: VINCE KLCO	FSME RESOURCES EMAIL
Emergency Class: NON EMERGENCY	
10 CFR Section:	
AGREEMENT STATE	

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - MISDELIVERY OF A RADIOACTIVE SOURCE

The following information was received from the State of Nevada by email:

[A Common Carrier] misdelivered an Ir-192 source for 645 North Arlington Avenue, Suite 120, Reno, NV 89503. The address was correct, but the source was inadvertently delivered to the Main Hospital receiving at 235 West Sixth Street, Reno, NV 89503. The source bucket was then delivered to the Radiation Safety Officer (RSO) - at the correct address. Once received by the RSO, the delivering employee was contacted and questioned about length of contact and it was estimated that 2 mrem of dose was received for 10 minutes of contact. The employee as well as the Director for the receiving department were contacted and told to refuse shipment of anything with a radioactive label and to call the RSO immediately. The shipper (Varian) was contacted and they filed a formal complaint with [the Common Carrier].

Nevada Event: NV140011

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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***** This Event has been retracted !!!** ***** This Event has been retracted !!!**

Agreement State (AGR) Event # 50144

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 05/27/2014 16:22	(EDT)
Licensee: GLOBAL X-RAY AND TESTING CORPORATION		**Event Date / Time:** 04/25/2014	(CDT)
		Last Modification: 06/04/2014	
Region: 4	**Docket #:**		
City: ARANSAS PASS	**Agreement State:** Yes		
County:	**License #:** L03663		
State: TX			
NRC Notified by: KAREN BLANCHARD	**Notifications:**	MICHAEL VASQUEZ	R4DO
HQ Ops Officer: VINCE KLCO		FSME RESOURCES	EMAIL
Emergency Class: NON EMERGENCY		WILLIAM GOTT	IRD
10 CFR Section:		MATTHEW HAHN	ILTAB
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - STOLEN AND FOUND RADIOGRAPHY CAMERA

The following information was received from the State of Texas by email:

"On May 19, 2014, the Agency [Texas Department of State Health Services] received a complaint alleging multiple rule violations had been committed by an industrial radiographer working for the licensee. On May 27, 2014, during the complaint investigation, the licensee's site radiation safety officer (SRSO) stated that on April 25, 2014, the radiographer had taken one of the licensee's radiography trucks which contained a SPEC 150 exposure device with a 23 curie iridium-192 source following completion of a job in San Antonio, Texas. The radiographer had possession of the truck and exposure device with its source until April 30, 2014. The licensee's SRSO stated they attempted during that time to contact the radiographer and to locate the truck using its GPS locator system, but they were unsuccessful. The licensee located the truck at a recreational vehicle park in Portland, Texas. The licensee's SRSO stated the exposure device was found laying in the floor of the dark room, the dark room door was not locked, and the dark room's alarm was not activated. The SRSO stated to the Agency investigator during the May 27th telephone interview that it did appear to him that an exposure could have resulted to persons in an unrestricted area during the event. An investigation into this event is ongoing and more information will be provided as it is obtained in accordance with SA-300."

Texas Incident: I-9196

* * * RETRACTION FROM KAREN BLANCHARD TO CHARLES TEAL ON 6/4/14 AT 1332 EDT * * *

The following was received from the State of Texas via email.:

"Investigation has determined that no theft occurred and this was not a reportable event. Investigation will continue in order to identify and address other potential regulatory violations."

Notified R4DO (Taylor), Grant (IRD), Wray (ILTAB), and FSME Event Resource via email.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 50146

Rep Org: LOUISIANA RADIATION PROTECTION DIV		**Notification Date / Time:** 05/28/2014 16:39 (EDT)	
Licensee: WELDING TESTING SERVICES		**Event Date / Time:** 05/28/2014 06:50 (CDT)	
		Last Modification: 05/28/2014	
Region: 4	**Docket #:**		
City: BATON ROUGE	**Agreement State:** Yes		
County:	**License #:** LA-3266-LO1		
State: LA			
NRC Notified by: JOSEPH NOBLE	**Notifications:**	MICHAEL VASQUEZ	R4DO
HQ Ops Officer: VINCE KLCO		FSME RESOURCES	EMAIL
Emergency Class: NON EMERGENCY		BARRY WRAY	ILTAB
10 CFR Section:		WILLIAM GOTT	IRD
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT- LOST AND FOUND LICENSED MATERIAL

The following information was received from the State of Louisiana by facsimile:

"Event Location: The radiography crew was at the MARATHON PETROLEUM COMPANY REFINERY, 4663 West Airline Highway, Garyville, LA, St. John the Baptist Parish. The crew was in the refinery to do radiography weld testing. The weather for the day was stormy and raining. The crew was in the vehicle waiting out the weather when a tornado ripped the darkroom off of the company vehicle and took the camera and source with the darkroom.

"Event type: The lost/found gamma camera is an AMERSHAM, MODEL 880 DELTA, S/N4045 exposure device housing 39 Ci of Ir-192 AEA Technology sources, Model #A424-9, S/N # 1040C.

"The camera was located within the refinery boundary and appeared to be undamaged and the source remained in the shielded area. The camera was surveyed and only background radiation levels were detected. The camera was then transported to QSA Global on Langley Dr. in Baton Rouge, LA for leak tests, radioactive source and DU [Depleted Uranium] mechanical evaluation. [QSA Global] stated the device would be disassembled for the evaluation. If the results of the evaluation are negative, the equipment will be removed from service. The leak test results for radiation and DU were negative for removable contamination.

"Notifications: LDEQ [Louisiana Department of Environmental Quality] was notified of the lost/found radiography source in a QSA Global, Amersham Delta 880 gamma camera/source holder housing a 39 Ci Ir-192 source. The source exposure device was located within the refinery boundary. After a field evaluation, the exposure device was moved to QSA Global in Baton Rouge, LA for a professional mechanical evaluation. The results of the evaluation

will determine if this equipment will be returned to service or remain out of service.

"Event Description: On May 28, 2014, [a senior trainer and business ops manager] called LDEQ and reported that a radiography crew dispatched to the Marathon Refinery in Garyville, LA had been hit by a tornado on the jobsite. The incident was at the Marathon Refinery, 4663 West Airline Highway in Garyville, LA. The tornado ripped the darkroom off of the truck with the gamma camera in the darkroom. After the storm had passed, the crew and the Marathon RSO surveyed the area in an attempt to locate the radiography source. The source and exposure device were located, field test/inspected for damage and radioactive contamination. When the equipment was deemed safe, it was transferred to QSA Global for a professional mechanical evaluation.

"ALL EQUIPMENT AND PERSONNEL APPEAR TO BE SAFE AND UNHARMED.

"LDEQ CONSIDERS THIS EVENT CLOSED."

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 50451

Rep Org: TEXAS DEPARTMENT OF HEALTH		**Notification Date / Time:** 09/12/2014 10:42	(EDT)
Licensee: AMERICAN X-RAY AND INSPECTION SERVICE		**Event Date / Time:** 09/11/2014 12:00	(CDT)
		Last Modification: 09/12/2014	
Region: 4	**Docket #:**		
City: MIDLAND	**Agreement State:** Yes		
County: REEVES	**License #:** 05974		
State: TX			
NRC Notified by: IRENE CASARES	**Notifications:** RAY AZUA		R4DO
HQ Ops Officer: MARK ABRAMOVITZ		FSME EVENTS RESOURCE	E-MAIL
Emergency Class: NON EMERGENCY			
10 CFR Section:			
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - RADIOGRAPHY SOURCE STUCK OUTSIDE THE CAMERA

The following information was received via e-mail:

"On September 11, 2014, at 1241 hours [CDT], the Agency [Texas Department of State Health Services] was notified by the licensee's Radiation Safety Officer (RSO) that one of their radiography crews reported they were unable to fully retract a 46 curie iridium - 192 source into a SPEC 150 exposure device. The RSO stated the radiographers had completed an exposure and cranked the source back to the exposure device. The radiographer picked up their dose rate meter and observed the reading was 30 millirem an hour. The radiographer also observed that the locking mechanism had not tripped. The radiographer contacted the RSO. An individual qualified to perform source retrieval was sent to the scene. The radiographer did not approach the exposure device. The RSO stated the source retrieval person should reach the location in about an hour. Awaiting information from RSO. Update will be provided in accordance with SA-300."

Texas Report #: I-9232

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

Agreement State (AGR) Event # 50599

Rep Org: OK DEQ RAD MANAGEMENT	**Notification Date / Time:** 11/06/2014 15:23 (EST)		
Licensee: HI-TECH TESTING SERVICE	**Event Date / Time:** 11/05/2014 (CST)		
	Last Modification: 11/06/2014		
Region: 4	**Docket #:**		
City: MUSTANG	**Agreement State:** Yes		
County:	**License #:**		
State: OK			
NRC Notified by: MIKE BRODERICK	**Notifications:**	GEOFFREY MILLER	R4DO
HQ Ops Officer: DONG HWA PARK		FSME EVENTS RESOURCE	EMAIL
Emergency Class: NON EMERGENCY		NMSS EVENTS RESOURCE	EMAIL
10 CFR Section:		ILTAB	EMAIL
AGREEMENT STATE			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - LOST AND RECOVERED RADIOGRAPHY CAMERA

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

"Hi-Tech Testing Service, an Oklahoma industrial radiography licensee based in Mustang, Oklahoma, reports that they temporarily lost custody of an industrial radiography camera containing an iridium source. At about 1:40 PM today, the Hi-Tech RSO reported by phone to DEQ [Department of Environmental Quality] that while doing radiography overnight at a compressor station near Perkins, Oklahoma, radiographers unintentionally left the radiography camera (with source inside) at the site. The error was discovered this morning when an inspector from Hi-Tech's client found the camera at the site. The client contacted Hi-Tech, who recovered the camera and have it in their possession. They report no evidence that the camera was tampered with or that there was an overexposure involved. DEQ will do an investigation of the incident.

"The above is very preliminary, based on phone reports from the licensee. It is basically all the information known to DEQ at this time. It will be updated as more information becomes available."

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

Agreement State (AGR) Event # 50609

Rep Org: TEXAS DEPT OF STATE HEALTH SERVICES	**Notification Date / Time:** 11/13/2014 11:58 (EST)		
Licensee: PHOENIX NON-DESTRUCTIVE TESTING INC.	**Event Date / Time:** 11/12/2014 12:45 (CST)		
	Last Modification: 11/13/2014		
Region: 4	**Docket #:**		
City: CHANNELVIEW	**Agreement State:** Yes		
County:	**License #:** L04454		
State: TX			
NRC Notified by: KAREN BLANCHARD	**Notifications:**	GREG WERNER	R4DO
HQ Ops Officer: VINCE KLCO		ANGELA MCINTOSH	FSME D
Emergency Class: NON EMERGENCY		DAVEY TOTTERER	ILTAB
10 CFR Section:		JEFFERY GRANT	IRD
AGREEMENT STATE		NMSS EVENTS NOTIFICATIO	EMAIL
		MEXICO	FAX

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT- LOST AND THEN FOUND RADIOGRAPHY CAMERA

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

"On November 13, 2014, the licensee notified the Agency [Texas Department of State Health Services, Radiation Branch] that on November 12, 2014, at approximately [1500 CST] it was notified by local law enforcement that one of its industrial radiography cameras had been found on the side of a road approximately 3 miles from the licensee's facility. The licensee determined that the SPEC 150 camera containing a 38 Curie Iridium-192 source had fallen from one of its trucks at approximately [1245 CST] while in route to a temporary job site. The camera had not been secured inside the truck before it left the licensee's facility but had been left on the tailgate. The licensee retrieved the camera and there was no apparent damage to the device. There are no known exposures resulting from this event. Further information will be provided as it is obtained in accordance with SA- 300."

Notified DHS SWO, DOE, FEMA, HHS, NICC, USDA and EPA. Notified FDA, NuclearSSA and DNDO-JAC via email.

Texas Incident: I-9251

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium

dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 50735

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 01/14/2015 16:15 (EST)	
Licensee: QSA GLOBAL, INC.		**Event Date / Time:** 01/14/2015 13:47 (EST)	
		Last Modification: 01/14/2015	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:** Yes		
County:	**License #:** 12-8361		
State: MA			
NRC Notified by: MEDWELL HILL	**Notifications:**	ART BURRITT	R1DO
HQ Ops Officer: STEVE SANDIN		ANTHONY HSIA	NMSS E
Emergency Class: NON EMERGENCY		PAM HENDERSON	MSTR
10 CFR Section:		ILTAB	EMAIL
AGREEMENT STATE		NMSS EVENTS NOTIFICATIO	EMAIL

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - TWO CATEGORY 2 IRIDIUM SOURCES UNACCOUNTED FOR DURING SHIPMENT

The following information was provided by the Commonwealth of Massachusetts via email.

QSA Global (Shipper) initially provided notification to the Commonwealth of Massachusetts of the following:

"On Tuesday, January 13, 2015, QSA was notified by the customer a routine shipment of two Ir-192 sources from QSA Global, Inc. to Huntington Testing and Technology did not arrive as expected. They (HT&T) contacted the carrier and were told that the shipment could not be located. A trace was initiated. This trace is still actively being pursued by [the carrier's representative] and as of the writing of this email, the shipment is suspected of being at a US Postal Service facility in Charleston, SC."

QSA Global subsequently provided notification to the Commonwealth of Massachusetts of the following:

"Please be advised that QSA has received notification by [the carrier's representative] that the shipment to Huntington Test and Technologies reported missing has been located and physically verified in Memphis, TN at the [shipper's] hub. Additional information will be forthcoming in a followup 30 day report. "

The two Iridium-192 sources are 102.8 Ci (SN: 14381G) and 102.7 Ci (SN: 14382G), respectively shipped in an SC-650L Source Changer (SN: 202). The shipment has no indication of tampering and is currently enroute to HT&T.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Agreement State (AGR) Event # 50805

Rep Org: LOUISIANA RADIATION PROTECTION DIV		**Notification Date / Time:** 02/10/2015 17:17	(EST)
Licensee: QSA GLOBAL		**Event Date / Time:** 02/09/2015	(CST)
		Last Modification: 02/10/2015	
Region: 4	**Docket #:**		
City: BATON ROUGE	**Agreement State:** Yes		
County:	**License #:** LA-5934-L01		
State: LA			
NRC Notified by: JOE NOBLE	**Notifications:**	DON ALLEN	R4DO
HQ Ops Officer: JEFF HERRERA		RAY POWELL	R1DO
Emergency Class: NON EMERGENCY		NMSS_EVENTS_NOTIFICATI	EMAIL
10 CFR Section:			
AGREEMENT STATE			

AGREEMENT STATE - RADIOACTIVE SHIPMENT DELIVERED TO THE WRONG LOCATION

The following information is an excerpt from a report received from the Louisiana Department of Environmental Quality via email:

"On 02/09/2015, the Director of Regulatory Affairs for QSA Global Notified the [Louisiana Department of Environmental Quality] LDEQ about an incident where the common carrier delivered a 'crate/container' of [Radioactive Materials] RAM to the Baton Rouge, LA address that was intended for Seoul, South Korea. The call was received approximately 9:00 am CST at the Department. The caller stated the shipment was Ir-192 wafers/disc that were to be assembled into radioactive sealed sources. [The Director of Regulatory Affairs for QSA Global] stated he believed the shipment involves Category #1 quantities that should be reported.

"The delivery error resulted in a partial shipment bound for Asia being delivered to the Corporation's Baton Rouge, LA location.

"One of the Asia bound containers was 'bound/attached' to the container destined for Baton Rouge location at the Memphis Hub belonging to the common carrier. The other container went on to Asia. The international paperwork would document the partial receipt of the first container and the other when it was delivered. The common carrier was notified of the incorrect delivery. The common carrier was to pick up the Asia container on 02/10/2015 at QSA Baton Rouge facility and take it to the common carrier terminal in Kenner, LA. Then the container would be forwarded to Asia from Kenner, LA.

"Three containers, each having radioactive material in excess of Category 1 quantities were being shipped from the QSA Global Burlington, MA facility. Two were addressed to Seoul, South Korea and one was being shipped to

Baton Rouge, LA. The labeling on one of the Korean containers was not legible or missing and it was bound to the container going to Baton Rouge, LA. After the delivery was made to Baton Rouge and the shipment was being surveyed/assessed it was learned they had received a wrong container and was in excess of the licensed activity for Ir-192.

"The Baton Rouge facility was compliant for the IC principles and Radiation Safety procedures/aspects for the receipt activities. The Department, LDEQ, determined that it would grant an emergency verbal activity increase for this situation. This would hold the radioactive material safe and secure until the common carrier could retrieve the excess material. The NRC, Region IV, was made aware of this situation on 02/09/2015, and the circumstances involving the common carrier error. Region IV was told QSA Global Burlington was going to be making the proper notifications/reports to the regulatory agencies. This was the information provided by [The Director of Regulatory Affairs for QSA Global].

"However, on the morning of 02/10/2015, the NRC Region IV notified LDEQ that a report about this situation could not be located within his agency. [the Director of Regulatory Affairs for QSA Global] was notified and he was unaware the notifications had not been made. He stated he would look into the situation. A call was placed to the Baton Rouge facility around 9:00 am [EST]. At that time, it was learned the common carrier was at the Baton Rouge facility to retrieve the container of radioactive material and forward it to South Korea. At this time LDEQ is still waiting on [The Director of Regulatory Affairs for QSA Global]'s explanation for the notifications not being made.

"A fact finding discussion resulted in a plan of control and containment until the common carrier could take possession of the container.

"LDEQ considers this incident closed."

Louisiana Event Report ID No: LA15004

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Agreement State (AGR) Event # 50820

Rep Org: MA RADIATION CONTROL PROGRAM		**Notification Date / Time:** 02/13/2015 14:35 (EST)	
Licensee: QSA GLOBAL, INC.		**Event Date / Time:** 02/13/2015 12:35 (EST)	
		Last Modification: 02/17/2015	
Region: 1	**Docket #:**		
City: BURLINGTON	**Agreement State:** Yes		
County:	**License #:** 12-8361		
State: MA			
NRC Notified by: JOSHUA E. DAEHLER	**Notifications:**	RAY POWELL	R1DO
HQ Ops Officer: STEVE SANDIN		SCOTT MOORE	NMSS
Emergency Class: NON EMERGENCY		LAURA DUDES	NMSS
10 CFR Section:		BERNARD STAPLETON	IRD
AGREEMENT STATE		NMSS_EVENTS_NOTIFICATI	EMAIL

This material event contains a "Category 1" level of radioactive material as defined in IAEA RS-G-1.9

AGREEMENT STATE REPORT - CAT 1 IRIDIUM-192 SHIPMENT LOST/FOUND DURING TRANSIT

The following information was received from the Commonwealth of Massachusetts:

"QSA Global reported that [the common carrier] has initiated a trace of the shipment or packages to find the missing materials.

"Abstract:

"At 12:35 p.m. February 13th, the licensee (QSA Global, Inc.) made a telephone notification to the Massachusetts Radiation Control Program.

"At 9:30 a.m. February 13th, QSA Global, Inc. was notified by [the common carrier] that a shipment of 6 packages was missing and that [the common carrier] had initiated a trace on the shipment or packages.

"QSA Global reported [the common carrier] stated that the packages were last observed by [the common carrier] to be at [their] facility on Thursday, February 12th.

"The total activity of all 6 packages was reported by QSA Global to be 73,000 curies of Iridum-192.

"QSA Global described the packages to each be Model 702 bulk shipping containers. Two of the packages each contain four Model 849 special form capsules and four of the packages each contain three Model 849 special form capsules. All special form capsules contain iridium-192 wafers. QSA Global reported that it was not certain whether or not the six packages were together or separated at the [common carrier] facility.

"QSA Global reported that the shipment originated from the Netherlands and was intended for delivery to their QSA Global's Burlington, MA facility.

"The reporting requirement is immediate. 105 CMR 120.281(A)(1), missing licensed radioactive materials in aggregate quantity equal to or greater than 1,000 times quantity specified in 105 CMR 120.297, Appendix C."

* * * UPDATE AT 1515 EST ON 02/13/15 FROM JOSHUA E. DAEHLER TO S. SANDIN * * *

"The Agency (Massachusetts Radiation Control Program) was notified at 3:15 p.m. today by our licensee (QSA Global, Inc.) that the iridium-192 missing sources had been located at [common carrier hub] and are under their control .

Notified NMSS (Dudes), IRD (Stapleton), R1DO (Powell) and NMSS Event Notification via email.

Notified the following Federal Agencies: DHS SWO, DOE Ops Center, FEMA Ops Center, HHS Ops Center, NICC Watch Officer, USDA Ops Center, EPA EOC, FDA EOC, FEMA NWC (email), Nuclear SSA (email) and, DNDO-JAC (email).

* * * UPDATE AT 1428 EST ON 02/17/15 FROM EDWARD SALOMON VIA EMAIL * * *

"The licensee (QSA Global, Inc.) notified our Agency [Massachusetts Radiation Control] (email message, dated 2/16/2015) that the formerly missing packages were physically delivered to their QSA Global, Inc. facility in Burlington , MA on Monday, 2/16/2015.

"The Agency considers this matter to still be OPEN pending follow-up report from licensee. The licensee is expected to file a written report to our agency within 30 days of the immediate notification related to 105 CMR 1281 (A)(1), an immediate report."

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

THIS MATERIAL EVENT CONTAINS A "CATEGORY 1" LEVEL OF RADIOACTIVE MATERIAL

Category 1 sources, if not safely managed or securely protected would be likely to cause permanent injury to a person who handled them, or were otherwise in contact with them, for more than a few minutes. It would probably be fatal to be close to this amount of unshielded material for a period of a few minutes to an hour. These sources are typically used in practices such as radiothermal generators, irradiators and radiation teletherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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Non-Agreement State Event # 42819

Rep Org: ALASKA INDUSTRIAL X-RAY, INC		**Notification Date / Time:** 08/31/2006 14:36 (EST)	
Licensee: ALASKA INDUSTRIAL X-RAY, INC		**Event Date / Time:** 08/31/2006 10:30 (YDT)	
		Last Modification: 03/20/2007	
Region: 4	**Docket #:**		
City: ANCHORAGE	**Agreement State:**	No	
County:	**License #:**		
State: AK			
NRC Notified by: PETE MILLAR	**Notifications:**	MICHELLE BURGESS	NMSS
HQ Ops Officer: JASON KOZAL		CHUCK CAIN	R4
Emergency Class: NON EMERGENCY			
10 CFR Section:			
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X			

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

LOST RADIOGRAPHY CAMERA ON WAKE ISLAND

The licensee reported a loss of a 10 Ci [based on source decay starting December of 2005] IR-192 radiography camera on Wake Island. In preparation for evacuation of the island on 8/29/2006 the camera was loaded in a type B(U) storage container. On 8/30/2006 Super Typhoon Yoke made land fall on Wake Island producing 150 mph winds and 30 - 40 ft storm surge. The status of the camera is unknown due to the uncertain condition of Wake Island. There currently is no information of the habitability of Wake Island and thus it is uncertain when a search can be conducted.

The licensee will update the status of the material as more information becomes available.

* * * UPDATE ON 09/25/06 AT 1300 ET BY PETE MILLAR TO MACKINNON * * *

Per Pete Millar the US NAVY landed on Wake Island and the CONEX shipping container, in which the Industrial Nuclear Radiography Camera is stored, is still on the island and it has not been opened. In about 2 weeks a barge will leave Wake Island to ship the CONEX shipping container back to Alaska Industrial X-Ray. Mr. Millar said that they should have Industrial radiography camera back in their possession in about 3 weeks.

R4DO (Zach Dunham) & NMSS EO (Greg Morell) notified.

* * * UPDATE ON 03/20/07 AT 1346 EDT FROM PETE MILLAR TO MACKINNON * * *

Alaska Industrial X-Ray, regained possession of their radiography camera on 12/15/06.

R4DO (Greg Pick) & FSME (Greg Morell) notified.

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.

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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Non-Agreement State Event # 43328

Rep Org: ACUREN - USA	**Notification Date / Time:** 04/30/2007 15:49 (EST)
Licensee: ACUREN - USA	**Event Date / Time:** 04/30/2007 14:00 (CDT)
	Last Modification: 04/30/2007
Region: 4	**Docket #:**
City: LAPORTE	**Agreement State:** Yes
County:	**License #:** 42-32443-01
State: TX	
NRC Notified by: LLOYD GRAY	**Notifications:** NEIL O'KEEFE R4
HQ Ops Officer: BILL HUFFMAN	GREG MORELL FSME
Emergency Class: NON EMERGENCY	BENJAMIN SANDLER TAS
10 CFR Section:	JEFFREY CRUZ IRD
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X	HASELTON DHS
	MORRONY DOE
	SNODEN EPA
	GILES USDA
	WILLIAMS HHS
	FULLER FEMA

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

RADIOGRAPHY CAMERA MISSING IN TRANSIT

The licensee's RSO reports that a Sentinel Model 880 delta radiography camera containing a 31 curie Iridium-192 source is missing in transit. The camera was shipped with two other radiography cameras from Anchorage Alaska on April 24, 2007. The cameras were being sent to QSA Global in Baton Rouge, Louisiana for source replacement. Two of the cameras arrived at QSA Global as scheduled on April 26, 2007. However, the third camera has not yet arrived as of the time of this report. The shipper is Federal Express. Each camera was assigned a separate FedEx tracking number but all three cameras were shipped at the same time. The RSO is attempting to track the package but has not yet received priority attention. The FedEx tracking system still shows the package in transit at Oakland CA. The RSO was not notified of the missing shipment by QSA Global until approximately 1400 CDT on 4/30/07.

* * * UPDATE FROM GRAY TO HUFFMAN AT 1814 EDT ON 4/30/07 * * *

The licensee reports that after a high priority trace by FedEx, the package was confirmed to still be in Oakland CA. FedEx stated that the camera will be sent onto Baton Rouge tonight. The licensee no longer considers the shipment missing. R4DO (O'Keefe), FSME (Morell), IRD(Cruz), and ILTAB (Sandler) notified. Applicable Federal Agencies have also been made.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be

fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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General Information (GEN) Event # 45155

Rep Org: MATTINGLY TECH SERVICES	**Notification Date / Time:** 06/24/2009 10:37 (EDT)		
Licensee: MATTINGLY TECH SERVICES	**Event Date / Time:** 06/22/2009 (MDT)		
	Last Modification: 06/24/2009		
Region: 4	**Docket #:**		
City: MOLT	**Agreement State:** No		
County:	**License #:** 252147901		
State: MT			
NRC Notified by: RAY SIERRA	**Notifications:** DALE POWERS	R4DO	
HQ Ops Officer: DAN LIVERMORE	JACK FOSTER	FSME E	
Emergency Class: NON EMERGENCY	ANGELA MCINTOSH	FSME D	
10 CFR Section:			
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X			

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

RADIOGRAPHY CAMERA TEMPORARILY LOST

On June 22, 2009, the licensee placed an INC IR-100 radiography camera on the tailgate of his work truck. The radiography camera contained a 54 curie Ir-192 source. The camera was not secured on the truck and the tailgate remained in the open position. When he arrived at the job site 25 minutes later he realized the camera had fallen off the truck. In order to look for the camera, the licensee proceeded back along the same route he had taken to the work site. The licensee noticed a police vehicle travelling on the same remote rural road. He stopped the police vehicle for assistance and discovered that the police officer had coincidentally just recovered the camera from a passerby. A passerby had found the camera on the road and contacted the police. The camera was not damaged. There was no personal exposure as a result of this event. The camera was out of the licensee's possession for approximately one hour.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy.

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Non-Agreement State Event # 45773

Rep Org: ACCURATE NDE & INSPECTION		**Notification Date / Time:** 03/17/2010 14:35 (EDT)	
Licensee: ACCURATE NDE & INSPECTION		**Event Date / Time:** 03/17/2010 12:10 (CDT)	
		Last Modification: 03/17/2010	
Region: 4	**Docket #:**		
City: BROUSSARD	**Agreement State:** Yes		
County:	**License #:** LA-10207-L01		
State: LA			
NRC Notified by: EDDIE STELLY	**Notifications:**	WAYNE WALKER	R4DO
HQ Ops Officer: JOHN KNOKE		CHUCK CAIN	R4
Emergency Class: NON EMERGENCY		ANGELA MCINTOSH	FSME D
10 CFR Section:		ILTAB (e-mail)	
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X		MEXICO Fax	

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

LOSS OF SEVEN CURIE SOURCE FROM RADIOGRAPHY CAMERA

The licensee was conducting non-destructive testing (radiography camera x-ray) on an oil platform in the Gulf of Mexico. While the radiography was taking place at night, over grating, the pigtail disconnected from the camera and dropped through the grating into the Gulf of Mexico. The area where the source fell is about 6 miles from shore, East Cam 33 CS, and the depth of the water was about 40 feet. Licensee is not going to try to retrieve the source.

The camera source is 7 Ci of Ir-192, s/n QD-1302. The camera is a Spec 150, s/n 814.

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

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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General Information (GEN) Event # 46757

Rep Org: TEAM INDUSTRIAL SERVICES		**Notification Date / Time:** 04/15/2011 14:42	(EDT)
Licensee: TEAM INDUSTRIAL SERVICES		**Event Date / Time:** 04/15/2011	(EDT)
		Last Modification: 04/15/2011	
Region: 3		**Docket #:**	
City: HAMMOND		**Agreement State:** No	
County:		**License #:** 42-32219-01	
State: IN			
NRC Notified by: DAVE TEBO		**Notifications:** STEVE ORTH	R3DO
HQ Ops Officer: HOWIE CROUCH		KATHLEEN O'DONOHUE	R2DO
Emergency Class: NON EMERGENCY		LAURA PEARSON	ILTAB
10 CFR Section:		WILLIAM GOTT	IRD
20.2201(a)(1)(i) LOST/STOLEN LNM>1000X		ADELAIDE GIANTELLI	FSME E

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

RADIOGRAPHY CAMERA LOST DURING SHIPPING

On 4/13/11, two radiography cameras were picked up by the shipper from the licensee facility in Hammond, IN. The cameras were being sent to QSA in Baton Rouge, LA. On 4/14/11, one camera arrived at QSA while the other was still shown in the shipper's hub in Memphis, TN. On 4/15/11, the licensee contacted the shipper when tracking indicated that the camera was still in Memphis. The shipper could not find the package and is conducting a search of the facility at this time.

The missing camera is a QSA 8880D, serial no. D4264 and contains a 15.9 Ci Ir-192 source, serial no. 66411B.

* * * UPDATE FROM DAVID TEBO TO JOHN KNOKE AT 1545 EDT ON 04/15/11 * * *

At 1540 EDT, the licensee was notified by the shipper that the missing camera was returned to the licensee's office in Hammond, IN. The licensee confirmed that the missing camera is now at their office, the source is in the camera, and the serial number matches. Licensee is investigating this matter further.

Notified R2DO (O'Donohue), R3DO (Orth), ILTAB (Pearson), IRD MOC (Gott), and FSME EO (Giantelli)

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

Although IAEA categorization of this event is typically based on device type, the staff has been made aware of the actual activity of the source, and after calculation determines that it is a Category 3 event.

Note: the value assigned by device type "Category 2" is different than the calculated value "Category 3"

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Agreement State Event # 50521

Rep Org: SHAW PIPELINE SERVICES, INC.		**Notification Date / Time:** 10/08/2014 18:53 (EDT)	
Licensee: SHAW PIPELINE SERVICES, INC.		**Event Date / Time:** 10/08/2014 16:00 (CDT)	
		Last Modification: 10/11/2014	
Region: 4		**Docket #:**	
City: BROKEN ARROW		**Agreement State:** Yes	
County:		**License #:** 35-23193-03	
State: OK			
NRC Notified by: SHANE OWENS		**Notifications:** DON ALLEN	R4DO
HQ Ops Officer: DONG HWA PARK		LAURA DUDES	NMSS
Emergency Class: NON EMERGENCY		ROBERT BUNCH	ILTAB
10 CFR Section:		BERNARD STAPLETON	IRD
37.81(b)	LOST/MISSING CAT 2 RAD MATL IN TRANSIT	FSME EVENTS RESOURCE	EMAIL

This material event contains a "Category 2" level of radioactive material as defined in IAEA RS-G-1.9

LOST RADIOGRAPHY CAMERA DURING SHIPMENT

The licensee had two SPEC-150 radiography cameras shipped from their job site in Morgan Hill, California on 9/30/2014 to their office in Broken Arrow, Oklahoma. One of the radiography cameras arrived at the destination, but as of 10/1/14, the last known location of the second camera was in Memphis, Tennessee. The licensee contacted the common carrier's customer service and the dangerous goods department to locate the shipment. According to the dangerous goods department supervisor, the common carrier is investigating a radiation alarm at one of their dumpsters which may contain the radiography camera. The licensee will follow up with the common carrier on the morning of 10/9/14 to receive a status of their search.

The lost SPEC-150 radiography camera contains less than 57 curies of Ir-192. The licensee has notified the State of Oklahoma.

Notified DHS SWO, DOE Ops Center, FEMA Ops Center, HHS Ops Center, NICC Watch Officer, USDA OPS Center, EPA EOC, FDA EOC, Nuclear SSA, FEMA National Watch Center, and DNDO-JAC.

* * * UPDATE FROM SHANE OWENS TO HOWIE CROUCH (VIA EMAIL) ON 10/9/14 AT 0902 EDT * * *

The licensee provided the shipper's declaration for dangerous goods, the shipping label, and tracking information from the shipper. They will continue communications with the common carrier and provide updates as necessary.

The State of Oklahoma has notified the Tennessee State Radiation Protection Program.

Notified R4DO (Allen), NMSS (Dudes), ILTAB (Bunch), IRD (Stapleton) and FSME Events Resource email.

* * * UPDATE FROM SHANE OWENS TO DONALD NORWOOD ON 10/9/2014 AT 1214 EDT * * *

The licensee was informed by the common carrier that the search of their dumpster revealed that the radiography camera was not in the dumpster. The common carrier told the licensee that they had enlisted more personnel and had stepped up their search for the package containing the radiography camera.

Notified R4DO (Allen), NMSS (McCartin), ILTAB (Hahn), IRD (Stapleton) and FSME Events Resource email.

* * * UPDATE FROM KEVIN SAMPSON TO DONALD NORWOOD ON 10/9/2014 AT 1402 EDT * * *

The following information was received via e-mail from the Oklahoma Department of Environmental Quality:

"On September 30, 2014, a package containing 57 Ci of Ir-192 was shipped from California to Shaw Pipeline Services, OK license OK-23193-02. The package was scheduled to arrive in Oklahoma on October 3, 2014. On October 6, 2014, it was discovered that the package still had not arrived. On October 6, 2014, Shane Owens [licensee RSO] contacted [the common carrier] to start looking for the package. On October 7, 2014 [the common carrier] began a search. [The common carrier] identified that the package entered Memphis [common carrier's] Hub on October 1, 2014, but did not leave. [The common carrier] identified a dumpster that caused radiation alarms to alert. At that time, [the common carrier] did not have the proper tools or personnel to handle the package, but they will contact Shaw Pipeline on October 9, by 0900 CDT to announce their findings.

"Object in the dumpster has been identified and is not the missing radiographic device."

Notified R4DO (Allen), NMSS (McCartin), ILTAB (Hahn), IRD (Stapleton) and FSME Events Resource email.

* * * UPDATE FROM SHANE OWENS TO DONALD NORWOOD ON 10/11/2014 AT 1653 EDT * * *

The radiography camera has been found at the common carrier's facility in San Jose, California where it had been originally dropped off for shipment. As of 1300 PDT on 10/11/2014, Shaw Pipeline Services has retaken possession of the radiography camera and verified that the radioactive source is in a safe condition.

Notified R4DO (Allen), NMSS (Dudes), NMSS (McCartin), ILTAB (Hahn), IRD (Stapleton) and FSME Events Resource email.

Notified DHS SWO, DOE Ops Center, FEMA Ops Center, HHS Ops Center, NICC Watch Officer, USDA OPS Center, EPA EOC, Notified the following via E-mail only: FDA EOC, Nuclear SSA, FEMA National Watch Center, and DNDO-JAC.

THIS MATERIAL EVENT CONTAINS A "CATEGORY 2" LEVEL OF RADIOACTIVE MATERIAL

Category 2 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 a short time (minutes to hours). It could possibly be fatal to be close to this amount of unshielded radioactive material for a period of hours to days. These sources are typically used in practices such as industrial gamma radiography, high dose rate brachytherapy and medium dose rate brachytherapy. For additional information go to http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf

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