

2001 Rankin Road
Houston, Texas 77373
Tel (713) 879-2662
Fax (713) 879-2667
Cell (713) 306-0658

Philip G. Simpkin
Radiation Safety Officer
phil.simpkin@bakerhughes.com



Baker Hughes Oilfield Operations, Inc.

28th March 2014

Ms. Michelle M Hammond M.Sc.,
Senior Health Physicist
United States Regulator Commission
Region IV
1600 East Lamar Blvd.,
Arlington, Texas 76011

RECEIVED
AUG 26 2014

DNMS

42-19649-01

Re: Office covered by RAM License No. 42-029649-01

Dear Ms. Hammond,

I would like to inform you that Baker Hughes is no longer storing radioactive materials at its Gaylord Michigan facility.

The facility is listed on the license at 1250 Anna Drive, Gaylord Michigan

The sources and records from the facility have all been transferred to the one in Mill Hall Pennsylvania.

Baker Hughes has no plans to store radioactive materials at the Gaylord facility and would like to remove it from the license.

Should you have any questions or require and additional information, please feel free to contact me

Sincerely,

A handwritten signature in blue ink, appearing to be "P. Simpkin", written over a horizontal line.

Philip G. Simpkin CRadP
Radiation Safety Officer,
Baker Hughes Oilfield Operations, Inc.

PUBLIC

- ☒ Immediate Release
☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
☐ A.7 Sensitive Internal
☐ Other:

Reviewer: OPC

Date: 9/2/14

584724

Gaylord Michigan Close out Survey

Dylan Dailey, RSO

August 12th, 2014

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Background

- Baker Hughes is requesting closure



Surveys taken

- The Radiation Safety Officer for Baker Hughes(Dylan Dailey) performed a closeout survey of the facility on August 14, 2014.
- The perimeter of the facility and the interior surfaces of each building was thoroughly scanned using a RadEye GN+. No reading of greater than 10 μ Rem was noted anywhere on the facility.
- In addition, the entire facility was walked on a 5 foot grid using a Thermo-Electron Interceptor in the finder mode to ensure no orphan sources of radiation were left behind.
- Leak Tests have been reviewed for all sources stored at this facility, and no leaking sources were found.
- 3 Area Wipe tests were taken on the man doors entering the workshop and office area. No removable contamination above background Beta/Gamma was observed. No Alpha disintegrations were observed. (see attachment).

Work Shop



PUBLIC

- ☐ Immediate Release
- ☒ Normal Release

NON-PUBLIC

- ☐ A.3 Sensitive-Security Related
- ☐ A.7 Sensitive Internal
- ☐ Other: _____

Reviewer: OPC Date: 9/2/14

Work Shop



Yard



SUNTRAC SERVICES, INC.
1818 EAST MAIN STREET
LEAGUE CITY, TEXAS 77573
PHONE (281) 338-2133

AREA WIPE TEST REPORT FORM

Company Name: **Baker Hughes-Pressure Pumping**

Smear Taken Date: **August 14, 2014** Smears Taken By: **Dylan Dailey**

This report certifies that wipe test smears are from **Baker Hughes-Pressure Pumping** located at **1245 Anna Dr. Gaylord, MI 49735** and they have been assayed at our facility for removable contamination with a Ludlum 2929, S/N 86481 Calibration certificate attached.

Smear Location	Alpha DPM	Beta/Gamma DPM
#1 – main ETEC lab	BDL	BDL
#2 –down ETEC lab	BDL	BDL
#3 – up ETEC lab	BDL	BDL
#4 – source store gate	BDL	BDL
#5 – office doors	BDL	BDL

BDL = Below Detectable Limits


CERTIFIED BY:


Brenda Wasek

DATE:

8-20-14
August 20, 2014

QC'D BY:


Jessica Ochoa

DATE:

8-20-14
August, 20, 2014

BDL = Below Detectable Limits
DPM = Disintegrations Per Minute



SUNTRAC Services, Inc.

CERTIFICATE OF CALIBRATION

1818 East Main Street
League City, TX 77573
Phone: (281) 338-2133
Fax: (281) 338-2136
www.suntrac.com

Customer: 147

Suntrac - IN HOUSE METERS
1818 East Main Street
League City, TX 77573

Instrument Serviced:		Manufacturer	Model Number	Serial Number		
		Ludlum	2929 (L)	86481		
Detector:		Ludlum	43-10-1	PR108772		
Meter Range Multiplier	Distance Calculated (inches)	Filter	Calculated Calibration Point	Instrument Meter Reading	Unit	Correction Factor
Alpha Channel	Pulser	N	40	41	C.P.M.	1.0
Alpha Channel	Pulser	N	400	400	C.P.M.	
Alpha Channel	Pulser	N	4000	3999	C.P.M.	
Alpha Channel	Pulser	N	40000	40033	C.P.M.	
Alpha Channel	Pulser	N	400000	401101	C.P.M.	
Beta/Gamma Cf	Pulser	N	40	40	C.P.M.	1.0
Beta/Gamma Cf	Pulser	N	400	401	C.P.M.	
Beta/Gamma Cf	Pulser	N	4000	4010	C.P.M.	
Beta/Gamma Cf	Pulser	N	40000	40076	C.P.M.	
Beta/Gamma Cf	Pulser	N	400000	401253	C.P.M.	
Minutes	Pulser	N	0.1	.1	Min	1.0
Minutes	Pulser	N	1	1	Min	
Minutes	Pulser	N	10	10	Min	

Calibrated in accordance with Texas Radioactive Materials License Number L03062, and requirements of ANSI/NCSS Z540-1-1994; ANSI-N323A-1997; and 10 CFR 34.25 & 35.61. NIST Traceable #111926/T111433.

Temperature: 79°F Humidity: 38% Altitude: 30inHG Geotropism: ☒
Calibration Source S/N: A280 Source Activity: 58.40 mCi Cs137: 20.10 mR/hr. @100cm; <+/-5%
Pulser Utilized: Yes Pulser Information: Ludlum Model 500 S/N 70634

Battery Check: N/A	OP Volts: 825	Detector Position: Parallel
Check Source: No	Isotope:	Min At Contact:

Technician Comments: This instrument is calibrated electronically in C. P. M.

Keith Sager

Calibrated By Keith Sager 7/16/14 Cal. Date

6 months 1/16/15
Calibration Interval Cal. Due Date

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SUNTRAC Services, Inc.
CERTIFICATE OF CALIBRATION

1818 East Main Street
League City, TX 77573
Phone: (281) 338-2133
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Customer: 147

Suntrac - IN HOUSE METERS
1818 East Main Street
League City, TX 77573

		Manufacturer	Model Number	Serial Number		
Instrument Serviced:		Ludlum	2929 (L)	86481		
Detector:		Ludlum	43-10-1	PR108772		
Meter Range	Distance	Filter	Calculated	Instrument	Unit	Correction
Multiplier	Calculated		Calibration	Meter		Factor
	(inches)		Point	Reading		
HV	Pulser	N	500	500	Volts	1.0
HV	Pulser	N	2000	2000	Volts	

Calibrated in accordance with Texas Radioactive Materials License Number L03062, and requirements of ANSI/NCSS Z540-1-1994; ANSI-N323A-1997; and 10 CFR 34.25 & 35.61. NIST Traceable #111926/T111433.

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Keith Sager

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7/16/14

Cal. Date

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6 months 1/16/15
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BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM WBL

Program Code: 03120
Status Code: Pending Amendment
Fee Category: 3P
Exp. Date:
Fee Comments: 3P EFF 7/28/89
Decom Fin Assur Reqd: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: Baker Hughes Oilfield Operations, Inc. Through Its Pressure Pumping Service Line
Received Date: 08/26/2014
Docket Number: 3019037
Mail Control Number: 584724
License Number: 42-19649-01
Action Type: Amendment

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: _____

Date: _____

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / /)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment: _____

Renewal: _____

License: _____

3. OTHER _____

Signed: _____

Date: _____



DATE

09/16/2014

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE

Baker Hughes Oilfield Operations, Inc.
ATTN: Philip G. Simpkin CRadP
Radiation Safety Officer
2001 Rankin Road
Houston, TX 77074

LICENSE NUMBER

42-19649-01

MAIL CONTROL NUMBER

584724

LICENSING AND/OR TECHNICAL REVIEWER

cmurnahan

cm

This is to acknowledge the receipt of your:

☒ LETTER and/or ☒ APPLICATION

DATED: 08/27/2014

The initial processing, which included an administrative review, has been performed.

☒ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

- ☒ There were no administrative omissions identified during our initial review.
- ☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- ☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV
U. S. Nuclear Regulatory Commission
DNMS/NMSB - B
1600 E. Lamar Blvd.
Arlington, TX 76011-4511
(817) 200-1103 or (817) 200-1140

emailed to licensee
9-16-14