NRC FORM 313 U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY ONB: NO. 3150-0120 EXPIRES: 3/31/201
(3-2009) 10 CER (0) 20 30	Estimated burden per response to comply with this mandatory collection request: 4.
34, 35, 39, 39, and 40	hours. Submittal of the application is necessary to determine that the applicant i qualified and that adequate procedures exist to orelact the public health and eafer
	Send comments regarding burden estimate to the Records and FOIA/Privacy Sarvice
	Branch (1-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 2055-0001 or by Internet e-mail to Infocollecta.resource@nrc.gov, and to the Desk Officer, Officer.
APPLICATION FOR MATERIALS LICENSE	Information and Regulatory Affairs, NEOB-10202, (3150-0120). Office of Management and Budger, Washington, DC 20503. If a means used to impose an information
	collection does not display a currently valid OMB control number, the NRC may no
	collection.
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION	GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION
SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:	IF YOU ARE LOCATED IN:
OFFICE OF FEDERAL & STATE MATERIALS AND	ILLINDIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OMO, OR WISCONSIN, SEM APPLICATIONS TO:
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS	
WASHINGTON, DC 20555-0001	
b ()]	U.S. NUCLEAR REGULATORY COMMISSION, REGION III
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: M. J. J.	2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 80532-4352
IF YOU ARE LOCATED IN:	
	ALASKA ARIZONA ARKANSAS GALIGORINA COLORADO NAWAN IDANO KANSAS
ALABAMA, CONNECTICOT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,	LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH
NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTI CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA	H DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:
SEND APPLICATIONS 10:	
LICENSING ASSISTANCE TEAM	NUCLEAR MATERIALS LICENSING BRANCH
DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I	U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 812 E. LAMAR GOULEVARD, SUITE 400
475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1415	ARLINGTON, YX 76011-4125
RING OF FRUEDIN, FA 15000-1415	AD DECINATORY COMMISSION ONLY IS THEY WICH TO DORE FOR AND ME I MEMORY
MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REQULATORY COMMISSION JURISON	Chons,
THIS IS AN APPLICATION FOR (Check appropriate item)	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)
A NEWLICENSE 0'SO 560 U	Brayman Construction Corporation
F AMENOMENT TO LICENSE NUMBER 37-30880-01	1000 John Roebling Way
	Saxonburg, PA 16056
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
Brayman Construction Corporation	
406 Riverside Drive	Gary E. Tellish, CSP, RSO
Hinton, WV 25951	TELEPHONE NUMBER
	(774) 443-1533
	(724) 445-1555
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORM	ATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.
 RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maiximum amount 	6. PUKPOSE(6) FOR WHICH LICENSED MATERIAL WILL BE USED.
which will be possessed at any one time.	
 INDIVIDUAL(6) RESPONSIBLE FOR RADIA/JON SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE. 	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
9. FACILITIES AND EQUIPMENT.	10. HADIATION SAFETY PROGRAM.
	12. LICENSE FEES (See 10 CFR 170 and Section 170 91)
11. WASTE MANAGEMENT.	
13. CERTIFICATION. (Must be completed by spalicant) "THE APPLICANT UNDERSTANDS TH	AT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE RINDING
JPON THE APPLICANT	
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 3	F THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAY THIS APPLICATION IS PREPARED IN 24, 35, 39, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND
CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.	
ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN	UTS JURISDICTION
CERTIFYING OFFICER TYPED/PRINTED NAME AND TITLE	SIGNATURE CAR OUT
Scott Dodds, Executive vice President	Just Monthe 09/30/2011
	UNINDER COMMENTS
	e
	-
NRC FORM 313 (3,4009)	
	- K71. Λ19
	NINGS/BONT MATERIALS
BARYMANBLUESTONE 20 32	04/2011 11:35 3044668043

Reviewer Checklist for Fixed Gauge Application

ITEM 1: ACTION TYPE

ACTION TYPE:	ADMINISTRATIVE REVIEW:
[] New	[] Current Guidance Used
[4] Amendment	[] References in Application Based On
[] Renewal	Current Regulations
	[] All Attachments Referenced Included
	[] Signature on Application

ITEM 2: LEGAL IDENTITY

NARE 3		
NAME: Krayman	Construction Co	

ITEMS 2 & 3: ADDRESS

LOCATION OF USE/STORAGE	MAILING ADDRESS:
ADDRESS:	1000 John Rue bling wey
406 fivenside Drive	SEXANGUE A.
it inton WV 2951	16056

ITEM 4: PERSON TO BE CONTACTED ABOUT THIS APPLICATION

CONTACT PERSON:	Gary E Tellish CSP. RSO
TELEPHONE NUMBER:	724-443-1533

Yes	Na	Radioisotope	Model No.	Quantity	Use As Listed on (SSD-Centificate	SpecifyOther Uses Not Eistee on SSD Certificate
		Cobalt-60	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable
		Krypton-85	Sealed source manufacturer or distributor and model number Device/jp manufacturer or distributor and model number	Not to exceed either the maximum activity per source or maximum activity per device asspecified in Scaled Source and Device Registration. Certificate	Yes Specific:description of the gauge use f	I Not applicable
	V	Strontium-90	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable
		137 137 137 137 137 137 137 137 137 137	Sealed source manufacturer.or distributor and a model number ST ISTRC Device manufacturer/or distributor and inodel number SIRC	Notice exceed either the maximum activity per source or maximum activity perdevice as specified in Sealed Source and Device Registration Certificate	Specific descriptions of the gauge use ale - Contection Delay they Contection the contection Delay they Contection the contect	Not applicable

Table D.1 Items 5 and 6: Materials to Be Possessed and Uses

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Ye	Not in	Radioisotope	Model No.	Quantity 1	Use As Listed on SSD Certificate	Specify Other Uses Not Eisted on SSD Certificate
	7	Americium- 241	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [] Specific description of the gauge use:	[] Not applicable [] Uses are:
		Other Isotope (Specify):	Scaled source manufacturer or distributor and model number Pevice manufacturer or distributor and model number:	Notito exceed either the maximum activity persource or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes Fil Specific description of the gauge use	1 Notapplicable

Table D.2 Items 7 Through 11: Training and Experience, Facilities and Equipment, Radiation Safety Program, and Waste Management

			Ap B	plig fsp	antis onse -	
	Item Number and Title	Suggested Response			Ot	ner
		的名称事务和非可能起来的原因			Yes	No
7.	Individual(s) Responsible for Radiation Safety Program and their Training and Experience	Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Criteria in the section entitled "Radiation Safety Officer," in NUREG-1556, Vol. 4 dated August 1998.	$\sum_{i=1}^{n}$			
7.1	Radiation Safety Officer (RSO)	AND				
Nai	me: Cary E Tellia	Before being named as the RSO, future RSOs will have successfully completed the training described in Criteria in the section entitled "Radiation Safety Officer," in NUREG-1556, Vol. 4, dated August 1998. Within 30 days of naming a new RSO, we will submit the new RSO's name to NRC to include in our license.	$\langle \cdot \rangle$			

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		Appli Rest	cant's
Iten Number and Title	Suggested Response	Nes No	Other
			Yes No
7. Individual(s) Responsible	Optional Response		
for Radiation Salety Program and their	Criteria for Acceptable Training Course for Radiation		
Training and Experience	Safety Officer		
7.1 Radiation Safety Officer	Classroom Training:		
(RSO)	- Padiation Sofuty		
(Cont ^a)	S Radiation vs contamination		
	S Internal vs. external exposure		
	S Biological effects of radiation	1	
	S Types and relative hazards of radioactive		
	material possessed		
	S ALARA concept		
	S Ose of time, distance, and shielding to minimize		
	S Locations of sealed source within the gauge		
	S Use of survey meters and personal dosimetry,		
	when required		
	Regulatory Requirements		
	S Applicable regulations	106.4	
	S Locations of use and storage of radioactive		
	materials		
	S Material control and accountability		
	S Annual audit of radiation safety program		
	S Transfer and disposal		
	S Recordkeeping		
	S Prior events involving fixed gauges		
	S Recognizing and ensuring that radiation		
	warning signs are visible and legible		
	S Licensing and inspection by regulatory agency		
	S Need for complete and accurate information		
	S Employee protection		
	S Deliberate misconduct		
	Practical Explanation of the Theory and Operation		
	for Each Gauge Possessed by the Licensee		
	5 Operating and emergency procedures		
	S Koutine vs. non-routine maintenance		
	J Lock-out procedules		

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		Aopli Resp	ant's onse	
Item Number and Title	Suggested Response		Oth	er
	[14] <u>14] 14] 14] 14] 14] 14]</u> 14] 14] 14] 14] 14] 14] 14] 14] 14] 14]		Yes	No
 Individual(s) Responsible for Radiation Safety Program and their Training and Experience Radiation Safety Officer 	 Supervised "Hands-On" Experience performing S Operating procedures S Test runs of emergency procedures S Routine maintenance S Lock-out procedures 			
(RSO) (Cont'd)	Training Assessment			
	Course Instructor Qualifications:			
	 Bachelor's degree in a physical or life science or engineering with successful completion of both a fixed gauge manufacturer's or distributor's course for users and an 8 hour radiation safety course and 8 hours hands-on experience with fixed gauges 			
	OR			
	 Successful completion of a fixed gauge manufacturer's or distributor's course for users Successful completion of 40 hour radiation safety course 30 hours of hands-on experience with fixed gauges. 			
	Note: Additional training is required for those applicants intending to perform non-routine operations.			
7 Individual(s) Responsible for Badiatiun Safety Program and their Training and Experience 7.2 Authorized Users	Proposed Anthorized Users Jeneral Second C Before using licensed materials, authorized users will have successfully completed the training described in Critegia in the section entitled #Authorized Users," in NUREO 1356, Vol. 4, dated August 1998;	<u>V</u> V		

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		Apple Resp	cauffs onsee
Item Number and Title	Suggested Response.	Yes No	Other
			Yes No
7 Individual(s) Responsible for Radiation Safety Program and their Training and Experience	Optional Response Classroom Training: • Radiation Safety		
7.2 Authorized Users (Cont'd)	 S Radiation vs. contamination S Internal vs. external exposure S Biological effects of radiation S Types and relative hazards of radioactive material possessed S ALARA concept S Use of time, distance, and shielding to minimize exposure S Location of sealed source within the gauge S Use of survey meters and personal dosimetry, when required 		
	 Regulatory Requirements S Applicable regulations S License conditions, amendments, renewals S Locations of use and storage of radioactive materials S Material control and accountability S Annual audit of radiation safety program S Transfer and disposal S Recordkeeping S Prior events involving fixed gauges S Handling incidents S Recognizing and ensuring that radiation warning signs are visible and legible S Licensing and inspection by regulatory agency S Need for complete and accurate information S Employee protection S Deliberate misconduct 		
	 Practical Explanation of the Theory and Operation for Each Type of Gauge that may be used by the Authorized User S Operating and emergency procedures S Routine vs. non-routine maintenance S Lock-out procedures 		

D-6

		Appli	Ant's Ouse	
Item Number and Title	Suggested Response		Qtb	er
			Yes	No
	 Supervised Hands-on Experience Performing S Operating procedures S Test runs of emergency procedures S Routine maintenance S Lock-out procedures 	X. X.		
7 Individual(8) Responsible	Training Assessment			
Program and their	Course Instructor Qualifications:			
Training and Experience 7.2 Authorized Users (Cont'd)	 Bachelor's degree in a physical or life science or engineering with successful completion of both a fixed gauge manufacturer's or distributor's course for users and an 8 hour radiation safety course and 8 hours hands-on experience with fixed gauges 			
	OR			
	 Successful completion of a fixed gauge manufacturer's or distributor's course for users Successful completion of 40 hour radiation safety course 30 hours of hands-on experience with fixed gauges Note: 			
	 Individuals who in the course of employment are likely to receive occupational doses of radiation in excess of 1 mSv (100 mrem) in a year must receive training pursuant to 10 CFR 19.12. Additional training is required for those applicants requesting to perform non-routine operations. 			
8 Training for Individuals Who in the Course of Employment are Likely to Receive Occupational Doses of Radiation in Excass of ImSy (100, interp) in a Year (Occupationally Exposed Workers) and Aneillary	The applicant is not required to and should not; submit its mining program; for individuals who in the course of employmentare/likely to receive occupational doses of radiation excess of 1-mSs (200 upen) in a year (occupationally exposed workers) and annillary personnel, to the NRC for review during the licensing phase	Need(Not# Submitted & Application	9 NGC 201	
Personnel				4 S

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		Applie Resp	ant s	
Item Number and Title	Suggested Response		Oth	er
	1. 花子 医心心 医生产的 化化化		Yes	No
9 Facilities and Equipment	We will ensure that the location of each fixed gauge meets the Criteria in section entitled "Facilities and Equipment," in NUREG-1556, Vol. 4, dated August 1998.	Y.		
	OR			
	Confirm that the fixed gauge is secured to prevent unauthorized removal or access; and submit specific information supporting the new conditions demonstrating that they will not impact the safety or integrity of the source or device. Address any instances where the proposed conditions exceed any conditions listed in the SSD Registration Certificate			
	Optional Response			
	 The area corresponds to the "Conditions of Normal Use" and "Limitations and/or Other Considerations of Use" on the SSD Registration Certificate The fixed gauge is secured to prevent unauthorized removal (e.g., located in a locked room, permanently mounted, or chained and locked to a storage rack) 			
10 Badiation Safety Brogram - Audit Program	The applicant is not required to, and should not, submit its audit program to the NRC for review during the list licensing phase	Need Nor B Submitted w	e vith	

Item Number and Title Suggested Response Other 10 Radiation Safety Program - Instruments Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys." OR We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and one of the following: • • Each survey meter will be calibrated by the	
Yes 10 Radiation Safety Program - Instruments Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys." OR We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and one of the following: Each survey meter will be calibrated by the 	r
10 Radiation Safety Program - Instruments Surveys pursuant to 10 CFR 20.1501 will be performed by a person specifically authorized by the NRC or an Agreement State to perform these surveys." OR We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and one of the following: • Each survey meter will be calibrated by the	No
OR We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and one of the following: • Each survey meter will be calibrated by the	
 We will use instruments that meet the Criteria in the section entitled "Radiation Safety Program - Instruments," in NUREG-1556, Vol. 4, dated August 1998, and one of the following: Each survey meter will be calibrated by the 	
Each survey meter will be calibrated by the	
manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations.	
OR	
• We will follow the model survey instrument calibration program in Appendix I to NUREG- 1556, Vol. 4, dated August 1998.	
Optional Response	
The applicant may provide a description of an alternate method to perform surveys pursuant to 10 CFR 20.1501.	
10 Radiation Safety If required to do surveys pursuant to 10 CER 20.1501 Program - Instrument and requesting to calibrate their own survey meters Calibration We will implement the model survey instrument calibration program published in Appendix 1.05 If required to do surveys pursuant to 10 CER 20.1501	

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			pplic Respi	antis mse	
Hem Number and Tille	Suggested Response	Yes	No	Oth Yes	er No
10 Radiation Safety	Optional Response				1
Program - Instrument Calibration (Cont'd)	 Training and experience of individual performing calibration. Description of facilities, equipment Specify calibration source radionuclide, activity, traceability (source activity sufficient to provide a dose rate of at least 30 mR/hr at 100 cm, similar in energy to gauge sources. NIST traceable) Specific procedures for calibration Calibration report Calibration tag, sticker: Source for each scale or decade not calibrated, indication checked for function only or scale not operative 				
	S due date				
	 S exposure rate from check source if used Maintain calibration records for 3 years 				
40 Radiation Safety Programs Material Receipt and Accountability	Physical inventories will be conducted at intervals not to exceed 6/months or at other intervals as approved by the NRC, to account for all scaled sources and devices received and possessed under the license. Optional Response A description of the procedures for ensuring that not fixed gauge has been lost; stolen, or misplaced and how often the will be epidured.				
10 Radiation Safety Program - Occupational Dosimetry	We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program - Occupational Dosimetry," in NUREG-1556, Vol. 4, dated October 1998. Optional Response Alternative response demonstrates compliance with 10 CFR Part 20 requirements	$\chi_{1} = 1$			

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			A L	pplica Respon	nt's ise	
	Item Number and Title, 5	Suggested Response	Yes	No.	Oth	er
10	Radiation Safety Program - Public Dose	The applicant is not required to submit a response to public dose section during the licensing phase. Documentation demonstrating compliance will be examined during inspection.	Need N Submit Applics	lot Be ted win	(es th	No
	Rodintion Safety Reogram - Operating & Emergency Procedures	The gaues meets one or more of the sale seconditions specified in "Discussion," in the section entitled Radiation Salety Program - Operating Emergency Procedures," in MUREC 1656, Wol A dated October, 1995, state the following: Operating and emergency procedures will be developed, implemented and maintained and will meetshe Criteriain the section entitled 'Radiation Salety-Brogram - Operating and Emergency Procedures," in NUREC-1556, Yol, dudated October 1998.	$\dot{\mathcal{Y}}_{n}$.			
		For each gauge requested that does not meet one of more of the safety couditions specified on "Discussion," inthe section entitled Radiation Safety Program Operating Emergency Procedures," in NUREG 1556. Vol. 4. dated October 1998 provide your operating, emergency and lock-out (if applicable) procedures to NRC for review				

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		Appli Resp	aptis onse
Item Number and Title	Suggested Response		Other
			Yes No
10 Radiation Safety Program - Operating & Emergency Procedures (Cont'd)	 Optional Response For each type of gauge: Operating Procedures S Instructions for operating the gauge S Instructions for performing routine cleaning and maintenance according to the manufacturers' or distributors' recommendations and instructions S Instructions for testing each gauge for the proper operation of the on/off mechanism (shutter) and indicator, if any, at intervals not to exceed 6 months or as specified in the SSD certificate S Instructions for lock-out procedures, if applicable, that are adequate to ensure that no individual or portion of an individual's body can enter the radiation beam. S Instructions to prevent unauthorized access, removal, or use of fixed gauges S Steps to take to keep radiation exposures ALARA S Steps to maintain accountability (i.e., physical inventory) S Instructions to ensure that non-routine operations such as installation, initial radiation survey, repair, and maintenance of components 		Yes No
	related to the radiological safety of the gauge, gauge relocation, replacement and disposal of sealed sources, alignment, or removal of a gauge from service are performed by the manufacturer, distributor or person specifically authorized by the NRC or an Agreement State S Steps to ensure that radiation warning signs are		
	present, visible, and legible		

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		Appli Resp	gant's onse
Ltem Number and Titls	2 Suggested Response	Xes No	Other Yes No
10 Radiation Safety Program - Operating & Emergency Procedures (Cont'd)	 Emergency Procedures: Stop use of the gauge Restrict access to the area Contact responsible and individuals (Telephone numbers for the RSO, authorized users, the gauge manufacturer or distributor, fire department, or other emergency response organization, as appropriate, and the NRC should be posted or easily accessible) Do not attempt repair or authorize others to attempt repair of the gauge except as specifically authorized in a license issued by the NRC or an Agreement State Require reporting to NRC pursuant to 10 CFR 20.2201-20.2203, 10 CFR 30.50, and 10 CFR 21.21 Take additional steps, dependent on the specific situations. 		
	 Note: Copies of operating and emergency procedures provided to all gauge users Post copies of operating and emergency procedures at each location of use or post a notice describing where procedures may be examined. 		
10 Badiation Safety Riogram Leak Tests	 Leak tests will be performed at intervals approved by the NRC or an Agreement State and Specified in the SSD Registration Certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test intervented at by an organization authorized by NRC or an Agreement State to provide leak test is to other licensees and according to the lotsupplied's instructions. Records of leak test results will be maintained. We will implement the model leak test program gublished in Appendix Mito NUREGA(556, Vol. 4). 		

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		Applie	aut:s onse	
Ltem Number and Title	Suggested Response		Oth	ег
			Yes	No
10 Radiation Safety	Optional Response			
Program - Leak Tests	 Identify the individual who will make the analysis: 			
	their training and experience			
	Leak test frequency as specified in the appropriate Scaled Source and Davies Resistantics Costificate			
	 How and where test samples taken; materials to be 			
	used; methods of handling samples to prevent or			
	minimize exposure to personnel.			
	minimum levels of detection for each radionuclide			
	Note: An instrument capable of making quantitative			
	will not normally be considered adequate for			
	measurements.			
	Specify the standard calibration sources including			
	for each: the radionuclide, quantity, accuracy, and			
	traceability to primary radiation standards			
	Nate: Accuracy of standards should be within + 5% of			
	the stated value and traceable to a primary radiation			
	standard such as those maintained by the National			
	Institutes of Standards and Technology (NIST).			
	• Sample calculation to convert measurement data to			
	becquerels (or microcuries)			
	 Instructions on actions, notifications regarding leaking source 			
	Maintain records of leak test results			
11 Radiation Safety	Routine Maintenance	\sim		
Program Maintenance				
	We will implement and maintain procedures for routing			
	manufacturer's or distributor's written			
	recommendations and instructions			
	Optional Response			
	Aucquaic training: experience: Mapufacture: S or distributor swritten instructions			
	Considers ALARA			
	Ensures gauge functions as designed as the second			
	Lusurs source micerny not compromised	ふざいれ 知識れ		

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			Appli Resp	cant's ouse	
item Number and Little	Suggested Response	Yes	No	Oth Ves	er
Item Number and Title 10 Radiation Safety Program - Maintenance (Cont'd)	Non-Routine Operations The gauge manufacturer, distributor or other person authorized by NRC or an Agreement State will perform non-routine operations such as installation, initial radiation survey, repair, and maintenance of components related to the radiological safety of the gauge, gauge relocation, replacement, and disposal of sealed sources, alignment, or removal of a gauge from service. Optional Response Provide the information listed in Appendix N supporting a request to perform non-routine operations in-house. • Types of work to be performed • Identify the individual who will perform non-routine operations, their training and experience • Procedures to ensure: S doses to public, personnel are ALARA and within regulatory limits S security S posting			Oth Yes	No
	 S manufacturers or distributors instructions and recommendations are followed S non-manufacturer/non-distributor supplied replacement components or parts, or the use of materials (e.g., lubricants) other than those specified or recommended by the manufacturer or distributor are evaluated to ensure that they do not degrade the engineering safety analysis S before being returned to routine use, the gauge is tested to verify that it functions as designed and source integrity is not compromised Use of whole body and extremity monitoring, if required Possess survey instrument calibrated by NRC/Agreement State licensee; or as defined in Appendix I; checked before use 10 CFR 20.1301 surveys when and where surveys performed survey records maintained for 3 years 				

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		Applicant's Response	
item Number and Title	Suggested Response	Yes No Yes	ner No
10 Radiation Safety Program - Transportation	The applicant is not required to submit a response to transportation section during the licensing process; this issue will be reviewed during inspection.	Need Not Be Submitted with Application	
10 Badlation Safety Program Rixed Gauges Used At Temporary Job Sites	This is not applicable to the applicant is program. Applicant will not use fixed gauges at temporary job sites		
	Procedures will be developed: implemented, maintained and distributed and will meet the Criteria in the section entitled "Radiation/Safety Brogram, Fixed Gauges Used at Temporary Job Sites," in NUREG-155, Vol. 4, dated October 1998.		

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		Appli Resp	ant's onse	
Item Number and Title	Suggestor Response :		Oth	er
			Yes	No
10 Radiation Safety Program - Fixed Gauges Used At Temporary Job Sites (Cont'd)	 Optional Response Develop, implement, maintain, and distribute operating and emergency procedures containing the following elements: S Instructions for transporting radioactive material to ensure compliance with DOT regulations S Instructions for using gauges at temporary job sites and performing routine maintenance according to the manufacturer's or distributor's recommendations and instructions S Instructions for maintaining security during storage and transportation S Instructions to keep gauges under control and immediate surveillance or secured to prevent unauthorized use or access S Steps to take to keep radiation exposures ALARA S Steps to take, and whom to contact, when a gauge has been lost or damaged. If gauges are to be installed at temporary job sites, the operating and emergency procedures should contain instructions on the use of personal dosimetry, and survey instruments and conducting surveys. Provide copies of operating and emergency procedures to all gauge users and maintain copies at 			
10 Badiation Safety Program - Mipimization of Contamination	The applicant does not need to provide a response to this item under the following condition. NRC will consider that the above criteria have been met if the applicant's responses meet the opteria for the following sections: Radioactive Material - Scaled Sources and Devices, Facilities and Economent: Radiation Safety Program - Operation and Emergency Procedures, Radiation Safety Program - Leak Testing, and Waste Management - Gauge Transfer and Disposal.	Need Not B Submitted Application	e vide	

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			Respo	nse.	
	LIEM I SMIADET ANN FAUE	Sufficient verbuise	Yes	Oth Yes	er No
11	Waste Disposal - Fixed Gauge Disposal & Transfer	The applicant is not required to submit a response to waste management section during the licensing process; however, the licensee should develop, implement, and maintain fixed gauge transfer and disposal procedures in its radiation safety program.	Need Not Be Submitted w Application	ith	

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U.S. NUCLEAR REGULAT	DRY COMMISSION Amendment No. 04				
MATERIALS L	ICENSE				
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-436), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.					
Licensee	In accordance with the letter dated				
	March 2, 2011,				
1. Brayman Construction Corporation	3. License number 37-30880-01 is amended in				
	its entirety to read as follows:				
	CG()				
2. 1000 John Roebling Way	4. Expiration date March 31, 2014				
Saxonburg, Pennsylvania 16056	5. Docket No. 030-36501				
	Reference No.				
 Byproduct, source, and/or special nuclear material A. Cesium 137 B. Americium 241 B. Americium 241 Chemical and/or No. A-102112 B. Sealed Source Nos. A-102451 	 Physical form. 8. Maximum amount that licensee may possess at any one time under this license is (Troxler Dwg. A. 18 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear fegulatory Commission or an Agreement State 88 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear fegulatory Commission or an Agreement State 88 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear regulatory Commission or an Agreement State 				
9. Authorized use:					
A. and B. In Troxler Electronic Laboratories, Inc. Mo measuring physical properties of materials	del No.3400 Series portable gauging devices for s.				

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NRC	FORM 9	174A	PAGE 2 OF 4 PAGES		
			License Number 37-30880-01		
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-36501		
*2.4			Amendment No. 04		
CONDITIONS					
10.	Licensed material may be used or stored at the licensee's facilities located 4006 MacCorkle Avenue SW, South Charleston, West Virginia and 406 Riverside Drive, Hinton, West Virginia, and may be used at temporary job sites of the licensee anywhere inthe United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction status of a Federal facility within an Agreement State, is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state				
	regulatory agency.				
11,	Licensed material shall be used by or under the supervision and in the physical presence of Individuals who have received the training described in the application dated bebruary 6, 2004.				
12.	The Radiation Safety Officer for this locations can Tellish				
13.	A.	Sealed sources shall be tested for leakage and/or months or at the intervals specified in the centificat Regulatory Commission under 10 CFR 32 2 0 or u State.	contamination at littervals not to exceed six of registration issued by the U.S. Nuclear under equivalent regulations of an Agreement		
	₿,	In the absence of a certificate from a transferor ind intervals specified in the certificate of egistration is Commission under 10 CFR 32.210 or under equiv- the transfer, a sealed source received from anothe and the test results received.	licating that a leak test has been made within the ssued by the U.S. Nuclear Regulatory alent regulations of an Agreement State, prior to r person shall not be put into use until tested		
	G. .	Sealed sources need not be tested if they are in st they are removed from storage for use or transferre within the required leak test interval, they shall be t shall be stored for a period of more than 10 years of contamination.	orage and are not being used; however, when ed to another person and have not been tested ested before use or transfer. No sealed source without being tested for leakage and/or		
	D.	The leak test shall be capable of detecting the pres radioactive material on the test sample. If the test (185 becquerels) or more of removable contaminat Regulatory Commission in accordance with 10 CFI Immediately from service and decontaminated, rep Commission regulations.	sence of 0.005 microcurie (185 becquerels) of reveals the presence of 0.005 microcurie tion, a report shall be filed with the U.S. Nuclear R 30.50(c)(2), and the source shall be removed aired, or disposed of in accordance with		

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NRC FORM 374A PAGES					
			License Number 37-30880-01		
	MATERIALS LICENSE		Docket ar Reference Number		
i.		SUPPLEMENTARY SHEET	030-36501		
			Amendment No. 04		
	E.	Tests for leakage and/or contamination, limited to by the licensee or by other persons specifically lice Commission or an Agreement State to perform su perform the analysis; analysis of leak test samples licensed by U.S. Nuclear Regulatory Commission	leak test sample collection, shall be performed ensed by the U.S. Nuclear Regulatory ich services. The licensee is not authorized to s must be performed by persons specifically or an Agreement State to perform such services.		
	F.	Records of leak test results shall be kept injunits of years.	of microcuries and shall be maintained for		
14 <u>.</u>	Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.				
15.:	The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.				
16,	Each portable nuclear gauge shall have an ocker onter locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user and the sealed source in the sealed source from its shielded position.				
17 ₅	Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.				
18,	The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."				
1 9	Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.				
	A. B. C. D. E.	Application dated February 6, 2004 (ML04057066 Letter dated February 4, 2005 (ML050470231) Letter dated March 12, 2008 (ML080770156) Letter dated February 22, 2010 (ML100601101) Letter dated March 2, 2011 (ML110670360)	\$6)		

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