Page	1	of
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NRC FORM 7 APPROVED BY OMB: NO. 3150-0027 U.S. NUCLEAR REGULATORY COMMISSION EXPIRES: 08/31/2012 (8-2011) Estimated burden per response to comply with this mandatory collection request: 2.4 hours. 10 CFR 110 This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy APPLICATION FOR NRC EXPORT OR IMPORT considerations are satisfied. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, LICENSE, AMENDMENT, RENEWAL, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and OR CONSENT REQUEST(S) Budget, Washington, DC 20503. If a means used to impose an information collection does not (See Instructions on Pages 4 and 5) display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection. DATE RECEIVED PUBLIC PART A. FOR NRC USE ONLY OR **NON-PUBLIC** 5-24-2012 LICENSE NUMBER DOCKET NUMBER ADAMS ACCESSION NUMBER PXB157,00 1006020 PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.) 1a. NAME OF APPLICANT'S CONTACT 1. NAME AND ADDRESS OF APPLICANT/LICENSEE 1b. APPLICANT'S REFERENCE NUMBER Cindy Dorris HES3036 Halliburton Energy Services, Inc. 1c. PHONE NUMBER 1d. FAX NUMBER 2107 City West Blvd., Bldg. 4 (713) 839-4566 Houston, Texas 77042 (713) 839-3290 1e. E-MAIL ADDRESS cynthia.dorris@halliburton.com 2. TYPE OF ACTION REQUESTED (Check One) **EXPORT** IMPORT AMENDMENT/RENEWAL CONSENT REQUEST (Parts B, C, E) (Parts B, D, E) Current License Number: (Parts B. C) Current License Number: 5. LAST SHIPMENT DATE 3. CONTRACT NUMBER(S) 4. FIRST SHIPMENT DATE 6. PROPOSED EXPIRATION DATE PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, RENEWALS OR CONSENTS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.) 7. NAME(S) / ADDRESS(ES) OF SUPPLIERS 8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE 9. NAME(S) / ADDRESS(ES) OF ULTIMATE AND/OR OTHER PARTIES TO THE EXPORT FOREIGN CONSIGNEE(S) FOREIGN CONSIGNEE(S) Halliburton Energy Services Inc. 3000 N. Sam Houston Prkwy East Building M Houston, Texas 77032-3219 7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED 8a INTERMEDIATE USE(S) 9a. ULTIMATE END USE(S) 10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, 10a. MAX TOTAL VOLUME / 10b. MAX ENRICHMENT 10c. MAX ISOTOPE ELEMENT WGT (KG), OR NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR OR WGT % WGT (KG) NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF TOTAL ACTIVITY (TBo) EQUIPMENT FOR EXPORT N/A N/A Category 2: Americium-241, Americium-241/Beryllium, N/A Cobalt 60, Calfornium-252, Cesium-137 and Thorium 11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

NRC FORM 7 (8-2011) 10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)

LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)					
LICENSE NUMBER DOCKET NUMBER 1 00 Cet		ADAMS ACCESSION NUMBER	PUBLIC O	R NON-PUBLIC	
PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)					
12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDR CONSIGNEE(S)	RESS(ES) OF INTERMEDIATE	14. NAME(S) / ADDRESS(CONSIGNEE(S)	ES) OF ULTIMATE U.S.	
Multiple Halliburton Energy Services, Inc. and Its Subsidiary locations onshore an offshore around the world					
			- 1		
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUME	BER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S	S) / EXPIRATION DATE(S)	
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	13b. INTERMEDIATE	EUSE(S)	14b. ULTIMATE END USE	(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SE NUCLEAR FACILITIES	ALED SOURCES,	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)	
Category 2: Americium-241, Americium-24 Cobalt 60, Californium-252, Cesium-137 ar		N/A	N/A	N/A	
		es.			
		,			
16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)					
PART E. TO BE COMPLETED FOR <u>ALL</u> LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)					
17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? 17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? YES NO					
18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.					
18a. PRINT NAME AND TITLE OF AUTHORIZED OFFIC	CIAL	18b. SIGNATURE - AUTHORIZ	ED OFFICIAL	18c. DATE	
Cindy Dorris (ITC Analyst) International Trade Compliance		Cong Do	Mis	5/18/12	

NRC FORM 7 (8-2011) 10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL OR CONSENT REQUEST(S) (Continued)

LICENSE, AMENDMENT, RENEWAL OR CONSENT REQUEST(S) (Continued)				
DOCKET NUMBER 1606020	ADAMS ACCESSION NUMBER	PUBLIC	OR NON-PUBLIC	
ADDITIONAL INFORMATION (Reference applicable block num.	bers from page 1 and/or page 2 for	each entry)	120	
Application for a Specific License to export and sell sort to China Oilfield Services Limited (COSL), contract nu	urces (per attachments) umber Z11SLCS-A01U074			
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HALLIBURTON

International Trade Compliance Group
2107 City West Blvd., Bldg 4, 6th Floor – Houston, TX 77042
Direct 713-839-4566 - Fax: 713-839-3290

Deputy Director, Office of International Programs U.S. Nuclear Regulatory Commission Mail Stop O-4E21 11555 Rockville Pike Rockville, Maryland 20852 May 18, 2012

RE: Application for License for the Export and Import of Americium-241, Americium-241/Beryllium, Cobalt 60, Californium-252, Cesium-137 and Thorium

Deputy Director,

Halliburton Energy Services, Inc. is applying for a specific license to export and sell Category 2 sources: three (3) each 15 Americium/Be logging sources, three (3) each 2 Curies Cs-137 sources, and four (4) each .1 uCi Cs-137 sources to China Oilfield Services Limited (COSL) in China. These materials will be used to calibrate downhole well logging equipment for the completion of an oil or gas well prior to the production, or to the production, or to enhance production of existing wells in China. These items are subject to the export-licensing jurisdiction of the U. S. Nuclear Regulatory Commission. Enclosed please find Halliburton's checks in the amount of \$5,500.00 (Five Thousand, Five Hundred Dollars, and No Cents) as the application fee for this license.

Halliburton Energy Services, Inc., in consideration of Title 10, Part 110.42 (c) of the Code of Federal Regulations, submits that the NRC-Controlled Items proposed for export are not inimical to the common defense and security of the United States and the proposed exports are consistent with the policies and objectives of the United States Government.

Included in the application package please find (1) a completed and signed copy of NRC Form 7, "Application for License to Export Nuclear Material and Equipment," and (2) Halliburton's check for license application processing.

If you should have any questions please do not hesitate to call or write at the above number or address.

Sincerely,

Halliburton Energy Services International Trade Compliance

Email: cynthia.dorris@halliburton.com

Enc: NRC Form 7

Halliburton check for application

INTERMEDIATE AND ULTIMATE CONSIGNEES:

China Oilfield Services Limited (COSL)

NRC Required Information		
Purchasers Name:	China Oilfield Services Limited (COSL)	
Purchasers Physical Address:	P.O. Box 23, Potou, Zhanjiang	
W et	Guangdong	
	China	
Ultimate Consignee Name (s):	China Oilfield Services Limited (COSL) Wel-Tech	
	, ,	
Ultimate Consignees Physical	Xin-Gong West Street 3#	
Address:	Beijing East YanJiao	
a a	China	
End Users Name:	China Oilfield Services Limited (COSL) Wel-Tech	
	a a	
End Users Physical Address:	P.O. Box 23, Potou, Zhanjiang	
	Guangdong	
	China	
Storage Facility P. Address:	South Office of South Oilfield, Area 3	
	Potou of Zhanjiang	
	China	

中海油田服务有限公司

China Oilfield Services Limited

Tel: 86 22 66204669 Fax: 86 22 66204669

Add: No. 16, 3 Street, Dongting Road, TEDA, Tianjin China

To whom it may concern:

Dear Sir or Madam:

China Oilfield Services Limited (COSL) was a subsidiary of China National Offshore Oil Corp (CNOOC) with the worldwide provision of well- bore technical services of internationally accepted quality and standards levels as is specific purpose.

As specialized services company, COSL provides logging services for its worldwide oilfield customer, where radioactive (RA) sources are commonly required in conventional logging services.

Having worked in logging industry for more than 10 years, COSL understand the nature of the RA sources, therefore attached great importance to safe operation, controlled transportation and secure storage of the RA sources, strictly in accordance with the regulations and procedures established by the competent authorities and regulation for use worldwide.

COSL states that RA sources purchased from Halliburton will be used for logging services solely in its operation, and will contrail the sources in the country of use according to IETA international standard. COSL will not export RA sources to countries restricted by US export regulation.

Should you require additional information, please contact us.

Safety Officer China Oilfield Services Limited Cindy Dorris Halliburton Energy Services International Trade Compliance

Ph: 713-839-4566 Fax: 713-839-4564

Email: cynthia.dorris@halliburton.com

Enc: NRC Form 7

Halliburton Check for Application

Halliburton Energy Services Cover Page (Attachment 1)

Support Documents

Source Security Procedure Translation

1. Purpose:

Strictly implements national laws and regulations, and prevent the occurrence of radioactive sources lost or stolen or illegal outbound wait for an accident

2. Scope:

This regulation applies to COSL oil field technology group related work unit and manufacturing center.

3. Terms and definitions:

None

4. Responsibilities and Authority:

- 4.1 Functional Department
- 4.1.1 Operation Department

Responsible for the supervision and inspection of the storage and transport of radioactive sources used in the disposal of management

4.1.2 Human Resource Department

Responsible for the organization of the radioactive sources using personnel training and assessment

4.2 Work Unit

Prepare monthly report of radioactive sources

4.2.1 General Management

Responsible for the organization and fulfillment of the radioactive sources using personnel training and assessment

4.2.2 Safety Inspection

Responsible for the supervision and inspection of the radioactive sources base store and transportation use and disposal of the implementation, etc

4.2.3 Sources Administrator

- a) Regular inspection source library that meets the requirements of the fire security
- b) Responsible for the registration of the radioactive sources for the condition
- c) Responsible for local government department to be dangerous goods transport permit; Assist manager do well with the local government management department contact

4.2.4 Onsite Operator

- a) Issued by the competent department of the place has radioactive operating license
- b) Strictly carry out the operating rules homework

5. Procedure

5.1 General Principles

5.1.1 Safety Use of activities

- a) Three sources protection principle: time distance protection
- b) Base or job site use should be radioactive sources confirm before and after double radioactive sources in the source container
- c) Radioactive homework personnel or workshop personnel engaged in the work every time scale radioactive over, should use the probe into the tank radioactive sources confirm, of measured source can fill the contact surface peak radiation items in the original records table, this form should be in each homework or scale by homework personnel or personnel immediately fill in scale, long lines or equipment support department manager for review

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- d) Homework squad is radioactive storage device users and administrators, propose timely corrective maintenance and replacement of right and obligation, especially for the source of the box to check the buoy devices work unit to charge in related needs shall take timely measures
- e) Pack source tools should be regularly check, and fill in the cable< logging tool condition the radioactive checklist> and <radioactive logging tool condition with drilling the checklist>

5.1.2 Handover

- a) Isotope tape isotope joint radioactive sources with spectrum-stabilizing source or background of tools for source/back to the library before, the team moves test equipment repair handling personnel team instrument according to the task and use the application for the radioactive sources fill in the list and sign, the recently signed after the controller examine and verify, hand in a dangerous product manager for loading and unloading and transportation procedures
- b) Different ground USES radioactive source, each unit to the local environmental protection department in time to use the environmental protection departments and conduction different ground use procedure, the government approval to delivery
- c) If use a third party radioactive source transport vehicles, each work unit and the carrier to sign a strict contracts to define the responsibility and authority of the both parties, with a focus on the carrier shall receiving party delivery party the handover procedures, transit security matters
- d) Radioactive sources at the dock when handover, escorts and transport ships should be common control for the radioactive sources regards recipients single fulfillment of the contract handover procedures

5.2 Storage

5.2.1 The standard of radioactive sources library

Specially for the storage of radioactive sources should comply with the requirements warehouse, specific standard see SY6322-1997 oil field using sealed radioactive sources type storehouse safety technical requirements

5.2.2 The Management of radioactive sources library

The management of radioactive sources library (the loading and unloading, etc.) shall be according to the requirements of the radioactive sources of warehouse management implementation

5.2.3 Sources and background source for management

- a) On any source must be unified in the workshop is fixed region, this area has surveillance cameras monitoring management of 24 hours
- Dangerous product administrator establish spectrum-stabilizing source or background source equipment accounting, and according to the requirements of the radioactive source inventory management

5.2.4 The storage at work site

- The radioactive sources to work, should according to the requirements of the drill in designated position, and set up the Chinese and English ionizing radiation warning marks, when conditions permit to pull cordon
- b) At work site during storage, personnel should be to store every day squad of radioactive sources for tour and fill in the <dangerous goods inspection tour table> to ensure radioactive sources that the security

5.2.5 Source can of identification

Each of the tank is sealed source should indicate the name, type, activity, and phone Numbers and person in charge. Once lost, create conditions for looking

5.2.6 Inspection

Storage units responsible for inspect radioactive sources each year. Specific detection requirements are radioactive sources regulations

5.2.7 Transportation

- 5.2.7.1 Transport shall comply with the requirements of the relevant laws and regulations, and obtain a radioactive source transportation qualification
- 5.2.7.2 Transportation vehicles with radioactive sources, the car around the yield of the appearance dose rate should be less than 0.25 MSV/h; The yield of the cab in source vehicles should be close to the bottom dose rate level; Shipping containers (include source tank) should lock and the body and fixed, tank surface should sign ionizing radiation
- 5.2.7.3 Maritime transport, the source box shall set up buoy, buoy attachment length of at least 100 m (according to determine the sea water depth line length), buoy device in every time before shipment to check and record results
- 5.2.8 In different ground transportation radioactive sources, should hold the environmental protection department issued by the package surface pollution and radiation level of inspection, shipment ground the packing list provide source
- 5.2.9 The radioactive sources returns, confirm the source into the pot, with sources to return to packing record form different sources returns, with packing list should be radioactive sources
- 5.2.10 In the course of carriage, should designate special persons to take charge

5.3 Rules of Using

- 5.3.1 Radioactive staff qualification and health management
 - a) Radioactive staff to the requirements of the physical condition according to occupational health management regulations
 - b) Radioactive staff should pass special training, get radiation homework personnel operation certificate before certificates and wear dose decks radioactive work

5.3.2 Tools

The operation team and test team need serious maintenance and keep pack source tools, every time before loading and unloading source, should control cable logging tool condition the radioactive checklist and with drilling tool condition the radioactive logging check list of calls for inspection of outfit source tools

5.3.3 Company Base using rules

- a) Scale field radiation work area belongs, should be far away from residential areas and the radioactive workplace
- b) Before the scale, should check the source screw, instrument room, and source tools and related equipment working condition
- c) Scale, shall establish alert zone, warning area (open) no less than 30 meters, pull warning belt and placed ionizing radiation warning marks and a special person to care about, irrelevant personnel shall not enter
- d) Scale, should use a special tool loading and unloading source, and protective supplies, wearing personal RA badge
- e) After the completion of the scale, the source should promptly put back on the source and storage tank, and use the source and detector detection radioactive sources cans, radioactive sources confirm that the tank has source
- f) Use neutron generator, the power off after 30 minutes, researchers can close



5.3.4 Work-site working rules

- a) Radioactive sources in operating, the police area should be set up, pull warning belt, set in Chinese and English and ionizing radiation warning marks, irrelevant personnel shall not enter; Loading and unloading source should be broadcasting in advance.
- b) Before and after using, users should be used to probe the source source cans for testing, radioactive sources confirmed in the source container
- c) Cable logging pack before source, should check with the source screw instrument room and install source tools source of working conditions
- d) With drilling logging outfit before source, should clean with drilling logging tool source inlet, check that the source room thread is proper and install source tools working condition and confirm the loop and seals and installation support in place
- Loading and unloading source, the source should be used to protect the dish, the attachment of the holes should keep out, prevent the occurrence of radioactive sources for the fall
- f) Water to clean source mouth, don't let the water splashed into the source the pot, source of water jar to clear in time, avoid to cause source ontology and source cans of thread is rust damage
- g) With drilling radioactive sources logging loading and unloading, should let JingDui personnel advance to the scene to clean up, let pack source personnel have enough space to loading and unloading source, the driller will wear protective clothing, in the pack source command staff, timely, accurate and valid operation, make drilling tools in the location of the source for easy removal remove the radioactive sources, the application of special tools clean source mouth
- h) With drilling logging operations, if in the drill appeared in the process of blocked in card serious phenomenon, the engineer shall be timely and party a's representative to communicate, scheduled for the drifting homework, until the well so far smooth eye may continue to homework; If a customer representative not to agree to the drifting, the engineer shall explain to the potential danger and may cause consequences, and please fill in the risk of service request can homework assignments
- i) For cable logging, radioactive series is usually the first trip to lower well, if in the other series of process found instrument has serious blocked meet card phenomenon, the engineer shall require party 's representative arrangement the drifting if a customer representative not to agree to the drifting, the engineer shall explain to the potential danger and may cause consequences, and please fill in the risk of service request can homework assignments
- j) For complex well conditions of cable radioactive logging operations, such as trip difficult high Angle Wells in the same kind of history logging card well, work unit or site engineers should suggest party a will radioactive series and other series separate logging
- Radioactive sources loading and unloading, should use the specialized tools, should not be manual naked source
- I) Loading and unloading cable logging neutron source, attention shall be paid to the source tail and ontology may occur between the hidden trouble of the SongKou; Loading and unloading cable logging gamma source, two source screw should be good and closely, and pay attention to screw the loading and unloading order winch operators shall radioactive sources at the installation process, listen to the source of the personnel with the command, accurate operation winch
- m) Cable logging radioactive instruments in in well blocked, should not attempt to use blunt way through blocked points
- n) In the process of homework other security precautions to see general work safety procedures



o) Cable logging radioactive instruments stuck need to fishing, should adopt wear core salvage way

5.3.5 Tracer safety use matters

- a) The preparation of the tracer place according to the oil and gas-field sources logging radiological protection standard GB16358 relevant provisions for tracer requirement is equipped with a user manual in Chinese
- b) Engaged in tracer operators, subject to special training to the test
- Logging release tracer appropriate USES underground release methods field work concrete operation requirements, according to oil and gas-field sources logging radiological protection standard GBZ118-2002 requirements

5.4 Isotopes mark source use

- a) In the construction site only one of our people, mark in the field use isotopic source to fill in after mark source site use isotopic confirmation, confirmation should pass site supervision for confirmation of sign; Homework personnel back to the base, will confirm the moves and source library management, as the health care fee and verify the incoming number of isotope certificate
- b) In the construction site have our two or more persons, mark in the field use isotopic source to fill in after mark source site use isotopic confirmation, confirmation to after the homework captain is signed, the absence of captain to other people in the team after signed; Homework personnel back to the base, will confirm the moves and source library management, as the health care fee and verify the incoming number of isotope certificate

5.5 Isotope joint

Used for string of the sign of the depth of the radioactive isotope joint according to source for loading and unloading management, ZuoYeDui is getting isotope after joint, the application of the instrument or instrument check whether meet the isotope source strong construction requirements

5.6 Discarded radioactive sources

5.6.1 Discard conditions

- a) Radioactive sources of leakage
- b) To a certain degree of radioactive sources strength attenuation, already affect the accuracy of the data collection
- c) Long-term redundancy and already abolished measurement project (will not use the radioactive sources) used in the radioactive sources

5.6.2 Discard procedures

- a) Unit of radioactive sources for radioactive sources registered name Numbers strength scrap reason of a written application report, quote apanage branch and the operation safety she for examination and approval
- b) The operation safety with material equipment department and she send equipment technical support to the center of radioactive sources scrap audit, signed the opinions from the competent department of leadership after audit, report company quality department of homeland security for examination and approval
- After the company examination and approval, materials according to the general armaments department, waste materials management program execution requirements
- d) The relevant work unit reported to the local environmental protection department approved, will be submitted to the local environmental protection department sources scrap or to the original suppliers for recovery, our unit with the unit should be signed

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by radioactive sources scrap our unit should keep relevant agreement of radioactive waste recycling disposal or recovery after certificate when we should be to the local unit of radioactive sources registered the original certificate of environmental protection department to deal with the formalities for cancellation

5.7 Emergent Settlement

- 5.7.1 Sources in transport found lost, shall immediately report to the local public security department, and assist the public security departments find, specific demanded to see dangerous goods transport emergency plan
- 5.7.2 In the process of radioactive sources using abandoned emergency, according to sources emergency plan disposal
- 5.7.3 Because of project accident radioactive sources fall after the well not be repaid by the local environmental protection department for approval after sealing the well

6. Supporting documents

Oil and gas-field sources logging radiological protection standard GBZ118-2002

7. Forms

Refer to

WEL-QHSE/PR 7.5.1.3-02

WEL-QHSE/WR 7.5.1-C05-01

WEL-QHSE/WR 7.5.1-C05-02

WEL-QHSE/WR 7.5.1-C05-03

WEL-QHSE/WR 7.5.1-C03-01

WEL-QHSE/ W7.5.1-C02-01

WEL-QHSE/WR 7.5.1-C05-04

Radiation Operation Safety Certifica 辐射安全许可证

According to The People's Republic of China Re.<The prevention and control of radioactive pollution> and devices regulations on safety and protection>'s regulations, approved working on below type & scope RA.

Name of Organization:

China Oilfield Services Limited Zhanjiang Branch

Address:

South office of South oilfield, area 3, Potou, Zhanjiang, Guangdong, Cl

Person in Charge:

Chen Ping

Certification Code:

Yue [00618]

Type & Scope:

Operating on type II sources

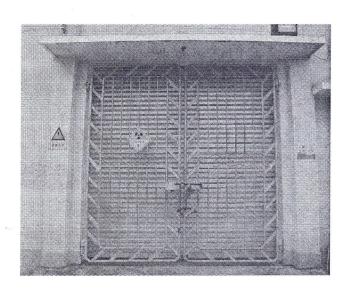
Date of Expirty:

07 Nov, 2016

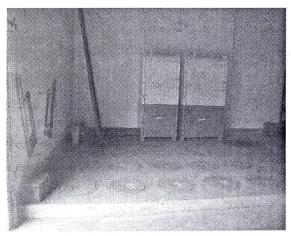
Refer to copies for Constraints and Limitation

油技湛江基地放射源库情况 A schematic of the storage facility

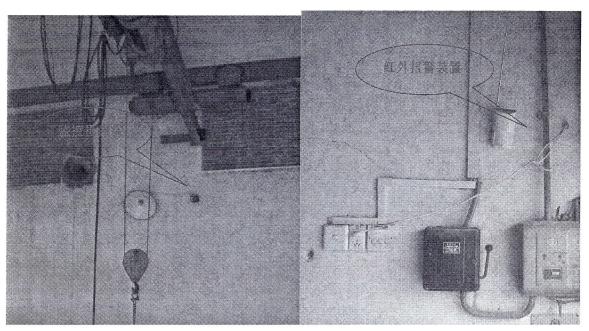
1、源库外墙图片 Storage Outdoor



2、源库内部图片 Storage



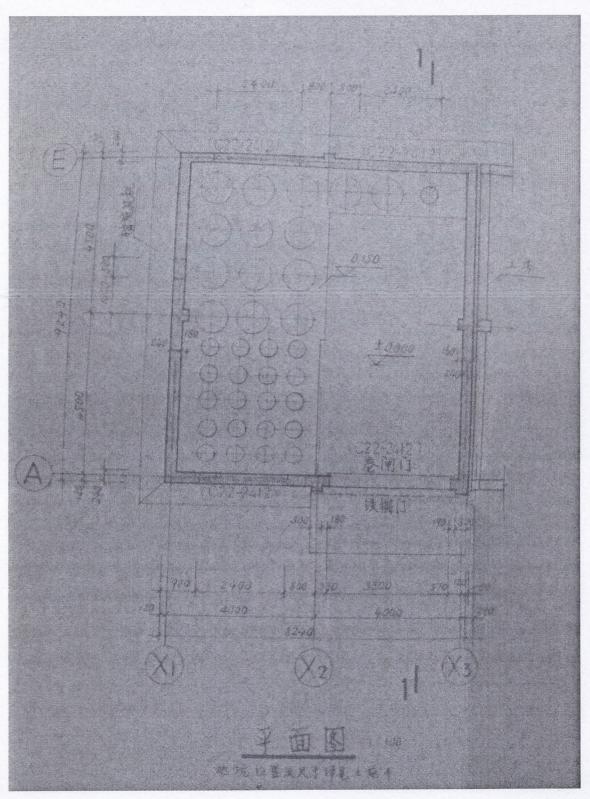
(1)源库内部源坑图片 Tank/Pit



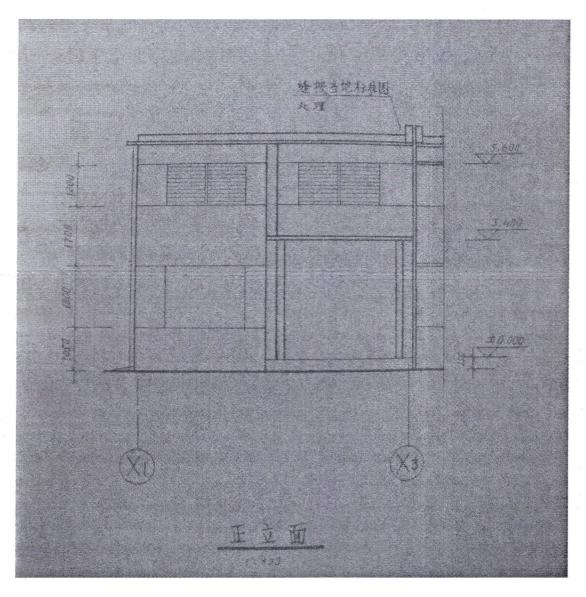
(2)源库监控等设备图片 Monitor & Infrared Alarm

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3、源库平面图纸 Storage Plane blueprint



4、源库正立面图纸 Façade blueprint



5、源库内部源坑平面图 Tank/Pit Plane blueprint

