ACCEPTANCE REVIEW MEMO (ARM)

License No.: 11-29251-01

Basic Engineering PC

Licensee:

Docket No.:	030-37409	Mail Control No.: 471259				
Type of Actio	n: New License & Licensee	Date of Requested Action: 02-07-07				
Reviewer Assigned:	Roberto	ARM reviewer(s): Torres				
Response	Deficiencies Noted	During Acceptance Review				
	 [] Open ended possession limits. Limit possession. Submit inventory. [] Submit copies of most recent leak test results. [] Add - delete IC license condition. Add IC paragraph in cover letter. [] Split license from cover letter. Add SUNSI marking to license. [] Ask the licensee if they have any type-amount of EPAct Material. 					
2-16-07	1. Date for 313, TJS, inventory, and	nonroutine maintenance. Requested in to. or	12-16-07.			
Reviewer's II	nitials:	Date: 2-16-07	<u>.</u>			
□Yes □No	Unrestricted release Group 2 or	>: Transfer memo to FCDB within 10 days.				
□Yes □No	Decommissioning notification sha	ould be completed within 30 days.				
□Yes □No	Termination request < 90 days fr	om date of expiration				
□Yes □No	Expedite (medical emergency, no license, RAM in possession not o	o RSO, location of use/storage not on on license, other)				
□Yes □No	TAR needed to complete action.					
Branch Chie	ef's and/or Sr. HP's Initials:	Date:				
			٦			
/	SUNSI Screening accord					
☐Yes 厄K o General guid	lance: _RAM = or > than Category 3 (Table _Exact location of RAM (whether = or _Design of structure and/or equipmer _Information on nearby facilities _Detailed design drawings and/or per	1, RIS 2005-31), use Unity Rule -> than Category 3 or not) nt (site specific) formance information				
Specific guid		emic (above Category 3): mber of sealed sources & devices				
Promob Chi	Manufacturer's name and model number of sealed sources & devices Site drawings with exact location of RAM, description of facility RAM security program information (locks, alarms, etc.) Emergency Plan specifics (routes to/from RAM, response to security events) Vulnerability/security assessment/accident-safety analysis/risk assess Mailing lists related to security response					
Branch Chie	ef's and/or Sr. HP's Initials: 🖊 🖊	Date:				

Pre-Licensing Screening

Applicant Information:	Control No. 4/1259	
Name: Basic Engineering PC	Type of Request: New License & Licensee Program Code(s):	
Location: ID	License No.: 11-29251-01 Docket No.: 030-37409	

STEP 1-Radioactive Materials and Quantities Requested:

(Screen	Instructions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.			
A.	A. The request is from a new applicant.			
B.	NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	N		
C.	The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	N		

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)						
Radionuclide	Risk Significant Quantity (TBq¹)	Risk Significant Quantity (Ci ¹)	Radionuclide	Risk Significant Quantity (TBq¹)	Risk Significant Quantity (Ci ³)	
Am-241	0.6	16	Pm-147	400	11,000	
Am-241/Be	0.6	16	Pu-238	0.6	16	
Cf-252	0.2	5.4	Pu-239/Be	0.6	16	
Cm-244	0.5	14	Ra-226²	0.4	11	
Co-60	0.3	8.1	Se-75	2	54	
Cs-137	1	27	Sr-90 (Y-90)	10	270	
Gd-153	10	270	Tm-170	200	5,400	
lr-192	0.8	22	Yb-169	3	81	

The primary values are TBq. The curie (Ci) values are for informational purposes only.

The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE-If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	Yes , No, or Not Applicable (NA)
Total Activity-multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	
Unity Rulemultiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g.,[(total activity for radionuclide A) + (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) + (risk significant quantity for radionuclide B)] > 1.0.	

Signature and Date for Step 1:

2 21607

License Reviewer and Date

BASIC Engineering

Fax

PAGE 01

To:	To: Roberto Torres, NRC		From:	Greg Floyd		
Fax	817-860-8188		Pages;	5		
Phone	K		Date:	2/16/2007		
Re:	Application for Material I	icense	CC:			
□ Urg	ent 🗆 For Review	□ Please	Comment	☐ Please Reply	□ Please Recycle	
• Con	nments:	· · · · · · · · · · · · · · · · · · ·				
Rober	to,					
Here is	s the corrected application					
Thank	you, Greg					

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FEB 1 2 2007

DNMS

APPENDIX A

NRC FORM 313 U. S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OME: NO. 2186-0130 EUP N.E.2.0801/2862		
(A-1000)	Francisco hudes and broader to recent with the medicine absence and were the		
APPLICATION FOR MATERIAL LICENSE	Eliminated buttern por / Imported to comply with title mendalary influentation collection arquised 74 hours. Solvential of the application in necessary to fidelineous test the applicant is equipment and that understall procedures eated to tested tip public health any eatety. Send commons: impacting buttern establish to the Recording between Bennic (T. et Bill, U.S. Nutcher Regulatery Commission, Weshington, DC 20565-0007, or by internet a-sead to high figure part to be board tomic cytics of internetion and required public to the Dest Order. (New or internetion and required public to the Dest Order, 1973-01307). Other of Management and Budger, Whiteholder, DC 20560, if a report used to respect or suffernition adjusted dues not display a currently valid (Nell) control supplies. NCT may not derivated an adjusted a due in the display a currently valid (Nell) control supplies to tablection.		
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUID			
SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE			
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS PILE APPLICATIONS WITH	A AORI PINE (TOCTALED #1:		
DIVISION OF HICLISTRIAL, AND MEDICAL INJULEAS SAFETY OPPICE OF HICLIGAR MAYERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY ORMASSION WASHINGTON, DC 20066-0001	ILLINOIS, BICRAMA, IOWA, INCHIGAN, INNESOTA, MISSOLIRI, CHIÓ, OR WESCOMBIN. SEMO APPLICATIONS TO: MATÉNIA, S UCÉNISIAG SECTION		
ALL OTHER PERSONS PILE APPLICATIONS AS FOLLOWS:	U S. NUCLÉAR REGULATORY COMMISSION, REGION IN 801 WARRENVILLE RD.		
IN YOU ARE LOCATED IN:	LIGIE N. 60532-4361		
CONNECTICUT, DELAWARE, DISTRUCT OF COLUMBIA, MAIRE, MARYLAND, MASSACHUSETTS, HEW HARPHIREL HEW JERSEY, NEW YORK, PENKSYLVAMA, RHODE ISLAND, OR VERMONT, REND APPLICATIONS TO:	ALSRIA, ANDONA, ARKANSAS, CALFORMA, COLORADO, HAMAR, IOMOLIVANSAS. LOUISIANA, NONTANA, HERRASKA, NEYADA, NEW MEXICO, MORTH DAKOTA, OKLAHOMA, DREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TERAS, UTAN. WASHINGTON, OR WYCMING, SEND APPLICATIONS TO:		
LICENSING ASSISTANT SECTION NUCLEAR MATERIALS SAFETY BRANCH	NUCLEAR MATERIALS LICENSING SECTION		
US MUCLEAN REGULATORY COMMISSION, RECION I 473 MLISHOME RODE KING OF PRUSSIA, PA. 18408-1415	LIB NUCLEAR REQUIATORY COMMISSION, RECION IV 811 RYAN PLAZA CHINE SUITE 400 ARLINGTON TX 70011-3064		
ALABAMA, FLORIDA, GEORGIA, KENTUCNY, MISSISSIPPI, MORTH CAROLINA, PUERTO RICO, SOUTH CAROLIMA, TENNESSEE, VIRGIMA, VIRGIM ISLANDE, DR WEST VIRGIMA, GEND APPLICATIONS TO:			
BAN NUMN ATLANTA FEDERAL CENTER U. B. NUCLEAR RECULATORY DOMANGEON, REGION # 81 FORSYTH STREET, 8 W., BUTTE 23185 ATLANTA, GEORGIA 20003-8651			
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR I MATERIAL, IN STATES SUBJECT TO U.S. NUCLEAR REQUILATORY COMMISSION JURISDICTIO	NS.		
1. THE IS AN APPLICATION FOR (CAUSA MARGINED HOTE)	2 MANUE AND MAILING ADDRESS OF APPLICANT (NONes Zie code)		
A NEW LICENSE NUMBER	Basic Engineering PC P.D. Box 403		
C RENEWAL OF LICENSE MANGER	Fruitland, Id. 83619		
3 YOUNESSIES WHERE FICEHEED WATEROY MIT OF CRED ON LOCATERED	4 NAME OF PERSON TO BE CONTACTED ABOUT THIS		
Basic Engineering Pc 239 Sty.	Kevin Shoemaker, AE.		
Fruitland, ID. 83 619	TELEPHONE NUMBER		
BUBINT ITEMS & THROUGH 11 ON B-V2X 11" PAPER THE TYPE AND SCOPE OF INFORMATION	208-463-2296		
K RADIOACTIVE MATERIAL			
 Element and most number is chemical ander physical form, and c. maximum amount units will be passessed at any one time. 	6 PURPOSE(5) FOR WHICH LICENSED MATERIAL WILL BE USED		
7. MĚVYČUAL(B) RESPONSBLE FOR RADIATIÓN SAFETY PROGRAM AND THEIR TRANSPOR (EURIDHENCE)	A TRANSIO FOR INDIVIDUALS WORKING IN ON PREQUENTING RESTRICTED AREAS		
9 FACILITIES AND EQUIPMENT	10 RADIATION BAFETY PROGRAM 13. LICENSEE FEES (Ram 10 CHW 170 and Springs 178.51)		
11 WASTE MANAGEMENT.	FEE CATEGORY BIGLOSED \$		
COMPONATY WITH TILE 10, CODE OF FEBERAL REGULATIONS, PARTS 30, 32, 34, 44, CORRECT TO THE REST OF THEIR INNOMEDICE AND BELIEF. WARRING 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1848 RE STAT. 748 MAKES IT A CR.	HE APPLICANT, NAMED IN ITEM 2, CIERTIBY THAY THIS APPLICATION IS PREPARED IN IS, SA 39 AND 40, AND THAY ALL INFORMATION CONTAINED HEREIN IS TRUE AND NAMED, OFFERINE TO MAKE A WILLFLELY FALSE STATEMENT OR REPRESENTATION TO		
ANY DISPARTMENT ON ACCIDITY OF THE UNITED STATES AS TO ANY MATTER WITHIN IT CORPORTING CHACER - TYPEDIFICANTED HAME AND TITLE	DATE ,		
Kevin Shoemaker For NRC	Flow Streems 2/16/07		
TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED CHECK	MANGER CONNECTS		
APPROVED BY LIVE MORE DATE			
nem spoens			

A-1

NUREG - 1556, Vol. 1, Rev. 1

h 471259

ITEM 1: ACTION TYPE

	ADMINISTRATIVE REVIEW: Current Guidance Used
☐ Amendment	☐ References in Application Based On Current
☐ Renewal	Regulations
<u></u>	

ITEM 2: LEGAL IDENTITY

NAME:	BASIC	Engineer	isafC.	

ITEMS 2 AND 3: ADDRESS

STORAGE & LOCATION OF USE 239 SW 389 St.	MAILING ADDRESS P.O. Box 463
Fruitland ID. 83619	Fruitland, Id. 83619
Temporary Job Sites XYES ☐ NO	,

ITEM 4: PERSON TO BE CONTACTED ABOUT THIS APPLICATION

CONTACT PERSON: LEA WAIKER	Kevin Shormaker
TELEPHONE: 208-452-2296	

NUREG - 1556, Vol. 1, Rev. 1

M-1

APPENDIX M

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND USES

Yes	No	Radioisotope	Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
X		Cesium-137	Sealed source manufacturer or distributor and model number: APA 18th, QSA Device manufacturer or distributor and model number: CDC 805	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration (SSDR) Certificate	Yes D Specific description of the gauge use: Measurement of soils and constructi Materials	Not applicable Uses are:
X		Americium- 241	Sealed source manufacturer or distributor and model number: ACA TECH OSA Device manufacturer or distributor and model number: AMN V977	Not to exceed either the maximum activity per source or maximum activity per device as specified in SSDR Certificate	Yes O Specific description of the gauge use: Measurement of Soils and Construction Materials	Not applicable Uses are:
	X	Californium- 252	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number: xplorer Mad	l	Yes Specific description of the gauge use:	D Not applicable Uses are:

NUREG - 1556, Vol. 1, Rev. 1

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY	Routine Cleaning and Lubrication		
PROGRAM – MAINTÉNANCE	We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	9	0
	Non-Routine Maintenance		
	We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.	V	The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.
10.RADIATION SAFETY PROGRAM – TRANSPORTATION	The applicant is not required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.	,,,	ot Be Submitted oplication
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.		nt Be Submitted oplication

NUREG - 1556, Vol. 1, Rev. 1

B-5

From:

Roberto J Torres

To:

gfloyd@basicengineeringpc.com

Date:

02/16/2007 10:52:49 AM

Subject:

Request for additional information in support of license application

Mr. Floyd:

Please correct the following deficiencies. I have attached two pdf files. One contains the things you need to correct, the other one is a clean copy you can use to provide your responses and return to me.

- 1. Sign and date NRC Form 313 in the appropriate section.
- 2. Mark either the "yes" or "no" checkbox on temporary job site.
- 3. Provide manufacturer's name and model number of proposed gauges.
- 4. Mark the "yes" checkbox on "Non-routine maintenance".

Thank you.

Roberto J. Torres
Senior Health Physicist
U.S. Nuclear Regulatory Commission, Region IV
Division of Nuclear Materials Safety
Nuclear Materials Licensing Branch
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011
Telephone 817-860-8189
Facsimile 817-860-8188
rjt@nrc.gov

Mail Envelope Properties (45D5E161.387 : 18 : 64234)

Subject:

Request for additional information in support of license application

Creation Date

02/16/2007 10:52:49 AM

From:

Roberto J Torres

Created By:

RJT@nrc.gov

Recipients Action Date & Time

basicengineeringpc.com

gfloyd (gfloyd@basicengineeringpc.com)

nrc.gov

ARL_PO.ARL_DO Delivered 02/16/2007 10:52:49

ΑM

RJT BC (Roberto J Torres) Opened 02/16/2007 10:52:54

AM

Post Office Delivered Route

Pending

basicengineeringpc.com

ARL_PO.ARL_DO 02/16/2007 10:52:49 AM nrc.gov

Files Size Date & Time

MESSAGE 1539 02/16/2007 10:52:49 AM SCAN2323.pdf 268343 02/16/2007 10:49:28 AM SCAN2322.pdf 264743 02/16/2007 10:49:26 AM

Options

Auto Delete: No Expiration Date: None

Notify Recipients: Yes

Priority: Standard ReplyRequested: No

Return Notification: None

Concealed Subject:

No

Security:

Standard

To Be Delivered:

Immediate

Status Tracking:

Delivered & Opened

RECEIVED

FEB 1 2 2007

DNMS

APPENDIX A

NRC FORM 313 U. S. NUCLEAR REGULATORY COMMIS	SSION	PROVE	D BY OMB: NO. 31	50-0120	EXPIRES:08/31/2002
(8-1999) 10 CFR 30, 32, 33 34 35, 36, 39 and 40 APPLICATION FOR MATERIAL LICENS	E and off	I hours d that a parding egulatory d to the fice of N ormation	Submittal of the ap dequate procedures burden estimate to Commission, Was Desk Officer, Office fanagement and Bu collection does no	plication is necessary to di- exist to protect the public to the Records Manageri hington, DC 20555-0001. of information and Regulati idget, Washington, DC 20 kt display a currently valid	indiatory information collection request etermine that the applicant is qualified in eating and safety. Send comments seret Branch (1-6 E6), U.S. Nuclear or by internet e-mail to byst fights gov. or you Affairs. NEOB-10202 (315-0120) 0503. If a means used to impose an OABB control number, NRC may not all by the information collection do by the information collection and by the information collection.
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION	ON GUIDE I	FOR D	ETAILED INST	RUCTIONS FOR CO	
SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION				IED BELOW.	
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WIT	TH: [fF	YOU AR	E LOCATED IN:		
OVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC. 26555-0001	SE	NO APP	INDIAHA, IOWA, MI PLICATIONS TO: IALS LICENSING SE		SSOURI, OHIO, OR WISCONSIN,
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:	J	801 WA	ICLEAR REGULATO IRRENVILLE RD IL 60632-4351	ORY COMMISSION, REGIO	N it
CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,				AS, CALIFORNIA, COLOR	ADO, HAWAII, IDAHO, KANSAS,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA. RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO	LO	UISIAN/	A, MONTANA, NEBI IA, OREGON, PACII	RASKA, NEVADA, NEW M	EXICO, NORTH DAKOTA, , SOUTH DAKOTA, TEXAS, UTAH.
LICENSING ASSISTANT SECTION VUCLEAR MATERIALS SAFETY BRANCH U.S. NUCLEAR REGULATORY COMMISSION REGION I 475 ALLENDALE ROAD	10	U.S. NU	AN PLAZA DRIVE, S	DRY COMMISSION, REGIO SUITE 400	N IV
KING OF PRUSSIA PA 19406-1415	- 1	ARLING	TON TX 78011-80	84	
ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUEI RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRG SEND APPLICATIONS TO					
SAM NUNN ATLANTA FEDERAL CENTER U. S. NUCLEAR REGULATORY COMMISSION, REGION # 61 FORSYTH STREET, S.W., SUITE 23785 ATLANTA, GEORGIA 30303-8831					
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. N MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JUI	RISDICTIONS				
1 THIS IS AN APPLICATION FOR (Check appropriate tiem)	2	NAME	AND MAILING ADO	RESS OF APPLICANT (Inc	clude Zip code)
A NEW LICENSE B AMENDMENT TO LICENSE NUMBER				igineerin 163	
C RENEWAL OF LICENSE NUMBER	{ ,	Fru	it land	, Id. 83	619
3 ADDRESSIES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED					O BE CONTACTED ABOUT THIS
Basic Engineering PC 239 SW. 3139 St.				Kerin SI	normaker, 7.E.
Fruitland, ID. 83619				TELEPHONE NUMBE	
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF IN	FORMATION TO	O BE PF	ROVIDED IS DESCR	HBED IN THE LICENSE AF	PLICATION GUIDE
5 RADIOACTIVE NATERIAL e. Element and mass number, is chemical and/or physical form, and c. marinmum a which will be possessed at any one time.	emount 8	PURF	POSE(S) FOR WHIC	CH LICENSED MATERIAL	WILL BE USED
 INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE 	ð	TRAI	NING FOR INDIVIDU	ALS WORKING IN OR FR	EQUENTING RESTRICTED AREAS
9 FACILITIES AND EQUIPMENT			ATION SAFETY PR		
11 WASTE MANAGEMENT.	12	12 LICENSEE FEES (See 10 CFR 170 and Section 170 31) FEE CATEGORY AMOUNT ENCLOSED \$		031) AMOUNT ENCLOSED \$	
13 CERTIFICATION (Must be completed by applicant) THE APPLICANT UNDERSTAIL	NOS THAT ALL			ESENTATIONS MADE IN T	
UPON THE APPLICANT THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMEO IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN COMPORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30: 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND COMPORTY TO THE GREET OF THEIR MINIOR FINES AND RELIEF.					
CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.					
CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 52 STAT 749 MAKE	S IT A CRIMINA	AL OFFE	ENSE TO MAKE A V TION	VILLFULLY FALSE STATES	MENT OR REPRESENTATION TO
CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.	WITHIN ITS JU	AL OFFE IRISDICT	TION	VILLFULLY FALSE STATES	MENT OR REPRESENTATION TO
CORRECT TO THE BEST OF THER WNOWLEDGE AND BELIEF WARNING 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT 749 MAKE ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER. CERTIFYING OFFICER – TYPEDIPRINTED NAME AND TITLE	WITHIN ITS JU	GNATU	RE	VILLEULLY FALSE STATES	
CORRECT TO THE BEST OF THER WNOWLEDGE AND BELIEF WARNING 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT 749 MAKE ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER. CERTIFYING OFFICER – TYPEDIPRINTED NAME AND TITLE	NRC US	GNATUE	RE	VILLEVELY FALSE STATE	

ITEM 1: ACTION TYPE

ACTION TYPE:	ADMINISTRATIVE REVIEW:
⊠ New	☐ Current Guidance Used
☐ Amendment	☐ References in Application Based On Current
☐ Renewal	Regulations

ITEM 2: LEGAL IDENTITY

NAME:	BASIC	Engineering	PC.

ITEMS 2 AND 3: ADDRESS

STORAGE & LOCATION OF USE 339 SW 389 St.	MAILING ADDRESS P.O. BOX 463
Fruitland ID. 83619	Fruitland, Id. 83619
Temporary Job Sites ☐ YES ☐ NO	,

ITEM 4: PERSON TO BE CONTACTED ABOUT THIS APPLICATION

CONTACT PERSON: LEA WAIKER	Kevin Shoemaker
TELEPHONE: 208-452-2296	

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND USES

Yes	No	Radioisotope	Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
X		Cesium-137	Sealed source manufacturer or distributor and model number: APA Tech. QSA Device manufacturer or distributor and model number: CDC SDS	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration (SSDR) Certificate	Yes Specific description of the gauge use: Measurment of soils and construction of the gauge use.	Not applicable Uses are:
Х		Americium- 241	Sealed source manufacturer or distributor and model number: ACH TECH. ASA Device manufacturer or distributor and model number: AMN V977	Not to exceed either the maximum activity per source or	Yes Specific description of the gauge use: Measurement of Soils and construction in the construction in	Not applicable Uses are:
	Х	Californium- 252	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 SSDR Certificate	Yes □ Specific description of the gauge use:	☐ Not applicable ☐ Uses are:

Yes	No	Radioisotope	Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	Х	Other Isotope (Specify):	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 SSDR Certificate	Yes □ Specific description of the gauge use:	☐ Not applicable ☐ Uses are:

Financial Assurance Required and Evidence of Financial Assurance Provided

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

	Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
7.	INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER	Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	4	ס
8.	TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals	0	
		Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.		
9.	FACILITIES AND EQUIPMENT	No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."	Separate Item 9 Response Need Not Be Submitted With Application	
10.	RADIATION SAFETY PROGRAM – AUDIT PROGRAM	The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.		ot Be Submitted oplication
10.	RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES	The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.	Need Not Be Submitted With Application	
10.	RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS	We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	•	0

	Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
PI Ri	ADIATION SAFETY ROGRAM – MATERIAL ECEIPT AND CCOUNTABILITY	Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.		0
PI O	ADIATION SAFETY ROGRAM – CCUPATIONAL OSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	8	
PI	ADIATION SAFETY ROGRAM – PUBLIC OSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.	Need Not Be Submitted With Application	
PI O El	ADIATION SAFETY ROGRAM – PERATING AND MERGENCY ROCEDURES	We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site. OR	g	0
		Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.		
	ADIATION SAFETY ROGRAM – LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement Sate and specified in the Sealed Source and Device Registration Sheet. 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 kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	Q .	The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY	Routine Cleaning and Lubrication		
PROGRAM – MAINTENANCE	We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	Ø	
	Non-Routine Maintenance		
	We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.	0	The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.
10.RADIATION SAFETY PROGRAM – TRANSPORTATION	The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.		ot Be Submitted oplication
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	The applicant is <i>not</i> required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.		ot Be Submitted oplication

This is to certify that

Lea Walker

attended an 8 hour Portable Nuclear Gauge

RADIATION SAFETY OFFICER COURSE

Conducted by

BHP ENTERPRISES

At Fruitland, Idaho, January 5, 2007

Health Physicist

Heatin Physicis

This is to certify that

Lea Walker

Has successfully completed an 8 hour class in

PORTABLE NUCLEAR GAUGE SAFETY

Conducted by

BHP ENTERPRISES

At Boise, Idaho, On June 16, 1999

Health Physicist

This is to certify that

Kevin Shoemaker

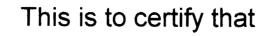
Has successfully completed an 8 hour class in

PORTABLE NUCLEAR GAUGE SAFETY

Conducted by

BHP ENTERPRISES

At Fruitland, Idaho, On November 14, 2006



Matthew A. Patzer

Has successfully completed an 8 hour class in

PORTABLE NUCLEAR GAUGE SAFETY

Conducted by

BHP ENTERPRISES

At Fruitland, Idaho, On November 14, 2006

Health Physicis

FER 20 2007

0	is to acknowledge the receipt of your letter/application dated $2 - 16 - 67$, and to inform you that the initial processing, ch includes an administrative review, has been performed.	DATE
囟	There were no administrative omissions. Your application will be asserviewer. Please note that the technical review may identify addition require additional information.	signed to a technical al omissions or
	Please provide to this office within 30 days of your receipt of this care	d:
The	action you requested is normally processed within days. A copy of your action has been forwarded to our License Fee & According Branch, who will contact you separately if there is a fee issue involved.	
Wh	r action has been assigned Mail Control Number 47/2 en calling to inquire about this action, please refer to this mail control r may call me at 817-860-8103.	
	Sincerely,	
	Collece a Tita	mahan
NRC {10-2	FORM 532 (RIV) Licensing Assistant 006)	

BETWEEN: License Fee Management Branch, ARM and LICENSE FEE TRANSMITTAL Regional Licensing Sections ? B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered $/__/$) 2. ω. ω APPLICATION ATTACHED
Applicant/Licensee: B
Received Date: 2
Docket No: Control No.: 4
License No.: Action Type: N COMMENTS OTHER Amendment Renewal License FEE ATTACHED 00 00 Amount: 1000 Correct Fee Paid. Fee Category and Amount: Application may be processed for: BASIC ENGINEERING PC 20070212 3037409 471259 New Licensee Signed Date Signed Date Program Code:
Status Code: 3
Fee Category:
Exp. Date: 0
Fee Comments: Decom Fin Assur Reqd: (FOR LFMS USE)
INFORMATION FROM LTS



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