

# Central File Room Cross Reference Sheet

|                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|
| Record Series: <b>AIR</b>                                                                                        |
| Primary Identification Number (Account / <u>RN</u> ): <b>RN 100609288</b>                                        |
| Secondary Identification Number ( <u>Permit</u> ): <b>Permit 1124536</b>                                         |
| Document Name / <b>Weatherford International LLC</b> <span style="float: right;"><b>CONFIDENTIAL -PBR</b></span> |
| Date of the Document: <b>11/7/13</b>                                                                             |

*Complete Sections below as applicable:*

|                                                                       |
|-----------------------------------------------------------------------|
| <b>CROSS REFERENCE the Above Information to the Following Record:</b> |
| Record Series: <b>AIR</b>                                             |
| Primary Identification Number (Account / RN): <b>RN</b>               |
| Secondary Identification Number (Permit): <b>Permit</b>               |
| Comments:                                                             |

☒ **MIXED: CONFIDENTIAL / Non-Confidential folders. Attach a copy of this sheet to all folders.**

Comments:

## The Following MEDIA Were Removed From the Record:

☐ Maps
 ☐ Photos
 ☐ CD
 ☐ DVD
 ☐ Oversize Documents

Document Name / Number:

Date of the Document:

Location of the Media:

- *Maps, Photos, and Oversize Documents* (information that cannot be folded to fit into an 8.5x11 folder) are filed into their own folders within the Central File Room.
- *Compact Disks* should be submitted following the procedures found in Chapter 5 of the Records Management Manual.
- *Floppy disks* are not accepted by the Central File Room. Information on this media should be printed or converted to a Compact Disk format.
- *A copy of this cross reference sheet* should be attached to all documents removed from a record.

Additional Comments:

**RECEIVED**

DEC 09 2013

TCEQ  
CENTRAL FILE ROOM

Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
*Protecting Texas by Reducing and Preventing Pollution*

November 7, 2013

MR JOE ISAAC  
DIRECTOR OF MANUFACTURING  
WEATHERFORD INTERNATIONAL LLC  
15710 JOHN F KENNEDY BLVD  
HOUSTON TX 77032-2350

|                                     |                                             |
|-------------------------------------|---------------------------------------------|
| Permit by Rule Registration Number: | 114536                                      |
| Location/City/County:               | 3044 Wichita Ct, Fort Worth, Tarrant County |
| Project Description/Unit:           | Weatherford International Fort Worth        |
| Regulated Entity Number:            | RN100609288                                 |
| Customer Reference Number:          | CN601289648                                 |
| New or Existing Site:               | New                                         |
| Affected Permit (if applicable):    | None                                        |
| Renewal Date (if applicable):       | None                                        |

Weatherford International, LLC has certified the emissions associated with the Weatherford International Fort Worth under Title 30 Texas Administrative Code §106.433. Company is also claiming §106.221 and §106.452. For rule information see:

[www.tceq.texas.gov/permitting/air/nav/numerical\\_index.html](http://www.tceq.texas.gov/permitting/air/nav/numerical_index.html)

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Mr. Robert Chavez at (512) 239-0442.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager  
Rule Registrations Section  
Air Permits Division

cc: Environmental Program Manager, Transportation & Public Works/Environmental  
Services Air Pgm, City of Fort Worth, Fort Worth  
Air Section Manager, Region 4 - Fort Worth

Project Number: 200612

# Emission Sources - Certified Emission Rates

Registration Number 114536

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

| ESTIMATED EMISSIONS         |                                  |           |     |           |     |            |     |                  |       |                   |       |                 |     |        |     |
|-----------------------------|----------------------------------|-----------|-----|-----------|-----|------------|-----|------------------|-------|-------------------|-------|-----------------|-----|--------|-----|
| EPN / Emission Source       | Specific VOC or Other Pollutants | VOC       |     | NOx       |     | CO         |     | PM <sub>10</sub> |       | PM <sub>2.5</sub> |       | SO <sub>2</sub> |     | HAPs   |     |
|                             |                                  | lbs/hr    | tpy | lbs/hr    | tpy | lbs/hr     | tpy | lbs/hr           | tpy   | lbs/hr            | tpy   | lbs/hr          | tpy | lbs/hr | tpy |
| Surface Coating             |                                  | 1.5       | 5.6 |           |     |            |     | <0.01            | <0.01 | <0.01             | <0.01 |                 |     | 1.5    | 5.6 |
| Blasting                    |                                  |           |     |           |     |            |     | <0.01            | <0.01 | <0.01             | <0.01 |                 |     |        |     |
| TOTAL EMISSIONS (TPY):      |                                  |           | 5.6 |           |     |            |     |                  | <0.01 |                   | <0.01 |                 |     |        | 5.6 |
| MAXIMUM OPERATING SCHEDULE: |                                  | Hours/Day |     | Days/Week |     | Weeks/Year |     | Gallons/Year     |       | 1800              |       |                 |     |        |     |

# TECHNICAL REVIEW: AIR PERMIT BY RULE

|                     |        |                      |                                      |                      |                   |
|---------------------|--------|----------------------|--------------------------------------|----------------------|-------------------|
| <b>Permit No.:</b>  | 114536 | <b>Company Name:</b> | Weatherford International, LLC       | <b>APD Reviewer:</b> | Mr. Robert Chavez |
| <b>Project No.:</b> | 200612 | <b>Unit Name:</b>    | Weatherford International Fort Worth | <b>PBR No(s).:</b>   | 106.433           |

| GENERAL INFORMATION            |                            |                                   |                            |
|--------------------------------|----------------------------|-----------------------------------|----------------------------|
| <b>Regulated Entity No.:</b>   | RN100609288                | <b>Project Type:</b>              | Permit by Rule Application |
| <b>Customer Reference No.:</b> | CN601289648                | <b>Date Received by TCEQ:</b>     | October 23, 2013           |
| <b>Account No.:</b>            | TA-2182-S                  | <b>Date Received by Reviewer:</b> | October 29, 2013           |
| <b>City/County:</b>            | Fort Worth, Tarrant County | <b>Physical Location:</b>         | 3044 Wichita Ct            |

| CONTACT INFORMATION                                              |                                                                   |                   |                |               |                           |
|------------------------------------------------------------------|-------------------------------------------------------------------|-------------------|----------------|---------------|---------------------------|
| <b>Responsible Official/<br/>Primary Contact Name and Title:</b> | Mr. Joe Isaac<br>Director Of Manufacturing                        | <b>Phone No.:</b> | (832) 590-4323 | <b>Email:</b> | JOE.ISAAC@WEATHERFORD.COM |
|                                                                  |                                                                   | <b>Fax No.:</b>   |                |               |                           |
| <b>Technical Contact/<br/>Consultant Name and Title:</b>         | Mr. Joe Dandy<br>Sr Environmental Manager-<br>global Supply Chain | <b>Phone No.:</b> | (281) 260-1937 | <b>Email:</b> | JOE.DANDY@WEATHERFORD.COM |
|                                                                  |                                                                   | <b>Fax No.:</b>   |                |               |                           |

| GENERAL RULES CHECK                                                            | YES | NO | COMMENTS                                                                                                                                                                          |
|--------------------------------------------------------------------------------|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is confidential information included in the application?                       | X   |    | Confidential information included in application. Detailed process description and calculation methodology for emissions is in the confidential information of the application.   |
| Are there affected NSR or Title V permits for the project?                     |     | X  |                                                                                                                                                                                   |
| Is each PBR > 25/250 tpy?                                                      |     | X  |                                                                                                                                                                                   |
| Are PBR sitewide emissions > 25/250 tpy?                                       |     | X  |                                                                                                                                                                                   |
| Are there permit limits on using PBRs at the site?                             |     | X  |                                                                                                                                                                                   |
| Is PSD or Nonattainment netting required?                                      |     | X  | This site is not one of the 28 named sources and emissions are below the federal significance as major sources levels. Therefore, PSD and NA review and netting are not required. |
| Do NSPS, NESHAP, or MACT standards apply to this registration?                 | X   |    | MACT MMMM: recordkeeping only and certified not a major source of HAPs<br>MACT XXXXXX: oil and gas field machinery                                                                |
| Does NOx Cap and Trade apply to this registration?                             |     | X  | Site is not in the HGA                                                                                                                                                            |
| Is the facility in compliance with all other applicable rules and regulations? | X   |    | In compliance with all rules and regulations. Company is applicable and in compliance with Ch. 115                                                                                |

| DESCRIBE OVERALL PROCESS AT THE SITE                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weatherford International owns and operates the surface coating facility located near Fort Worth, Tarrant County.<br>Weatherford operates an oilfield packer manufacturing facility where surface coating activities occur. |

| DESCRIBE PROJECT AND INVOLVED PROCESS                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company has submitted a PI-7CERT for registration and supporting documentation under PBR rules 106.433 Surface Coating Facilities. Company is also claiming 106.452 Dry Abrasive Cleaning and 106.221 Extrusion Process.<br>MSS emissions are minimal but accounted for in application summary table. |

| TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>§106.433 Surface Coating Facility</b><br>(1) Metalizing is not being performed at this site.<br>(2) Good housekeeping procedures will be practiced including:<br>(a) Spills are cleaned up immediately<br>(b) Booth and work area exhaust fans are operated during spray gun and equipment cleaning.<br>(c) All new and used coatings and solvents will be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.<br>(3) No Non-electric drying ovens are used.<br>(4) There are no add-on controls used to reduce VOC emissions.<br>(a) The total annual VOC emission rate for all surface coating and/or stripping facilities at this site is 5.6 tpy VOC and 0 tpy of exempt solvents.<br>(b) The total hourly VOC emission rate for all surface coating and/or stripping facilities at this site is 1.5 lb/hr of VOCs and 0 lb/hr of exempt solvents.<br>(c) The total maximum hourly emission rates of VOC and exempt solvents are greater than 0.25 lb/hr (actual: 1.5 lb/hr).<br>(5) Opacity of visible emissions from new and existing surface coating facilities will not exceed 5.0%.<br>(6) N/A. Surface coating operations is performed outdoors.<br>(7) Surface coating performed outdoors. |

# TECHNICAL REVIEW: AIR PERMIT BY RULE

|                     |        |                      |                                      |                      |                   |
|---------------------|--------|----------------------|--------------------------------------|----------------------|-------------------|
| <b>Permit No.:</b>  | 114536 | <b>Company Name:</b> | Weatherford International, LLC       | <b>APD Reviewer:</b> | Mr. Robert Chavez |
| <b>Project No.:</b> | 200612 | <b>Unit Name:</b>    | Weatherford International Fort Worth | <b>PBR No(s).:</b>   | 106.433           |

(a) The proposed maximum hourly VOC emissions rate averaged over any continuous five-hour period is **1.5 lb/hr** and the proposed maximum weekly VOC emission rate is **215 lb/wk**.

(b) Coatings are applied via rollers. Therefore (c) and (d) do not apply

(c) N/A. Distance limits do not apply since facility is using rollers

(d) N/A.

(8) Records will be maintained at the plant site for the most recent 24 months. Records include:

(a) Material Safety Data Sheets for all coating materials and solvents.

(b) Data of daily coatings and solvent use and the actual hours of operation of each coating and stripping operation.

(c) A summary report for each month that represents actual hours of operation and emissions from each operation to include:

(i) pounds per hour

(ii) pounds per day

(iii) pounds per week

(iv) tons emitted from the site during the previous 12 months

(d) Company currently maintains a monthly report that shows examples of the method of data reduction including units, conversion factors, assumptions, and the basis of the assumptions used to estimate emissions.

(9) A form PI-7CERT was received to register the facility and certify the emissions.

## §106.452 Dry Abrasive Cleaning

1. Dry abrasive cleaning operations take place in an enclosed environment.

(A) A cartridge dust collector is used with a maximum filtering velocity of **6 ft/min** with air cleaning.

(B) There are no visible emissions.

2. -N/A Facility qualify as an enclosed facility.

## COMMUNICATION LOG

| Date    | Time    | Name/Company          | Subject of Communication                                                                                                                                                                                                                                                                          |
|---------|---------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11/4/13 | 8:45 AM | Robert Chavez/TCEQ    | (phone call) Mr. Chavez called Mr. Joe Dandy to inform him that if it would be alright to assume HAPs equal amount of VOCs for worst case, PM emissions for dry abrasive cleaning and the paint need to be calculated and if he wants to claim 106.221 (extrusion presses). A voicemail was left. |
| 11/6/13 | 8:56 AM | Joe Dandy/Weatherford | (phone call) Mr. Dandy called Mr. Chavez to inform him that it was ok to assume that HAPs equal VOCs for worst case, mentioned that PM emissions were in application for both paint and blasting, and that he also would like to claim 106.221.                                                   |

## ESTIMATED EMISSIONS

| EPN / Emission Source         | Specific VOC or Other Pollutants | VOC    |            | NOx    |     | CO     |     | PM <sub>10</sub> |                 | PM <sub>2.5</sub> |                 | SO <sub>2</sub> |     | HAPs   |            |
|-------------------------------|----------------------------------|--------|------------|--------|-----|--------|-----|------------------|-----------------|-------------------|-----------------|-----------------|-----|--------|------------|
|                               |                                  | lbs/hr | tpy        | lbs/hr | tpy | lbs/hr | tpy | lbs/hr           | tpy             | lbs/hr            | tpy             | lbs/hr          | tpy | lbs/hr | tpy        |
| Surface Coating               |                                  | 1.5    | 5.6        |        |     |        |     | <0.01            | <0.01           | <0.01             | <0.01           |                 |     | 1.5    | 5.6        |
| Blasting                      |                                  |        |            |        |     |        |     | <0.01            | <0.01           | <0.01             | <0.01           |                 |     |        |            |
| <b>TOTAL EMISSIONS (TPY):</b> |                                  |        | <b>5.6</b> |        |     |        |     |                  | <b>&lt;0.01</b> |                   | <b>&lt;0.01</b> |                 |     |        | <b>5.6</b> |

|                                    |                  |  |                  |  |                   |  |                     |      |
|------------------------------------|------------------|--|------------------|--|-------------------|--|---------------------|------|
| <b>MAXIMUM OPERATING SCHEDULE:</b> | <b>Hours/Day</b> |  | <b>Days/Week</b> |  | <b>Weeks/Year</b> |  | <b>Gallons/Year</b> | 1800 |
|------------------------------------|------------------|--|------------------|--|-------------------|--|---------------------|------|

| SITE REVIEW / DISTANCE LIMIT | Yes | No | Description/Outcome                                                                    | Date             | Reviewed by   |
|------------------------------|-----|----|----------------------------------------------------------------------------------------|------------------|---------------|
| Site Review Required?        | X   |    | Site review conducted on October 29, 2013 by Nixalis Benitez of Region 4 office        | November 1, 2013 | Robert Chavez |
| PBR Distance Limits Met?     | X   |    | N/A. Facility is using rollers and not spray equipment. Distance limits does not apply | November 1, 2013 | Robert Chavez |

## COMPLIANCE HISTORY

In accordance with 30 TAC Chapter 60, a compliance history report was reviewed on: 11/4/13

The compliance period was from 11/4/13 to 08/31/13

Site rating & classification? Unclassified; o Company rating & classification? High; o

If site was unsatisfactory, what action(s) occurred as a result? (i.e. changes to permit, reduced renewal period, etc.) N/A

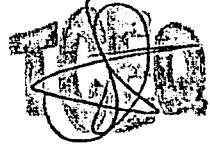
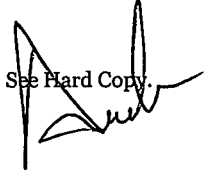
If the rating is 50<RATING<55, what was the outcome, if any, based on the findings in the formal report? N/A

Is the permit recommended to be denied on the basis of compliance history or rating? No

Has the permit changed on the basis of the compliance history or rating? No

# **TECHNICAL REVIEW: AIR PERMIT BY RULE**

|                     |        |                      |                                      |                      |                   |
|---------------------|--------|----------------------|--------------------------------------|----------------------|-------------------|
| <b>Permit No.:</b>  | 114536 | <b>Company Name:</b> | Weatherford International, LLC       | <b>APD Reviewer:</b> | Mr. Robert Chavez |
| <b>Project No.:</b> | 200612 | <b>Unit Name:</b>    | Weatherford International Fort Worth | <b>PBR No(s).:</b>   | 106.433           |

|                      | TECHNICAL REVIEWER                                                                | PEER REVIEWER                                                                      | FINAL REVIEWER                                                                                        |
|----------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>SIGNATURE:</b>    |  |  | <br>See Hard Copy. |
| <b>PRINTED NAME:</b> | Mr. Robert Chavez                                                                 | Mr. Joe Shine                                                                      | Ms. Anne M. Inman, P.E., Manager                                                                      |
| <b>DATE:</b>         | November 4, 2013                                                                  | November 7, 2013                                                                   | November 7, 2013                                                                                      |

| BASIS OF PROJECT POINTS                       | POINTS |
|-----------------------------------------------|--------|
| Base Points:                                  | 1.5    |
| Project Complexity Description and Points:    |        |
| Complete in <14 days                          | 1.0    |
| 106.452                                       | 0.5    |
| 106.221                                       | 0.5    |
| Communication (X2)                            | 0.25   |
| Technical Reviewer Project Points Assessment: | 3.75   |
| Final Reviewer Project Points Confirmation:   |        |

FMDAL

## 11/07/2013 -----NSR IMS - PROJECT RECORD -----

PROJECT#: 200612      PERMIT#: 114536      STATUS: PENDING  
RECEIVED: 10/23/2013      PROJTYPE: INITIAL      AUTHTYPE: PBR  
RENEWAL:  
PROJECT ADMIN NAME: WEATHERFORD INTERNATIONAL FORT WORTH  
PROJECT TECH NAME: WEATHERFORD INTERNATIONAL FORT WORTH

DISP CODE: C  
ISSUED DT: 11/2/13

3.75 Joe

## Assigned Team: RULE REG SECTION

## STAFF ASSIGNED TO PROJECT:

PIPER, STEVEN      - REVIEWR1\_2 -      AP INITIAL REVIEW  
CHAVEZ, ROBERT      - REVIEW ENG -      RR TEAM

## CUSTOMER INFORMATION (OWNER/OPERATOR DATA)

ISSUED TO: WEATHERFORD INTERNATIONAL, LLC  
COMPANY NAME: Weatherford International, LLC  
CUSTOMER REFERENCE NUMBER: CN601289648

## REGULATED ENTITY/SITE INFORMATION

REGULATED ENTITY NUMBER: RN100609288      ACCOUNT: TA2182S  
PERMIT NAME: WEATHERFORD INTERNATIONAL LLC

## REGULATED ENTITY LOCATION: 3044 WICHITA CT

REGION 04 - DFW METROPLEX      NEAR CITY: FORT WORTH      COUNTY: TARRANT

## CONTACT DATA

CONTACT NAME: MR JOE ISAAC      CONTACT ROLE: RESPONSIBLE OFFICIAL  
JOB TITLE: DIRECTOR OF MANUFACTURING      ORGANIZATION: WEATHERFORD INTERNATIONAL LLC  
MAILING ADDRESS: 15710 JOHN F KENNEDY BLVD, HOUSTON, TX, 77032-2350  
PHONE: (832) 590-4323 Ext: 0  
EMAIL: JOE.ISAAC@WEATHERFORD.COM

CONTACT NAME: MR JOE DANDY      CONTACT ROLE: TECHNICAL CONTACT  
JOB TITLE: SR ENVIRONMENTAL MANAGER-GLOBAL SUPPLY CHAIN      ORGANIZATION: WEATHERFORD INTERNATIONAL LLC  
MAILING ADDRESS: 15710 JOHN F KENNEDY BLVD, HOUSTON, TX, 77032-2350  
PHONE: (281) 260-1937 Ext: 0  
EMAIL: JOE.DANDY@WEATHERFORD.COM

## PROJECT NOTES:

10/24/2013      DFC

## PERMIT NOTES:

## FEE:

| Reference | Fee Receipt Number | Amount | Fee Receipt Date | Fee Payment Type |
|-----------|--------------------|--------|------------------|------------------|
| 191063    |                    | 450.00 |                  | ePAY             |

## TRACKING ELEMENTS:

| TE Name                                             | Start Date | Complete Date |
|-----------------------------------------------------|------------|---------------|
| APIRT RECEIVED PROJECT (DATE)                       | 10/23/2013 |               |
| APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE) | 10/24/2013 |               |
| SITE REVIEW RFC SENT TO REGION (DATE)               | 10/24/2013 |               |
| ENGINEER INITIAL REVIEW COMPLETED (DATE)            | 10/29/2013 |               |
| PROJECT RECEIVED BY ENGINEER (DATE)                 | 10/29/2013 |               |
| DEFICIENCY CYCLE                                    | 11/04/2013 | 11/06/2013    |
| PEER / MANAGER REVIEW PERIOD                        | 11/06/2013 | 11/07/2013    |
| CENTRAL REGISTRY UPDATED                            |            |               |

---

**UNIT TYPES:**

Project Unit Type:

---

**PROJECT RULES:**

| Unit Desc             | Rule Desc | Request Type | On Application | Approve |
|-----------------------|-----------|--------------|----------------|---------|
| SURFACE COAT FACILITY | 106.433 - | ADD          | Y              | APPROVE |

**PERMIT RULES:**

| Unit Desc | Rule Desc | Start Date | End Date |
|-----------|-----------|------------|----------|
|-----------|-----------|------------|----------|

---

**PROJECT ATTRIBUTES:**

| Attributes    | Value |
|---------------|-------|
| CERT_PL_7     |       |
| PROJECT POINT |       |



**10/24/2013 -----NSR IMS - PROJECT RECORD -----**

**PROJECT#:** 200612      **PERMIT#:** 114536      **STATUS:** PENDING      **DISP CODE:** \_\_\_\_\_  
**RECEIVED:** 10/23/2013      **PROJTYPE:** INITIAL      **AUTHTYPE:** PBR      **ISSUED DT:** \_\_\_\_\_  
**RENEWAL:**  
**PROJECT ADMIN NAME:** WEATHERFORD INTERNATIONAL FORT WORTH  
**PROJECT TECH NAME:** WEATHERFORD INTERNATIONAL FORT WORTH

**Assigned Team:RULE REG SECTION****STAFF ASSIGNED TO PROJECT:**

PIPER , STEVEN                      - REVIEWR1\_2 -                      AP INITIAL REVIEW  
TEAM LEADER , RR                      - REVIEW ENG -                      RULE REG SECTION

**CUSTOMER INFORMATION (OWNER/OPERATOR DATA)**

**ISSUED TO:** WEATHERFORD INTERNATIONAL, LLC  
**COMPANY NAME:** Weatherford International, LLC  
**CUSTOMER REFERENCE NUMBER:** CN601289648

**REGULATED ENTITY/SITE INFORMATION**

**REGULATED ENTITY NUMBER:** RN100609288                      **ACCOUNT:** TA2182S  
**PERMIT NAME:** WEATHERFORD INTERNATIONAL LLC

**REGULATED ENTITY LOCATION:** 3044 WICHITA CT

**REGION 04 - DFW METROPLEX**      **NEAR CITY:** FORT WORTH                      **COUNTY:** TARRANT

**CONTACT DATA**

**CONTACT NAME:** MR JOE ISAAC                      **CONTACT ROLE:** RESPONSIBLE OFFICIAL  
**JOB TITLE:** DIRECTOR OF MANUFACTURING      **ORGANIZATION:** WEATHERFORD INTERNATIONAL LLC  
**MAILING ADDRESS:** 15710 JOHN F KENNEDY BLVD, HOUSTON, TX, 77032-2350  
**PHONE:** (832) 590-4323 Ext: 0  
**EMAIL:** JOE.ISAAC@WEATHERFORD.COM

**CONTACT NAME:** MR JOE DANDY

**CONTACT ROLE:** TECHNICAL CONTACT

**JOB TITLE:** SR ENVIRONMENTAL MANAGER-GLOBAL  
SUPPLY CHAIN

**ORGANIZATION:** WEATHERFORD  
INTERNATIONAL LLC

**MAILING ADDRESS:** 15710 JOHN F KENNEDY BLVD, HOUSTON, TX, 77032-2350

**PHONE:** (281) 260-1937 Ext: 0

**EMAIL:** JOE.DANDY@WEATHERFORD.COM

**PROJECT NOTES:**

10/24/2013 DFC

**PERMIT NOTES:****FEE:**

| Reference | Fee Receipt Number | Amount | Fee Receipt Date | Fee Payment Type |
|-----------|--------------------|--------|------------------|------------------|
| 191063    |                    | 450.00 |                  | ePAY             |

**TRACKING ELEMENTS:**

| TE Name                                             | Start Date | Complete Date |
|-----------------------------------------------------|------------|---------------|
| APIRT RECEIVED PROJECT (DATE)                       | 10/23/2013 |               |
| APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE) | 10/24/2013 |               |
| SITE REVIEW RFC SENT TO REGION (DATE)               | 10/24/2013 |               |
| CENTRAL REGISTRY UPDATED                            |            |               |
| DEFICIENCY CYCLE                                    |            |               |
| ENGINEER INITIAL REVIEW COMPLETED (DATE)            |            |               |
| PEER / MANAGER REVIEW PERIOD                        |            |               |
| PROJECT RECEIVED BY ENGINEER (DATE)                 |            |               |

**PROJECT RULES:**

| Unit Desc             | Rule Desc | Request Type | On Application | Approve |
|-----------------------|-----------|--------------|----------------|---------|
| SURFACE COAT FACILITY | 106.433 - | ADD          | Y              | APPROVE |

**PERMIT RULES:**

| Unit Desc | Rule Desc | Start Date | End Date |
|-----------|-----------|------------|----------|
|-----------|-----------|------------|----------|

**PROJECT ATTRIBUTES:**

| Attributes    | Value |
|---------------|-------|
| PROJECT POINT |       |



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

The TCEQ **requires** that a complete Core Data Form bearing an original signature be submitted on all incoming applications unless a Regulated Entity and Customer Reference Number have been issued by the TCEQ and no core data information has changed. For more information regarding the Core Data Form, call (512) 239-5175 or go to the TCEQ Web site at [www.tceq.texas.gov/permitting/central\\_registry/guidance.html](http://www.tceq.texas.gov/permitting/central_registry/guidance.html).

|                                                                                                                             |  |                 |                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------|--|-----------------|---------------------------------------------------------------------------------|
| <b>I. Registrant Information</b>                                                                                            |  |                 |                                                                                 |
| A. Company or Other Legal Customer Name: Weatherford International LLC                                                      |  |                 |                                                                                 |
| Company Official Contact Name: Joe Isaac                                                                                    |  |                 |                                                                                 |
| Title: Director of Manufacturing                                                                                            |  |                 |                                                                                 |
| Mailing Address: 15710 John F. Kennedy Blvd.                                                                                |  |                 |                                                                                 |
| City: Houston                                                                                                               |  | State: TX       |                                                                                 |
| Phone: 832-590-4323                                                                                                         |  | Fax:            |                                                                                 |
| E-mail: joe.isaac@weatherford.com                                                                                           |  | ZIP Code: 77032 |                                                                                 |
| B. Technical Contact Name: Joe Dandy                                                                                        |  |                 |                                                                                 |
| Title: Sr. Environmental Manager – Global Supply Chain                                                                      |  |                 |                                                                                 |
| Company: Weatherford International LLC                                                                                      |  |                 |                                                                                 |
| Mailing Address: 15710 John F. Kennedy Blvd.                                                                                |  |                 |                                                                                 |
| City: Houston                                                                                                               |  | State: TX       |                                                                                 |
| Phone: 281-260-1937                                                                                                         |  | Fax:            |                                                                                 |
| E-mail: joe.dandy@weatherford.com                                                                                           |  | ZIP Code: 77032 |                                                                                 |
| C. Facility Location Information - Street Address: 3024 Wichita Court                                                       |  |                 |                                                                                 |
| If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed) |  |                 |                                                                                 |
| City: Fort Worth                                                                                                            |  | County: Tarrant |                                                                                 |
| ZIP Code: 76140                                                                                                             |  |                 |                                                                                 |
| D. Is the Core Data Form (TCEQ Form 10400) attached?                                                                        |  |                 | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO             |
| If "No," provide customer reference number and regulated entity number below:                                               |  |                 |                                                                                 |
| Customer Reference Number (CN): CN601289648                                                                                 |  |                 |                                                                                 |
| Regulated Entity Number (RN): RN100609288                                                                                   |  |                 |                                                                                 |
| <b>II. Facility and Site Information</b>                                                                                    |  |                 |                                                                                 |
| A. Name and Type of Facility: Packer Systems Manufacturing                                                                  |  |                 | <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable |
| B. PBR claimed under <b>30 TAC 106</b> (List all):                                                                          |  |                 |                                                                                 |
| 106.433                                                                                                                     |  | 106.            |                                                                                 |
|                                                                                                                             |  | 106.            |                                                                                 |



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

**II. Facility and Site Information (continued))**

Are you claiming a **historical standard exemption or PBR**? ☐ YES ☒ NO

*"YES," enter effective date(s) and rule number(s) in the spaces provided below.*

| Effective Date | Rule Number |
|----------------|-------------|
|                |             |
|                |             |

C. Is there a previous Standard Exemption or PBR for the facility in this registration? ☐ YES ☒ NO

*If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.*

| Registration Number | Effective Date | Rule Number |
|---------------------|----------------|-------------|
|                     |                |             |
|                     |                |             |

D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR? ☐ YES ☒ NO

*If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.*

| Registration Number | Effective Date | Rule Number |
|---------------------|----------------|-------------|
|                     |                |             |
|                     |                |             |

E. Are there any other air preconstruction permits at this site? ☐ YES ☒ NO

*If "YES," enter permit number(s) in the spaces provided below.*

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

Are there any other air preconstruction permits at this site that would be directly associated with this project? ☐ YES ☒ NO

*If "YES," enter permit number(s) in the spaces provided below.*

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

F. Is this facility located at a site which is required to obtain a Federal Operating Permit (FOP) pursuant to 30 TAC Chapter 122? ☐ YES ☒ NO ☐ To be determined

If the site currently has an existing federal operating permit, enter the permit number.

Check the requirements of 30 TAC Chapter 122 that will be triggered if this certification is accepted.

☐ Initial Application for an FOP    ☐ Significant Revision for an SOP    ☐ Minor Revision for an SOP

☐ Operational Flexibility/off Permit Notification for an SOP    ☐ Revision for GOP

☐ To be Determined    ☒ None



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

**II. Facility and Site Information (continued)**

Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. *(Check all that apply)*

- |                                         |                                                                                               |                                                                                               |
|-----------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <input type="checkbox"/> SOP            | <input type="checkbox"/> GOP                                                                  | <input type="checkbox"/> GOP application/revision application: Submitted or under APD review. |
| <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> SOP application/revision application: submitted or under APD review. |                                                                                               |

G. TCEQ Account Identification Number (*if known*):

**III. Fee Information**

See Section VIII. for address to send fee or go to [www6.tceq.texas.gov/epayto](http://www6.tceq.texas.gov/epayto) pay online.

|                                                                                                                           |                                                                     |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| A. Is this certification to solely establish a federally enforceable emission limit and not authorize any new facilities? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|

If "YES," then no fee is required.

If "NO," then go to Section III.B.

B. If "YES," to any of the following three questions, a **\$100** fee is required. Otherwise, a **\$450** fee is required.

- |                                                                                                |                                                                     |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Does this business have less than 100 employees?                                               | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| Does this business have less than 6 million dollars in annual gross receipts?                  | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| Is this registration submitted by a governmental entity with a population of less than 10,000? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

|                                                         |                                                       |
|---------------------------------------------------------|-------------------------------------------------------|
| C. Enter the check, money order, or transaction number. | ePay Voucher Number <b>191063</b> (see attached copy) |
|---------------------------------------------------------|-------------------------------------------------------|

Enter the individual or company name printed on the check. (*below*)

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Fee amount ( <i>spell out</i> ): | \$450                                                               |
| Was fee <b>Paid</b> online?      | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

**IV. Selected Facility Reviews Only—Technical Information**

*Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:*

*Animal Feeding Operations 30 TAC 106.161, Livestock Auction Facilities 30 TAC 106.162, Saw Mills 30 TAC 106.223, Grain Handling, Storage and Drying 30 TAC 106.283, Auto Body Refinishing Facilities 30 TAC 106.436, and Air Curtain Incinerator 30 TAC 106.496*

- |                                                                                                                                               |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| B. Distance from this facility's emission release point to the nearest property line:                                                         | feet                                                                |
| Distance from this facility's emission release point to the nearest off-property structure:                                                   | feet                                                                |



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

**V. TECHNICAL INFORMATION - The following information must be submitted with Form PI-7-CERT. Place a check next to the appropriate box to verify you have included it in the submittal.**

|                                                                                  |                                                                     |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Process Flow Diagram and Process Description | <input checked="" type="checkbox"/> Emissions data and calculations |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------|

☒ Table 1(a) (Form 10153) Emission Point Summary

☒ Confidential Information (All pages properly marked "CONFIDENTIAL")

|                                                                             |                                                                                  |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Has the company implemented the project or waiting on a response from TCEQ? | <input checked="" type="checkbox"/> Implemented <input type="checkbox"/> Waiting |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|

Projected Start of Construction Date:

|                                                                              |                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Is this an annual certification under 30 TAC Chapter 106.261 and/or 106.262? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
|------------------------------------------------------------------------------|---------------------------------------------------------------------|

☒ Information on meeting the specific PBR requirements (*PBR checklists maybe used and are optional.*)

☒ Information on meeting the general PBR requirements 30 TAC 106.4. (*PBR checklists maybe used and are optional.*)

*Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under **30 TAC Chapter 101, Subchapter H, Division 3**, the owner/operator of these facilities must possess NO<sub>x</sub> allowances equivalent to the actual NO<sub>x</sub> emissions from these facilities.*

|                                                                                    |         |
|------------------------------------------------------------------------------------|---------|
| Distance from this facility's emission release point to the nearest property line: | 18 feet |
|------------------------------------------------------------------------------------|---------|

|                                                                                             |         |
|---------------------------------------------------------------------------------------------|---------|
| Distance from this facility's emission release point to the nearest off-property structure: | 20 feet |
|---------------------------------------------------------------------------------------------|---------|

*Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.*

**VI. DELINQUENT FEES**

This form **will not be processed** until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ is paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: [www.tceq.texas.gov/agency/delin/index.html](http://www.tceq.texas.gov/agency/delin/index.html).



Texas Commission on Environmental Quality  
Form PI-7-CERT  
Certification and Registration for Permits by Rule

**VII. SIGNATURE FOR CERTIFICATION AND REGISTRATION**

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. **If you questions on how to fill out this form or about air quality permits. Please call (512) 239-1250.** *Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call (512) 239-3282.*

SIGNATURE: \_\_\_\_\_

10/21/13  
DATE

**(ORIGINAL SIGNATURE REQUIRED)**



Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

**Transaction Information**

**Voucher Number:** 191063  
**Trace Number:** 582EA000151821  
**Date:** 10/21/2013 12:52 PM  
**Payment Method:** CC - Authorization 0000077223  
**Amount:** \$450.00  
**Fee Type:** Permit by Rule (PBR) Fee  
**ePay Actor:** Joe Dandy  
**Actor Email:** joe.dandy@weatherford.com  
**IP:** 50.58.26.98

**Payment Contact Information**

**Name:** Joe Dandy  
**Company:** Weatherford  
**Address:** 15710 John F Kennedy Blvd, Houston, TX 77032  
**Phone:** 281-260-1937

**Site Information**

**RN:** RN100609288  
**Site Name:** ALPHA OIL TOOLS  
**Site Address:** 3024 WICHITA COURT, FORT WORTH, TX 76140

**Customer Information**

**CN:** CN601289648  
**Customer Name:** WEATHERFORD INTERNATIONAL LLC  
**Customer Address:** 15710 JOHN F KENNEDY BLVD, HOUSTON, TX 77032

[Close](#)

[Site Help](#) | [Disclaimer](#) | [Web Policies](#) | [Accessibility](#) | [Helping Our Customers](#) | [TCEQ Homeland Security](#) | [Contact Us](#) | [Customer Survey](#)



Last Modified 12/4/08

© 2002 - 2008 Texas Commission on Environmental Quality





**Weatherford®**

RECEIVED  
OCT 23 2013  
AIR PERMITS DIVISION

October 21, 2013

Air Permits Initial Review Team (APIRT)  
MC161, P.O. Box 13087  
Austin, TX 78711-3087

RE: Permit-by-Rule registration for Weatherford International LLC @ 3024 Wichita Court, Fort Worth, TX

Dear Sir or Madam;

Please accept the attached Permit by Rule application for Weatherford's swellable packer manufacturing facility in Fort Worth, TX. Payment in the amount of \$450 has been made (ePay Voucher #191063. Should you require any additional information, please contact me.

Best Regards,

**Joe Dandy**

Sr. Environmental Manager – Global Supply Chain Manufacturing  
Weatherford | 15710 John F. Kennedy Blvd. | Houston | Texas | 77032  
Direct: +1.281-260-1937 | Cell: +1.713.249.3858  
[joe.dandy@weatherford.com](mailto:joe.dandy@weatherford.com) | [www.weatherford.com](http://www.weatherford.com)

cc: Tony Walker, Regional Director, TCEQ Region 4

OCT 23 2013  
APIRT

TCEQ Permit by Rule Registration  
Weatherford International LLC  
3024 Wichita Court, Fort Worth, TX

Prepared by:

**Joe Dandy**

Sr. Environmental Manager – Global Supply Chain Manufacturing  
Weatherford | 15710 John F. Kennedy Blvd. | Houston | Texas | 77032  
Direct: +1.281-260-1937 | Cell: +1.713.249.3858  
[joe.dandy@weatherford.com](mailto:joe.dandy@weatherford.com) | [www.weatherford.com](http://www.weatherford.com)

## Table of Contents

|                                                  |    |
|--------------------------------------------------|----|
| 1. Executive Summary.....                        | 1  |
| 2. TCEQ Forms, Checklists, and Tables.....       | 2  |
| 3. Process Description.....                      | 19 |
| 4. Permit by Rule Requirements.....              | 20 |
| 4.1. §106.4. Requirements for Permitting by Rule |    |
| 4.2. §106.433. Surface Coat Facility             |    |
| 4.3. 30 TAC Chapter 115                          |    |
| 4.4. 40 CFR 63 Subpart XXXXXX                    |    |
| 5. Emissions Data.....                           | 29 |
| 5.1. Adhesive application                        |    |
| Attachment A: Process Flow Chart.....            | 31 |
| Attachment B: Safety Data Sheets.....            | 33 |

## **1. Executive Summary**

Weatherford International LLC (Weatherford) operates a swellable packer manufacturing facility in Fort Worth, Tarrant County, Texas. Weatherford operates under the TCEQ Customer Reference Number CN601289648. The Wichita Court facility operates under Regulated Entity Number RN100609288.

Weatherford is registering the emissions from the swellable packer manufacturing process under the current version of 30 TAC §106.4 (Requirements for Permitting by Rule), and §106.433 (Surface Coat Facility)

Section 2 of this registration contains completed TCEQ form PI-7Cert and TCEQ checklists for §106.4 and §106.433. Section 3 contains a process description for the Wichita Court facility. Compliance with permit by rule provisions is demonstrated in Section 4. Emission rates associated with the project are estimated in Section 5.

## **2. TCEQ Forms, Checklists, and Tables**

Form PI-7 Cert

106.4 Checklist

106.433 Checklist

**Texas Commission on Environmental Quality**  
**Permit by Rule Applicability Checklist**  
**Title 30 Texas Administrative Code § 106.4**

The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), **Air Permits Division**, to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of **Title 30 Texas Administrative Code § 106.4** (30 TAC § 106.4), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing **Form PI-7** (Registration for Permits by Rule) or

**Form PI-7-CERT** (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division website at: [www.tceq.state.tx.us/permitting/air/nav/air\\_pbr.html](http://www.tceq.state.tx.us/permitting/air/nav/air_pbr.html).

For additional assistance with your application, including resources to help calculate your emissions, please visit the Small Business and Local Government Assistance (SBLGA) webpage at the following link: [www.TexasEnviroHelp.org](http://www.TexasEnviroHelp.org)

|                                                                                                                                                                                                                                                                                                        |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>1. 1.30 TAC § 106.4(a)(1) and (4): Emission limits</b>                                                                                                                                                                                                                                              |                                                                     |
| List emissions in tpy for <b>each</b> facility (add additional pages or table if needed):                                                                                                                                                                                                              |                                                                     |
| Are the SO <sub>2</sub> , PM <sub>10</sub> , VOC, or other air contaminant emissions claimed for <b>each</b> facility in this PBR submittal less than 25 tpy?                                                                                                                                          | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| Are the NO <sub>x</sub> and CO emissions claimed for each facility in this PBR submittal less than 250 tpy?                                                                                                                                                                                            | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <p><i>If the answer to both is "Yes," continue to the question below.</i><br/> <i>If the answer to either question is "No," a PBR cannot be claimed.</i></p>                                                                                                                                           |                                                                     |
| Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.) | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| <p><i>If "Yes," skip to Section 2.</i><br/> <i>If "No," continue to the questions below.</i></p>                                                                                                                                                                                                       |                                                                     |
| <b>If the site has had no public notice, please answer the following:</b>                                                                                                                                                                                                                              |                                                                     |
| Are the SO <sub>2</sub> , PM <sub>10</sub> , VOC, or other emissions claimed for <b>all</b> facilities in this PBR submittal less than 25 tpy?                                                                                                                                                         | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| Are the NO <sub>x</sub> and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy?                                                                                                                                                                                           | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <p><i>If the answer to both questions is "Yes," continue to Section 2.</i><br/> <i>If the answer to either question is "No," a PBR cannot be claimed. A permit will be required under Chapter 116.</i></p>                                                                                             |                                                                     |
| <b>2. 30 TAC § 106.4(a)(2): Nonattainment check</b>                                                                                                                                                                                                                                                    |                                                                     |
| Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county?                                                                                                                                                                                                    | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| <i>If "Yes," please indicate which county by checking the appropriate box to the right.</i>                                                                                                                                                                                                            |                                                                     |
| (Marginal) - Hardin, Jefferson, and Orange counties:                                                                                                                                                                                                                                                   | <input type="checkbox"/> BPA                                        |
| (Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties:                                                                                                                                                                                               | <input type="checkbox"/> HGA                                        |
| (Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties                                                                                                                                                                                                   | <input checked="" type="checkbox"/> DFW                             |
| <p><i>If "Yes," to any of the above, continue to the next question.</i><br/> <i>If "No," continue to Section 3.</i></p>                                                                                                                                                                                |                                                                     |

**Texas Commission on Environmental Quality**  
**Permit by Rule Applicability Checklist**  
**Title 30 Texas Administrative Code § 106.4**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>2. 30 TAC § 106.4(a)(2): Nonattainment check (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |
| Does this project trigger a nonattainment review?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| Is the project's potential to emit (PTE) for emissions of VOC or NO <sub>x</sub> increasing by 100 tpy or more?<br><i>PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rules, or made federally enforceable by a certification.</i>                                                                                                                                                                                           | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| Is the site an existing major nonattainment site and are the emissions of VOC or NO <sub>x</sub> increasing by 40 tpy or more?                                                                                                                                                                                                                                                                                                                                                                                                             | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| <i>If "Yes," to any of the above, the project is a major source or a major modification and a PBR may not be used. A Nonattainment Permit review must be completed to authorize this project.</i><br><i>If "No," continue to Section 3.</i>                                                                                                                                                                                                                                                                                                |                                                                                                  |
| <i>If needed, attach contemporaneous netting calculations per nonattainment guidance.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |
| Additional information can be found on TCEQ Air Permits Division's nonattainment new source review tables at <a href="http://www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table8.html">www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table8.html</a> and in general guidance documents for new source review permitting at <a href="http://www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html">www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</a> |                                                                                                  |
| <b>3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                  |
| Does this project trigger a review under PSD rules? To determine the answer, review the information below:                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                  |
| Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source?                                                                                                                                                                                                                                                                                                                                                                                                                       | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source?                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| Are emissions increasing above significance levels at an existing major site?                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO                              |
| <i>If "Yes," to any of the above, a PBR may not be used.</i><br><i>A PSD Permit review must be completed to authorize the project.</i><br><i>If "No," continue to Section 4.</i>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                  |
| PSD information can be found at:<br><a href="http://www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table9.html">www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table9.html</a> and<br><a href="http://www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html">www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</a>                                                                                                                                         |                                                                                                  |
| <b>4. 30 TAC § 106.4(a)(6): Federal Requirements</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |
| Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)?                                                                                                                                                                                                                                                                                                                                                                         | <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A |
| <i>If "Yes," which Subparts are applicable?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |
| Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards?                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A |
| <i>If "Yes," which Subparts are applicable?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |
| Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)?                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A |
| <i>If "Yes," which Subparts are applicable?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                  |
| <i>If "Yes" to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i>                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                  |

**Texas Commission on Environmental Quality**  
**Permit by Rule Applicability Checklist**  
**Title 30 Texas Administrative Code § 106.4**

|                                                                                                                                                                                                                                                                                                                          |       |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|
| <b>5. 30 TAC § 106.4(a)(7): PBR prohibition check</b>                                                                                                                                                                                                                                                                    |       |     |
| Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                           |       |     |
| <i>If "Yes," PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required.</i>                                                                                                                                                                           |       |     |
| List permit number(s):                                                                                                                                                                                                                                                                                                   |       |     |
| <b>6. 30 TAC § 106.4(a)(8): NO<sub>x</sub> Cap and Trade</b>                                                                                                                                                                                                                                                             |       |     |
| Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                               |       |     |
| <i>If "Yes," answer the question below.</i><br><i>If "No," continue to Section 7.</i>                                                                                                                                                                                                                                    |       |     |
| Will the proposed facility or group of facilities obtain required allowances for NO <sub>x</sub> if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span> |       |     |
| <b>7. Highly Reactive Volatile Organic Compounds (HRVOC) check</b>                                                                                                                                                                                                                                                       |       |     |
| Is the facility located in Harris County? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                                                         |       |     |
| <i>If "Yes," answer the next question.</i><br><i>If "No," skip to the box below.</i>                                                                                                                                                                                                                                     |       |     |
| Will the project be constructed after June 1, 2006? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span>                                                                                                                                                               |       |     |
| <i>If "Yes," answer the next question.</i><br><i>If "No," skip to the box below.</i>                                                                                                                                                                                                                                     |       |     |
| Will one or more of the following HRVOC be emitted as a part of this project? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                                                     |       |     |
| <i>If "Yes," complete the information below:</i>                                                                                                                                                                                                                                                                         |       |     |
| Chemical Compound:                                                                                                                                                                                                                                                                                                       | lb/hr | tpy |
| 1,3-butadiene                                                                                                                                                                                                                                                                                                            |       |     |
| all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])                                                                                                                                                                                                                                                 |       |     |
| alpha-butylene (ethylethylene)                                                                                                                                                                                                                                                                                           |       |     |
| beta-butylene (dimethylethylene, including both cis - and trans-isomers)                                                                                                                                                                                                                                                 |       |     |
| ethylene                                                                                                                                                                                                                                                                                                                 |       |     |
| propylene                                                                                                                                                                                                                                                                                                                |       |     |
| Is the facility located in Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span>                                                                                                       |       |     |
| <i>If "Yes," answer the next question.</i><br><i>If "No," the checklist is complete.</i>                                                                                                                                                                                                                                 |       |     |
| Will the project be constructed after June 1, 2006? <span style="float: right;"><input type="checkbox"/> YES <input type="checkbox"/> NO</span>                                                                                                                                                                          |       |     |
| <i>If "Yes," answer the next question.</i><br><i>If "No," the checklist is complete.</i>                                                                                                                                                                                                                                 |       |     |



Texas Commission on Environmental Quality  
Permit by Rule Applicability Checklist  
Title 30 Texas Administrative Code § 106.4

|                                                                                |       |                                                          |
|--------------------------------------------------------------------------------|-------|----------------------------------------------------------|
| <b>7. Highly Reactive Volatile Organic Compounds (HRVOC) check (continued)</b> |       |                                                          |
| Will one or more of the following HRVOC be emitted as a part of this project?  |       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| <i>If "Yes," complete the information below:</i>                               |       |                                                          |
| Chemical Compound:                                                             | lb/hr | tpy                                                      |
| ethylene                                                                       |       |                                                          |
| propylene                                                                      |       |                                                          |

**Save Form**

**Reset Form**



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

**Check the Most Appropriate Answer(s) and Fill in the Blanks:**

(A) For coating operation located in a nonattainment or near-nonattainment county (listed below), as defined at 30 Texas Administrative Code (TAC) 115.10, Chapter 115 contains limits for VOC, control requirements as well as limits for industrial adhesives and cleaning. These requirements appear in 30 TAC Chapter 115, Subchapter E.

- **Dallas/Fort Worth area:** Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant Counties.
- **El Paso area:** El Paso County.
- **Beaumont/Port Arthur area:** Hardin, Jefferson, and Orange Counties.
- **Houston/Galveston or Houston/Galveston/Brazoria area:** Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller Counties.

If your coating operation is located in a nonattainment or near-nonattainment county, does it comply with 30 TAC Chapter 115? ☒ YES ☐ NO

*[Note: You have several options for complying with the special requirements for nonattainment and near-nonattainment areas. You can use compliant coatings that are below the required VOC content limits, use coatings that are compliant under a daily weighted average, or qualify for an exemption.]*

| 106.433<br>Citation | Discussion/Question and Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)                 | <p>Is molten metal being sprayed onto a surface to form a coating? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span></p> <p><i>If "YES," the facility does not qualify for this PBR. Your facility may be eligible for authorization under Permits by Rule § 106.261 and § 106.262, or a construction permit under 30 TAC Chapter 116. Please note that the use of coating materials containing metallic pigments are not considered molten metal and may be authorized under this section.</i></p>                                                                                       |
| (3)                 | <p>Do you use a non-electric drying or curing oven for your coating operation? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span></p> <p><i>If "YES," answer Questions (3) and (4), and Please attach emission calculations for Products of Combustion for the oven. See page 33 of the Surface Coating Facilities Guidance Document at <a href="http://www.tceq.texas.gov/assistance/sblga/industry/coating.html">www.tceq.texas.gov/assistance/sblga/industry/coating.html</a></i></p> <p><i>If "NO," go to Question (5).</i></p>                                                        |
| (3)(B)              | <p>What is the maximum heat input to the non-electric drying oven (MMBtu/hr)?</p> <p>If the drying oven exceeds 2.0 MMBtu/hr, please evaluate NAAQS for SO<sub>2</sub> and NO<sub>x</sub>.</p> <p><i>[Note: Please see manufacturer's data for the maximum heat input of the oven. If the maximum heat input exceeds 40 million British thermal units per hour (Btu/hr), you cannot claim this PBR.]</i></p>                                                                                                                                                                                                                                   |
| (3)(B)              | <p>What type of fuel does the non-electric drying oven use?</p> <p style="text-align: center;"> <input type="checkbox"/> Fuel gas                <input type="checkbox"/> Liquid petroleum gas                <input type="checkbox"/> Number 2 fuel oil                <input type="checkbox"/> Sweet natural gas           </p> <p><i>[Note: You cannot claim this PBR if you do not use one of the following as fuel for the oven: sweet natural gas, fuel gas containing no more than 5.0 grains of total sulfur compounds per 100 dry standard cubic foot (dscf), or Number 2 fuel oil with not more than 0.3% sulfur by weight.]</i></p> |



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

| 106.433<br>Citation | Discussion/Question and Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (4)                 | <p>Are add-on controls (i.e., oxidizers, absorbers, adsorbers, biofilters) used to reduce volatile organic compound (VOC) emissions from the surface coating or stripping facility? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span></p> <p>Indicate type of add-on control(s): _____ Indicate the control efficiency (%) of the add-on control(s): _____</p> <p><b>Please provide an estimate of the emissions <u>before add-on control</u> (if a control is used) from the coating and stripping operation.</b></p> <p><b>Please include the calculations used to determine the emission rates with the registration submittal. For assistance determining the emission rates, please visit the following website:</b><br/> <a href="http://www.tceq.texas.gov/assistance/sblga/industry/coating.html">www.tceq.texas.gov/assistance/sblga/industry/coating.html</a></p> |
| (4)(A)              | <p>For all surface coating and/or stripping facilities at this site, is the total annual volatile organic compound (VOC) emission rate less than 25 tons per year (tpy)? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>Total annual VOC emission rate (tpy): 5.6 tpy</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| (4)(A)              | <p>For all surface coating and/or stripping facilities at this site, is the total annual exempt solvent emission rate less than 10 tpy? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>Total annual exempt solvent emission rate (tpy): _____</p> <p><b>[Note: Exempt solvents are defined as those carbon compounds or mixtures of carbon compounds used as solvents that have been excluded from the definition of VOC.]</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                |
| (4)(B)              | <p>For all surface coating and/or stripping facilities at this site, is the total hourly VOC emission rate less than 30 pounds per hour (lb/hr)? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>Total hourly VOC emission rate (lb/hr): 1.5 lb/hr</p> <p><b>[Note: If the total hourly emission rate is greater than 30 lb/hr, then you must obtain a permit for the proposed facility.]</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (4)(B)              | <p>For all surface coating and/or stripping facilities at this site, is the total exempt solvent emission rate less than 5 lb/hr? <span style="float: right;"><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</span></p> <p>Total exempt solvent emission rate (lb/hr): _____</p> <p><b>[Note: If the total hourly emission rate is greater than 5 lb/hr, then you must obtain a permit for the proposed facility.]</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (4)(B)              | <p>Is the total maximum hourly emission rate of VOC and exempt solvents for the surface coating or stripping facility less than 0.25 lb/hr? <span style="float: right;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</span></p> <p>Total maximum hourly emission rate of VOC and exempt solvents (lb/hr): 1.5 lb/hr</p> <p><b>If "YES," then the facility is exempt from the requirements in paragraphs (5), (6), (7), (8), and (9) of PBR 433 and you do not need to fill out the remaining questions in this checklist. You should maintain adequate records to verify that the facility is exempt from all other requirements.</b></p>                                                                                                                                                                                                                                                                 |



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

| 106.433<br>Citation | Discussion/ Question and Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (6)                 | <p>Please indicate where surface coating activities take place at your site.</p> <p><input type="checkbox"/> Indoor Work Area / Enclosed Booth                      <input checked="" type="checkbox"/> Outdoor Work Area / Non-enclosed Booth</p> <p><i>[Note: For "Indoor Work Area / Enclosed Booth", all conditions of questions (12)-(19) must be met. If all the conditions of questions (12)-(19) cannot be met, your operations will be subject to the conditions of questions (20)-(24).]</i></p>                                                                                                                                                                |
| (6)(A)              | <p>What is the proposed maximum hourly VOC emission rate (averaged over any five-hour period) from each enclosed work area or booth? (lb/hr.)</p> <p><i>[Note: If the emission rate from each enclosed work area is greater than 6 lb/hr (averaged over any five-hour period), then you must obtain a case-by-case permit for the proposed facility.]</i></p>                                                                                                                                                                                                                                                                                                             |
| (6)(A)              | <p>What is the proposed maximum weekly VOC emission rate from each enclosed work area or booth (lb/week)?</p> <p><i>[Note: If the emission rate from each enclosed work area or booth is greater than 500 lb/wk, then you must obtain a case-by-case permit for the proposed facility.]</i></p>                                                                                                                                                                                                                                                                                                                                                                           |
| (6)(B)              | <p>What is the minimum face velocity at the intake opening of each enclosed work area( ft/min)</p> <p><i>[Note: The face velocity is the air flow in cubic feet per minute (cfm) divided by the intake area in square feet. If the face velocity of each enclosed work area or booth is less than 100 ft/min, the facility is considered a non-enclosed facility. Go to Question (20) to determine if the facility meets the requirements for non-enclosed facilities.]</i></p>                                                                                                                                                                                           |
| (6)(B)              | <p>In order to determine the appropriate stack height for your operation, please complete the following equation:</p> <p style="text-align: center;">_____ Building Height (feet.) x 1.5 = _____ Acceptable Stack height (feet.)</p> <p>Is the proposed stack height at least 1.5 times the building height above ground level?                      <input type="checkbox"/> YES                      <input type="checkbox"/> NO</p> <p><i>If "NO," then the facility does not meet the requirements of an enclosed surface coating or stripping facility. Go to Question (20) to determine if the facility meets the requirements for non-enclosed facilities.</i></p> |
| (6)(B)              | <p>Is rain protection used on the stack(s)?                      <input type="checkbox"/> YES                      <input type="checkbox"/> NO</p> <p><i>[Note: The rain protection should not obstruct the vertical discharge of emissions. If it does, then go to Question (20) to determine if the facility meets the requirements for non-enclosed facilities.]</i></p>                                                                                                                                                                                                                                                                                               |
| (6)(C)              | <p>Please indicate the type of filter is used in your enclosed work area or booth?</p> <p><input type="checkbox"/> cartridge filter                      <input type="checkbox"/> dry filter                      <input type="checkbox"/> water wash                      <input type="checkbox"/> other:</p>                                                                                                                                                                                                                                                                                                                                                            |
| (6)(C)              | <p>What is the particulate removal efficiency (%) of your filter, as specified by the manufacturer?</p> <p><i>[Note: If the filter efficiency of the enclosed work area or booth is less than 95%, the facility does not meet the requirements of an enclosed work area. Go to Question (20) to determine if the facility meets the requirements for non-enclosed facilities.]</i></p>                                                                                                                                                                                                                                                                                    |

**Be Advised** that your site may be subject to federal standards which require higher filter efficiencies.  
**Please attach the filter manufacturer specification sheets.**



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

| 106.433<br>Citation | Discussion/Question and Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |          |       |       |       |        |            |             |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|----------|-------|-------|-------|--------|------------|-------------|
| (6)(C)              | <p>For spraying operations, what is the face velocity at the filter (ft/min)?</p> <p><i>[Note: If the face velocity at the filter is greater than 250 ft/min or that specified by the manufacturer, your facility does not meet the requirements of an enclosed work area. Please go to Question (20) to determine if your facility meets the requirements for non-enclosed facilities.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |          |       |       |       |        |            |             |
| (7)(A)              | <p>For all non-enclosed surface coating and stripping operations at the site, what is the proposed maximum hourly VOC emission rate averaged over any continuous five-hour period (lb/hr)? 1.5 lb/hr.</p> <p><i>[Note: If the emission rate is greater than 6 lb/hr (averaged over any five hour period), then you must obtain a case-by-case permit for the proposed facility.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |             |          |       |       |       |        |            |             |
| (7)(A)              | <p>What is the proposed maximum weekly VOC emission rate for all non-enclosed surface coating and stripping operations at the site (lb/week)? 215 lb/week</p> <p><i>[Note: If the emission rate is greater than 500 lb/wk, then you must obtain a case-by-case permit for the proposed facility, unless the facility can meet all the requirements of Questions (12)-(19) above.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |             |          |       |       |       |        |            |             |
| (7)(B)              | <p>Do you spray coatings that contain any of the following: chromates, lead, cadmium, selenium, <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO<br/>strontium, or cobalt?</p> <p><i>[Note: If any of the coatings contain the compounds listed above, and if the percent by weight is greater than 0.1%, you are further limited to total VOC emissions of no more than 240 pounds per week and 2,000 pounds per year.]</i></p> <p>Indicate the % of heavy metal contents (by weight) of the coatings:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">% cadmium</td><td style="width: 33%; text-align: center;">% chromates</td><td style="width: 33%; text-align: center;">% cobalt</td></tr> <tr> <td style="text-align: center;">-----</td><td style="text-align: center;">-----</td><td style="text-align: center;">-----</td></tr> <tr> <td style="text-align: center;">% lead</td><td style="text-align: center;">% selenium</td><td style="text-align: center;">% strontium</td></tr> </table> | % cadmium   | % chromates | % cobalt | ----- | ----- | ----- | % lead | % selenium | % strontium |
| % cadmium           | % chromates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | % cobalt    |             |          |       |       |       |        |            |             |
| -----               | -----                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -----       |             |          |       |       |       |        |            |             |
| % lead              | % selenium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | % strontium |             |          |       |       |       |        |            |             |
| (7)(C)              | <p>What is the distance from the source of emissions (i.e. work area or paint booth) to the nearest property line (feet)? 18</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |             |          |       |       |       |        |            |             |
| (7)(C)              | <p>What is the distance from the facility to the nearest recreational area, residence, or other structure not occupied or used solely by the owner of the facility or owner of the property upon which the facility is located (feet)? 20</p> <p><i>[Note: If the distance to the nearest property line is less than 50 feet and if the distance to the nearest off-site receptor is less than 250 feet, the facility must meet the requirements of Questions (12)-(19) to qualify for registration under PBR 433. You may also consider obtaining a case-by-case permit.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |             |          |       |       |       |        |            |             |
| (9)                 | <p>If construction of the non-enclosed surface coating facility has already begun, please provide the date your operations commenced (MM/DD/YYYY) 9/22/2000</p> <p><i>[Note: For sites which have not been constructed, written site approval from the TCEQ or any local program with jurisdiction over your facility is required.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |             |          |       |       |       |        |            |             |



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

| Please Review the Following Federal Standards that Your Operation(s) may be Subject to, and Check all that Apply.                                                                                                                                                                                                                   |                                    |                                                                                         |                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------|
| Federal Rules Associated with PBR 106.433                                                                                                                                                                                                                                                                                           | Source Type                        | All new, reconstructed, or existing affected sources should have been in compliance by: | Direct Web Link for Compliance Applicability Dates |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart EE</u> for surface coating of metal furniture?                                                                                                                                                                                                 | all sources after compliance date  | after November 28, 1980                                                                 | <u>60.310</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart MM</u> for surface coating of automobiles and light duty trucks at assembly operations?                                                                                                                                                        | all sources after compliance date  | after October 5, 1979                                                                   | <u>60.390</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart SS</u> for industrial surface coating of large appliances (metal range, oven, microwave oven, refrigerator, freezer, washer, dryer, dishwasher, water heater, or trash compactor manufactured for household, commercial, or recreational use)? | all sources after compliance date  | after December 24, 1980                                                                 | <u>60.450</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart TT</u> for surface coating of metal coil?                                                                                                                                                                                                      | all sources after compliance date  | after January 5, 1981                                                                   | <u>60.460</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart WW</u> for surface coating of beverage cans?                                                                                                                                                                                                   | all sources after compliance date  | after November 26, 1980                                                                 | <u>60.490</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart SSS</u> for surface coating of magnetic tape used for audio or video recording or information storage?                                                                                                                                         | all sources after compliance date  | after January 22, 1986                                                                  | <u>60.710</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 60, NSPS Subpart TTT</u> for surface coating of plastic parts for business machines?                                                                                                                                                                            | all sources after compliance date  | after January 8, 1986                                                                   | <u>60.720</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 63, MACT Subpart GG</u> for surface coating at aerospace manufacturing and rework operations?                                                                                                                                                                   | major for hazardous air pollutants | comply by September 1, 1998                                                             | <u>63.749</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 63, MACT Subpart II</u> for surface coating at ship building and ship repair operations?                                                                                                                                                                        | major for hazardous air pollutants | see links for multiple compliance conditions and dates                                  | <u>63.784</u> and <u>63.6</u>                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR part 63, MACT Subpart JJ</u> for surface coating of wood furniture or wood furniture components?                                                                                                                                                                     | major for hazardous air pollutants | comply by November 21, 1997                                                             | <u>63.800</u>                                      |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 63, MACT Subpart IIII</u> for surface coating of automobiles and light duty trucks at assembly operations?                                                                                                                                                      | major for hazardous air pollutants | see link for multiple compliance conditions and dates                                   | <u>63.3083</u>                                     |
| <input type="checkbox"/> Is your facility subject to <u>40 CFR Part 63, MACT Subpart KKKK</u> for the surface coating of metal cans?                                                                                                                                                                                                | major for hazardous air pollutants | see link for multiple compliance conditions and dates                                   | <u>63.3483</u>                                     |



**Surface Coating Facility  
Air Permits by Rule (PBR) Checklist  
Title 30 Texas Administrative Code § 106.433**

Please Review the Following Federal Standards that Your Operation(s) may be Subject to, and Check all that Apply.

| Federal Rules Associated with PBR 106.433                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Source Type                              | All new, reconstructed, or existing affected sources should have been in compliance by: | Direct Web Link for Compliance Applicability Dates  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>MMMM</u> for the surface coating of miscellaneous metal parts and products including motor vehicle parts and accessories, bicycles and sporting goods, recreational vehicles, extruded aluminum structural components, railroad cars, heavy duty trucks, medical equipment, lawn and garden equipment, electronic equipment, magnet wire, steel drums, industrial machinery, metal pipes, and numerous other industrial, household, and consumer products? | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.3883</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>NNNN</u> for the surface coating of large appliances or parts?                                                                                                                                                                                                                                                                                                                                                                                             | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.4083</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>PPPP</u> for the surface coating of plastic parts and products including motor vehicle parts and accessories for automobiles, trucks, recreational vehicles; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other consumer products?                                                                                                                                                        | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.4483</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>QQQQ</u> for the surface coating of wood building products or other products classified as wood building products?                                                                                                                                                                                                                                                                                                                                         | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.4683</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>RRRR</u> for the surface coating of metal furniture?                                                                                                                                                                                                                                                                                                                                                                                                       | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.4883</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>SSSS</u> for the surface coating of metal coil?                                                                                                                                                                                                                                                                                                                                                                                                            | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.5130</a>                             |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>VVVV</u> for surface coating of fiberglass or metal boats?                                                                                                                                                                                                                                                                                                                                                                                                 | major for hazardous air pollutants       | see link for multiple compliance conditions and dates                                   | <a href="#">63.5695</a> and <a href="#">Table 1</a> |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>HHHHHH</u> for paint stripping and miscellaneous surface coating operations at area sources                                                                                                                                                                                                                                                                                                                                                                | area source for hazardous air pollutants | see link for multiple compliance conditions and dates                                   | <a href="#">63.11172</a>                            |
| <input type="checkbox"/> Is your facility subject to 40 CFR Part 63, MACT Subpart <u>XXXXXX</u> for area source standards for nine metal fabrication and finishing source categories                                                                                                                                                                                                                                                                                                                                                            | area source for hazardous air pollutants | comply by July 25, 2011 (existing sources) or upon startup (new sources)                | <a href="#">63.11515</a>                            |



#### **4. Permit-by-Rule Requirements**

To be permitted by rule, the facility must meet the general requirements of 30 TAC §106.4; and the emission increases must meet the specific requirements of §106.433 and §106.452. The requirements are listed and addressed in this section. In addition, applicability and compliance demonstrations for 30 TAC Chapter 115 and 40 CFR 63 Subpart XXXXXX is included in this section.

##### **4.1 §106.4 Requirements for Permitting by Rule**

*(a) To qualify for a permit by rule, the following general requirements must be met.*

*(1) Total actual emissions authorized under permit by rule from the facility shall not exceed 250 tons per year (TPY) of carbon monoxide (CO) or nitrogen oxides (NO<sub>x</sub>); or 25 tpy of volatile organic compounds (VOC) or sulfur dioxide (SO<sub>2</sub>) or inhalable particulate matter (PM); or 15 tpy of particulate matter with diameters of 10 microns or less (PM<sub>10</sub>); or 10 tpy of particulate matter with diameters of 2.5 microns or less (PM<sub>2.5</sub>); or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.*

Total actual emissions resulting from the Wichita Court facility will not exceed the limits specified above.

*(2) Any facility or group of facilities, which constitutes a new major stationary source, as defined in §116.12 of this title (relating to Nonattainment Review Definitions), or any modification which constitutes a major modification, as defined in §116.12 of this title, under the new source review requirements of the Federal Clean Air Act (FCAA), Part D (Nonattainment) as amended by the*

*FCAA Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title (relating to New Source Review Permits) and cannot qualify for a permit by rule under this chapter. Persons claiming a permit by rule under this chapter should see the requirements of §116.150 of this title (relating to New Major Source or Major Modification in Ozone Nonattainment Areas) to ensure that any applicable netting requirements have been satisfied.*

The potential NO<sub>x</sub> and VOC emissions from the site are less than 25 tpy. The site is not a major stationary source for Nonattainment New Source Review.

*(3) Any facility or group of facilities, which constitutes a new major stationary source, as defined in 40 CFR §52.21, or any change which constitutes a major modification, as defined in 40 CFR §52.21, under the new source review requirements of the FCAA, Part C (Prevention of Significant Deterioration) as amended by the FCAA Amendments of 1990, and regulations promulgated thereunder, must meet the permitting requirements of Chapter 116, Subchapter B of this title and cannot qualify for a permit by rule under this chapter.*

The Wichita Court facility does not constitute a new major stationary source, or a major modification.

*(4) Unless at least one facility at an account has been subject to public notification and comment as required in Chapter 116, Subchapter B or Subchapter D of this title (relating to New Source Review Permits or Permit Renewals), total actual emissions from all facilities permitted by rule at an account shall not exceed 250 tpy of CO or NO<sub>x</sub>; or 25 tpy of VOC or SO<sub>2</sub> or PM; or 15 tpy of*

*PM10; or 10 tpy of PM2.5; or 25 tpy of any other air contaminant except carbon dioxide, water, nitrogen, methane, ethane, hydrogen, and oxygen.*

The Wichita Court facility does not have a Chapter 116 permit that has been subject to public notification requirements. Emissions do not exceed the limits specified above.

*(5) Construction or modification of a facility commenced on or after the effective date of a revision of this section or the effective date of a revision to a specific permit by rule in this chapter must meet the revised requirements to qualify for a permit by rule.*

The project is being authorized under the most recent versions of permit by rule §106.433. Rules §106.433 became effective on September 4, 2000.

*(6) A facility shall comply with all applicable provisions of the FCAA, §111 (Federal New Source Performance Standards) and §112 (Hazardous Air Pollutants), and the new source review requirements of the FCAA, Part C and Part D and regulations promulgated thereunder.*

No source at the Wichita Court facility is subject to 40 CFR 60 or 61. The Wichita Court facility is also not subject to the provisions of 40 CFR 63 Subpart XXXXXX.

*(7) There are no permits under the same commission account number that contain a condition or conditions precluding the use of a permit by rule under this chapter.*

There are no existing air permits for the Wichita Court facility.

*(8) The proposed facility or group of facilities shall obtain allowances for NOx if they are subject to Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program)*

The Wichita Court facility is not subject to the Mass Emissions Cap and Trade Program.

*(b) No person shall circumvent by artificial limitations the requirements of §116.110 of this title (relating to Applicability)*

Weatherford's registration of the sources at the site does not circumvent the requirements of §116.110

*(c) The emissions from the facility shall comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of health and property of the public, and all emissions control equipment shall be maintained in good condition and operated properly during operation of the facility.*

All emissions control equipment associated with the sources in this registration will be maintained in good condition and will be operated properly. Weatherford will comply with the applicable rules and regulations as stated above.

*(d) Facilities permitted by rule under this chapter are not exempted from any permits or registrations required by local air pollution control agencies. Any such requirements must be in accordance with TCAA, §382.113 and any other applicable law.*

The Wichita Court facility is not subject to any additional permit and registration requirements by local air pollution control agencies. However, Weatherford understands that the facility is not exempted from any such requirements should they become applicable in the future.

#### 4.2 §106.433 Surface Coat Facility

*Surface coating or stripping facilities, excluding vehicle repair and refinishing shops, shall meet the following conditions of this section to be permitted by rule.*

*(1) This section does not cover metalizing (spraying molten metal onto a surface to form a coating). However, this section does cover the use of coatings which contain metallic pigments.*

The coating process at the Wichita Court facility does not involve metallizing.

*(2) All facilities covered by this section at a site shall implement good housekeeping procedures to minimize fugitive emissions, including the following.*

*(A) All spills shall be cleaned up immediately*

*(B) The booth or work area exhaust fans shall be operating when cleaning spray guns or other equipment.*

*(C) All new and used coatings and solvents shall be stored in closed containers. All waste coatings and solvents shall be removed from the site by an authorized disposal service or disposed of at a permitted on-site waste management facility.*

Weatherford will ensure that all adhesive is stored in closed containers and that it is disposed of in accordance with the rules of this paragraph. If a spill does occur, Weatherford will ensure that it is cleaned up immediately. Work area exhaust fans will be operating when cleaning equipment.

*(3) Drying or curing ovens shall either be electric or meet the following conditions:*

*(A) The maximum heat input to any oven must not exceed 40 million British Thermal Units per hour (Btu/hr).*

*(B) Heat shall be provided by the combustion of one of the following: sweet natural gas; liquid petroleum gas; fuel gas*

*containing no more than 5.0 grains of total sulfur compounds (calculated as sulfur) per 100 dry standard cubic foot; or Number 2 fuel oil with not more than 0.3% sulfur by weight.*

The application of adhesives at the Wichita Court facility will not utilize drying or curing ovens

*(4) No add-on control equipment shall be used to meet the emissions limits of this section. The total uncontrolled emissions from the coating materials (as applied) and cleanup solvents shall not exceed the following for all operations*

*(A) 25 tpy of volatile organic compounds (VOC) and ten tpy of exempt solvents for all surface coating and stripping operations covered by section at a site;*

Emissions from surface coating (application of adhesives) at the Wichita Court site are 5.60 tpy of VOC. There are no exempt solvents emitted from the surface coating operations.

*(B) 30 pounds per hour (lb/hr) of VOC and 5.0 lb/hr of exempt solvents for all surface coating and stripping operations covered by this section at a site.*

Emissions from surface coating at the site do not exceed 1.5 lb/hr of VOC. There are no exempt solvents emitted from the surface coating operations.

*(C) If emissions are less than 0.25 lb/hr of VOC and/or exempt solvents, a facility is exempt from the remaining requirements of this section, including paragraphs (5) – (9) of this section.*

Emissions are not less than 0.25 lb/hr, therefore this paragraph does not apply.

*(5) Opacity of visible emissions shall not exceed 5.0%. Compliance shall be determined by the USEPA Method 9 averaged over a six-minute period.*

There will be no visible emissions from the application of adhesives at the Wichita Court facility.

*(6) The following conditions apply to surface coating operations performed indoors, in a booth, or in an enclosed work area:*

*(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week per booth or enclosed work area;*

*(B) Minimum face velocity at the intake opening of each booth or work area is 100 feet per minute (ft/min). Emissions shall be exhausted through elevated stacks that extend at least 1.5 times the building height above ground level. All stacks shall discharge vertically; rain protection shall not restrict or obstruct vertical flow.*

*(C) For spraying operations, emissions of particulate matter must be controlled using either a water wash system or a dry filter system with a 95% removal efficiency as documented by the manufacturer. The face velocity at the filter shall not exceed 250 ft/min or that specified by the filter manufacturer, whichever is less. Filters shall be replaced whenever the pressure drop across the filter no longer meet the manufacturers specification.*

The adhesive application meets the requirements of paragraph (7), rather than the above requirements.

*(7) For surface coating operations that are performed outdoors or in a non-enclosed work area, or for indoor operations that do*

*not meet the conditions of paragraph (6) of this section, the following conditions apply.*

*(A) No more than six lb/hr of VOC emissions, averaged over any five-hour period, and 500 pounds per week shall be emitted at any time for all operations authorized by this paragraph.*

VOC emissions resulting from adhesive application will not exceed 1.5 lb/hr averaged over a 5 hour period, not will they exceed 215 lb/week.

*(B) If coatings applied with spray equipment contain more than 0.1% by weight of chromates, lead, cadmium, selenium, strontium, or cobalt, then total VOC emissions shall be further limited to 240 pounds per week and 2,000 pounds per year. If coatings are applied with non-spraying equipment (such as brushes, rollers, dipping or flow coating), the additional restrictions in this paragraph do not apply.*

The adhesive is applied with a roller, therefore additional restrictions do not apply. This is a non-spraying application only.

*(C) Coating operations shall be conducted at least 50 feet from the property line and at least 250 feet from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the property upon which the facility is located.*

The adhesive is applied with a roller, therefore 7(C) is not applicable. This is a non-spraying application only.

*(D) Before construction of the facility begins, written site approval shall be received from the appropriate regional office of the commission or any local program having jurisdiction.*



The adhesive is applied with a roller, therefore 7(D) is not applicable. This is a non-spraying application only.

*(8) The following records shall be maintained at the plant site for the most recent 24 months and be made immediately available to the commission or any pollution control agency with jurisdiction:*

The following records will be maintained on site.

*(A) Material safety data sheets for all coating materials and solvents;*

*(B) Data of daily coatings and solvent use and the actual hours of operation of each coating or stripping operation;*

*(C) A monthly report that represents actual hours of operation each day, and emissions from each operation in the following categories:*

*(i) Pounds per hour;*

*(ii) Pounds per day;*

*(iii) Pounds per week; and*

*(iv) Tons emitted from the site during the previous 12 months;*

*(D) Examples of the method of data reduction including units, conversion factors, assumptions, and the basis of assumptions.*

*(9) Before construction begins, the facility shall be registered with the commission using Form PI-7.*

Weatherford is submitting this notification using form PI-7Cert.

#### 4.3 30 TAC Chapter 115

The application of adhesives is subject to the requirements in 30 TAC 115.470-479. The Wichita Court facility uses adhesives which are compliant with the 7.1 lb/gal limitation for specialty adhesives used in metal to rubber bonding applications (30 TAC 115.473(a))

#### 4.5 40 CFR 63 Subpart XXXXXX

The Wichita Court facility is potentially subject to 40 CFR 63 Subpart XXXXXX (National Emission Standards for Hazardous Air Pollutants: Area Source Standards for nine Metal Fabrication and Finishing Source Categories. However, the facility does not perform; dry abrasive blasting, grinding or polishing, spray painting, or welding using MFHAP (cadmium, chromium, lead, manganese, nickel)

### 5. Emissions Data (Confidential)

#### 5.1 Adhesive application (annual)

##### Cilbond 80ET Adhesive

|                    |              |
|--------------------|--------------|
| - Annual usage     | 900 gallons  |
| - VOC content      | 6.24 lb/gal  |
| - Annual Emissions | 5,616 lb VOC |

PM <0.01 lb/hr  
<0.01 tpy

##### Cilbond 12E Adhesive

|                    |              |
|--------------------|--------------|
| - Annual usage     | 900 gallons  |
| - VOC content      | 6.21 lb/gal  |
| - Annual Emissions | 5,589 lb VOC |

Abrasive <0.01 lb/hr  
Cleaning <0.01 tpy

|              |                     |
|--------------|---------------------|
| <u>Total</u> | <u>5.60 tpy VOC</u> |
|--------------|---------------------|

Adhesive application (short term)

11,205 lbs VOC / 52 weeks = 215 lb VOC per week

11,205 lbs VOC / 312 days = 36 lb VOC per day

36 lb VOC / 24 hours = 1.5 lb VOC/hr.

Note: plant runs 24 hours/day and 6 days/week

See attachment B: Safety Data Sheets