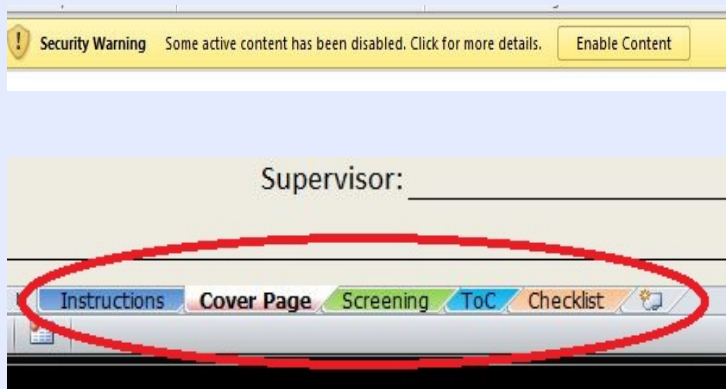


[The TCEQ is committed to accessibility. If you require an accessible version of this checklist that will function with reader-assistive technology, please follow this hyperlink to retrieve a Microsoft Word version. Please note](#)

## RCRA Part B Application Administrative and Technical Evaluation Checklist Instructions

The RCRA Part B Application Administrative and Technical Evaluation Checklist is an Excel workbook that will create a customized checklist based on characteristics of the facility or operation. The workbook consists of several worksheets that can be selected using the tabs at the bottom of the Excel window or by shortcut buttons on the Cover Page. You must enable active content to use this file. After you have done so, click the button to open the checklist worksheets.



- **Cover Page** – Begin the application by filling out this form of basic facility information. Once you have filled out the Applicant fields, proceed to the Screening worksheet.
- **Screening** – Provide the requested responses to move checklist items that are not relevant to your specific operation to the bottom of the checklist. These items will also be grayed-out. All of the responses requested on this page must be provided. Certain responses will default responses to other questions. Responses can be changed at any time to retrieve a new checklist. Any information already entered into the checklist will not be lost by doing so. There may be some checklist items remaining that are Not Applicable. An “N/A” option is available for addressing these items.
- **ToC** – Table of Contents for fast navigation to specific sections of the checklist.
- **Checklist** – This worksheet contains the list of items that must be addressed to ensure a complete application is submitted. The checklist contains four columns for the applicant’s use to indicate submission and applicability of information, changes to operation, location of information within the application, and comments concerning each checklist item. This information will be used by TCEQ in the review of your application. Do not provide technical information in the checklist that is not supported by materials in the application.

This checklist follows the numbering/hierarchy established in the latest [Part B Application](#) form. In instances where the application does not contain specific hierarchy, it has been created for each checklist item. In instances where the application skips a hierarchical level or it was necessary to insert a preceding level, a tilde character (~) has been used as a placeholder.

**DISCLAIMER**

This checklist is intended for use in the RCRA Part B application preparation and review process and will not be considered a substitute for required application materials. The checklist line items may not be the exact language of the applicable rules, statutes, or federal requirements. Any conflict or questions regarding the rule interpretation should be directed to TCEQ for determination, and disputes will be resolved in favor of the exact language of the rules, statutes, or federal requirements. Should any dispute occur in administrative proceeding, the applicant will bear the burden of proof of compliance with any and all applicable TCEQ and federal statutes, rules, or policies and procedures. This checklist is subject to discovery in administrative and civil legal proceedings and should not be considered confidential from the public

**CONTACT US**

For any questions regarding the RCRA Part B Application or this Administrative and Technical Evaluation Checklist, please contact the Industrial and Hazardous Waste Program at (512) 239-2335 or by email



**RCRA PART B APPLICATION**  
**ADMINISTRATIVE AND TECHNICAL EVALUATION CHECKLIST**  
**Industrial and Hazardous Waste Permits Section**

This checklist will provide guidance to the Part B information requirements of 40 CFR Part 270, 30 TAC §305 Subchapters C and D, and 30 TAC §335 as well as provide a listing of the specific information that must be submitted in the application. This checklist follows the format of Part B Hazardous Waste Application Forms and Instruction. Sections of the Part B that are shaded in blue in the checklist will be reviewed during the administrative review to determine if the information has been submitted.

***Applicant-Provided Information***

Facility Name: Clean Harbors La Porte, LLC  
Location: 500 Independence Parkway S, La Porte, TX 77571  
EPA ID No.: TXD982290140  
ISW Reg. No.: 50225  
Permit No.: 50225  
Regulated Entity Reference Number (RN): RN102949021  
Customer Reference Number (CN): CN601548225  
Type of Application: Permit Renewal (with Minor Amendment)

***TCEQ Use Only***

***Administrative Review***

Date of Application: \_\_\_\_\_  
Date Application Received: \_\_\_\_\_  
Date Revised Part B Received: \_\_\_\_\_  
Date Administratively Complete: \_\_\_\_\_  
Administrative Reviewer: \_\_\_\_\_  
Supervisor: \_\_\_\_\_ Signature: \_\_\_\_\_

***Technical Review***

Date Technically Complete: \_\_\_\_\_  
Technical Reviewer: \_\_\_\_\_  
Supervisor: \_\_\_\_\_ Signature: \_\_\_\_\_  
  
Date Financial Assurance Section Sent to Financial Administrative Division: \_\_\_\_\_





Please provide a response to all items. It is critical that each response is accurate to ensure retrieval of all applicable items. If you need to change any response after retrieving a checklist, make the change(s) and press the "Get Checklist" button again. If you want to clear all responses and start again, press the "Reset Form" button.

**Please answer the following questions regarding your application:**

Is this an application for a compliance plan only?<sup>1</sup>  Yes  No

Is this permit for post-closure care only?<sup>2</sup>  Yes  No

Is this an application for a Permit Unit(s) with a compliance plan?<sup>3</sup>  Yes  No

**Indicate which Permit Units are applicable to your operation/facility:**

- Any Land-Based Units?  Yes  No
  - Surface Impoundments  Yes  No
  - Waste Piles  Yes  No
  - Land Treatment Units (LTU)  Yes  No
  - Landfills<sup>4</sup>  Yes  No
- Container Storage Areas  Yes  No
- Tanks and Tank Systems  Yes  No
- Incinerators  Yes  No
- Boilers/Industrial Furnaces  Yes  No
- Drip Pads  Yes  No
- Containment Buildings  Yes  No
- Miscellaneous Units<sup>5</sup>  Yes  No

**Please answer the following questions regarding your operation:**

Is this a new commercial facility?  Yes  No

Is this a "One-Stop" application with air provisions?  Yes  No

Is this facility military, federal, or state owned?  Yes  No

Get Checklist

Reset Form

1 This electronic checklist does not include a checklist for reviewing Section XI - Compliance Plan. Compliance Plan applications must follow the instructions contained in Section XI Compliance Plan of the Part B Application Form and be submitted with the entire application package for review. Upon receipt, the relevant portions of the submittal will be forwarded to the Corrective Action

2 If "Yes" is indicated for Post-Closure Care only, then all non-Land-Based Units above will default to "No." Additionally, if "Yes" is indicated for Post-Closure

3 If "Yes" is indicated for Permit Unit(s) with a Compliance Plan, then at least one unit must be "Yes."

4 Select "Landfills - Yes" for any land-based unit that was closed as a landfill.

5 For Miscellaneous Units, select "Yes," and also select "Yes" for the appropriate unit type(s) shown above. Address all applicable engineering requirements (e.g., landfill requirements from Section V.G) in Section V.K.

## **Table of Contents**

(Click on Title to Go to Section)

- I. General Information
- II. Facility Siting Criteria
- III. Facility Management
- IV. Wastes and Waste Analysis
- V. Engineering Reports
  - A. General Engineering Reports
  - B. Container Storage Areas
  - C. Tanks and Tank Systems
  - D. Surface Impoundments (SI)
  - E. Waste Piles (WP)
  - F. Land Treatment Units (LTU)
  - G. Landfills
  - H. Incinerators
    - I. Boilers and Industrial Furnaces
  - J. Drip Pads
  - K. Miscellaneous Units
  - L. Containment Buildings
- VI. Geology Report
- VII. Closure and Post-Closure Plans
- VIII. Financial Assurance
- IX. Releases from Solid Waste Management Units and Corrective Action
- X. Air Emissions Standards
- XI. Compliance Plan
- XII. Hazardous Waste Permit Application Fee
- XIII. Confidential Materials

| Item No. | Section | Remove Filters   |  | Submitted? | Information Change Since Last Permit Action Submittal? | Location of Information (provide exact page no. and section) | Comments or Variance |
|----------|---------|--|--|------------|--|--|----------------------|
|          |         | Description (blue shaded items are part of Permit Administrative Review)   | HW Regulations (305 & 335 are State & 260-270 are Federal) |            |  |  |                      |
| 1        | I.      | <b>General Information</b>   |  |            |  |  |                      |
| 2        | I.A.    | <b>Applicant: Facility Operator (or Facility Owner &amp; Operator, if same)</b>  |  |            |  |  |                      |
| 3        | I.A.1.  | Ensure legal name matches Secretary of State database  |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 4        | I.A.2.  | Provide facility's physical address, and business address if different from physical   |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 5        | I.A.3.  | Provide facility telephone number  |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 6        | I.A.4.  | Provide Solid Waste Registration Number and EPA I.D.   |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 7        | I.A.5.  | Provide Regulated Entity Name and Regulated Entity Number from Chief Clerk's database  |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 8        | I.A.6.  | Provide Customer Name and Customer Number from Chief Clerk's database  |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 9        | I.A.7.  | Provide Charter Number from Secretary of State database  |  | Yes        | No   | Page I.1-1, Section I  |                      |
| 10       | I.B.    | <b>Provide Facility Owner if different than the Facility Operator, mailing address and telephone number</b>  |  | Yes        | Yes  | Page I.1-1, Section I  |                      |
| 11       | I.C.    | <b>Facility Contact</b>  |  |            |  | Page I.1-2, Section I  |                      |
| 12       | I.C.1.  | Provide primary contact information (mailing address and telephone number)   |  | Yes        | Yes  | Page I.1-2, Section I  |                      |
| 13       | I.C.2.  | If applicable, register with the Texas Secretary of State office and provide mailing address   |  | Yes        | Yes  | Page I.1-2, Section I  |                      |
| 14       | I.C.3.  | Provide contact information (mailing address, telephone number, fax number, and e-mail address if available) for person responsible for public notice  |  | Yes        | Yes  | Page I.1-2 and I.1-3, Section I                              |                      |
| 15       | I.C.4.  | Provide public place (name and physical address) in the county where application will be made available for review   |  | N/A        |  |  |                      |
| 16       | I.C.5.  | If the applicant is proposing a new industrial or hazardous waste (HW) facility, they must hold a public meeting in the county in which the facility is proposed to be located and publish notice of the meeting |  |            |  |  |                      |
| 17       | I.D.    | <b>Application Type and Facility Status</b>  |  |            |  |  |                      |
| 18       | I.D.1.  | Select all applicable categories of application type and facility status   |  | Yes        | No   | Page I.1-3, Section I  |                      |
| 19       | I.D.2.  | Indicate whether the application is part of a Consolidated Permit Processing request   |  | No         |  |  |                      |
| 20       | I.D.3.  | Indicate if confidential information is included   |  | No         |  |  |                      |

|    |        |  |  |     |     |                                |       |
|----|--------|--|--|-----|-----|--------------------------------|-------|
| 21 | I.D.4. | Select all items that apply for either a proposed or existing hazardous waste management facility  |  | Yes | No  | Page I.1-3, Section I          |       |
| 22 | I.D.5. | Indicate whether the facility is within the Coastal Management Program boundary  |  | Yes | No  | Page I.1-3, Section I          |       |
| 23 | I.D.6. | Provide a description of all changes requested in the application  |  | Yes | Yes | Page I.1.1-1, Section I        |       |
| 24 | I.D.7. | Provide total acreage of the facility being permitted  |  | Yes | No  | Page I.1.-4, Section I         |       |
| 25 | I.D.8. | Provide name of drainage basin and segment where facility is located   |  | Yes | No  | Page I.1.-4, Section I         |       |
| 26 | I.E.   | <b>Facility Siting Summary</b>   |  |     |     |                                |       |
| 27 | I.E.1. | Indicate whether the facility is located within a 100-yr floodplain  | 335.204(a)(1);<br>270.14(b)(11)(iii)                     | Yes | No  | Page I.1.-4, Section I         |       |
| 28 | I.E.2. | Indicate whether the facility is located in wetlands   | 335.204(a)(2)  | Yes | No  | Page II-1, Section II          |       |
| 29 | I.E.3. | Indicate whether the facility is located in the critical habitat of an endangered species of plant or animal   | 335.204(a)(8)  | Yes | No  | Page I.1.-4, Section I         |       |
| 30 | I.E.4. | Indicate whether the facility is located on the recharge zone of a sole-source aquifer   | 335.204(a)(3)  | Yes | No  | Page I.1.-4, Section I         |       |
| 31 | I.E.5. | Indicate whether the facility is located in an area overlying a regional aquifer   | 335.204(a)(4)  | Yes | No  | Page I.1.-4, Section I         |       |
| 33 | I.E.7. | Indicate whether the facility is in an area in which governing body and municipality has prohibited the processing of municipal HW and individual solid waste                            | 361.095; 361.096; 361.0961<br>(TX. Health & Safety Code) | Yes | No  | Page I.1.-4, Section I         |       |
| 34 | I.F.   | <b>Wastewater and Stormwater Disposition: If yes, indicate existing or proposed discharge permit number</b>  | 30 TAC305(a)(7) WDW,<br>TPDES, TCEQ                      | Yes | No  | Page I.1.-4, Section I         |       |
| 35 | I.F.1. | Indicate whether waste disposal is to be accomplished by a waste disposal well. If yes, list all of the WDW permit numbers   |  | Yes | No  | Page I.1.-4, Section I         |       |
| 36 | I.F.2. | Indicate whether point source discharge of effluent or rainfall runoff occur as a result of the proposed activities  |  | Yes | No  | Page I.1.-5, Section I         |       |
| 37 | I.F.3. | If discharge of effluent or rainfall runoff occurs and the discharge is regulated by a TPDES or TCEQ permit, provide the corresponding permit numbers                                    |  | Yes | No  | Page I.1.-5, Section I         |       |
| 38 | I.F.4. | If discharge of effluent or rainfall runoff occurs and it is not regulated by a TPDES or TCEQ permit, provide the date on which those permit applications were filed                     |  | Yes | No  | Page I.1.-5, Section I         |       |
| 39 | I.G.   | <b>Information required to provide notice:</b>   |  |     |     |                                |       |
| 40 | I.G.1. | Provide state officials list   | 30 TAC 39.103(b)   | Yes | Yes | Page I.1.-5, Section I         |       |
| 41 | I.G.2. | Provide local officials list   | 30 TAC 39.103(c)   | Yes | Yes | Page I.1.-5, Section I         |       |
| 42 | I.G.3. | Provide adjacent landowners list: submit landowners map and mailing list in proper format (CD or Printed Labels, 30 addresses per/page in 3 columns of 10, USPS Machine Readable format) | 305.45(a)(6)(A-D)  | Yes | Yes | 4 pre-printed labels per owner | On CD |
| 43 | I.G.4. | Indicate if Bilingual Notice is required   |  | Yes | No  | Page I.1.-5, Section I         |       |
| 44 | I.H.   | <b>Provide a current Core Data form</b>  |  | Yes | Yes | Section I, following Table I.1 |       |



|    |         |   |  |     |     |                                     |  |
|----|---------|---|--|-----|-----|-------------------------------------|--|
| 45 | I.I.    | <b>Provide an original signature on application with proof of authorization and notary seal</b>   | 305.44; 270.11   | Yes | Yes | Section I, following Core Data Form |  |
| 46 | II.     | <b>Facility Siting Criteria</b>   |  |     |     |                                     |  |
| 47 | II.A.   | <b>Indicate whether the facility is located or proposed to be located in:</b>   |  |     |     |                                     |  |
| 48 | II.A.1. | Wetlands; Provide the source of information; If yes, the TCEQ shall not issue a permit for a new hazardous waste (HW) management facility or areal expansion per 335.205(a)(1)  | 335.204(a)(2), (b)(2), (c)(2), (d)(2), and/or (e)(2)     | Yes | No  | Page II-1, Section II               |  |
| 49 | II.A.2. | Critical habitat; Provide a letter from Texas Parks and Wildlife Department; If yes, Section V should include information to demonstrate the design, construction, and operational features of the facility will prevent adverse effects resulting from a release in such areas   | 335.204(a)(8), (b)(10), (c)(9), (d)(9), and/or (e)(11)   | Yes | No  | Page II-1, Section II               |  |
| 50 | II.A.3. | On the recharge zone of a sole-source aquifer; Provide the source of information; If yes, submit Section V information to demonstrate adequate secondary containment - hazardous waste units such as landfills, land treatment facilities, surface impoundments and waste piles cannot be located on the recharge zone of a sole-source aquifer   | 335.204(a)(3), (b)(3), (c)(3), (d)(3), and/or (e)(3)     | Yes | No  | Page II-1, Section II               |  |
| 51 | II.A.4. | An area overlying a regional aquifer; Provide the source of information; If facility overlies a regional aquifer, information should be provided either in Section V, to address the requirements of 335.204(a-e)(4)(B), or in Section VI, to address the requirements of 335.204(a-e)(4)(A)  | 335.204(a)(4), (b)(4), (c)(4), (d)(4), and/or (e)(4)     | Yes | No  | Page II-1, Section II               |  |
| 52 | II.A.5. | Areas where soil unit(s) within 5 ft. of containment structure, or treatment zone that have unified soil classification of GW, GP, GM, GC, SW, SP, or SM, or hydraulic conductivity greater than 10-5 cm/sec; Provide the source of information; If the facility overlies soils meeting these characteristics, information should be provided either in Section V, to address the requirements of 335.204(5)(A) or Section VI, to address the requirements of 335.204(5)(B) | 335.204(a)(5), (b)(5), (c)(5), (d)(5), and/or (e)(5)     | Yes | No  | Page II-1, Section II               |  |
| 53 | II.A.6. | Areas of direct drainage within one mile of a lake at its maximum conservation pool level; Provide verification of drainage information   | 335.204(a)(6), (b)(7), (c)(6), (d)(6), and/or (e)(8)     | Yes | No  | Page II-1, Section II               |  |
| 54 | II.A.7. | Areas of geologic process, including but not limited to erosion, submergence, subsidence, faulting, karst formation, flooding in alluvial flood wash zones, meandering river bank cuttings, or earthquakes; Provide verification of geologic process information  | 335.204(a)(7), (b)(8), (c)(7), (d)(7), and/or (e)(9)     | Yes | No  | Page II-2, Section II               |  |
| 55 | II.A.8. | Within 30 feet of the upthrown side or 50 feet of the downtown side of the actual or conferred expression of a fault; Provide the source of information   | 335.204(a)(9), (b)(12), (c)(11), (d)(11), and/or (e)(13) | Yes | No  | Page II-2, Section II               |  |
| 75 | II.F.   | <b>Flooding: Include FIA maps and source of data in the application</b>   | 270.14(b)(11)(iii); 305.50(a)(11)                        | Yes | No  | Page II.F-1, Section II             | Please see referenced page and following page for map. |
| 76 | II.F.1. | Indicate whether the facility is located or proposed to be located within 100-yr Floodplain; If yes, complete II.F.2-4, providing supporting documentation; Note: For an application for a proposed HW management facility, aside from the flood plain maps prepared by FEMA, additional information may be necessary for a flood plain determination; If no, do not complete II.F.2-4  | 270.14(b)(11)(iii)                                       | Yes | No  | Page II.F-1, Section II             | Please see referenced page and following page for map. |
| 77 | II.F.2. | Provide information defining the 100-year Flood levels  | 270.14(b)(11)(iii)                                       | Yes | No  | Page II.F-1, Section II             | Please see referenced page and following page for map. |



|     |           |   |   |     |     |   |  |
|-----|-----------|---|---|-----|-----|---|--|
| 78  | II.F.3.   | Indicate whether Flood Protection devices or structures are provided or proposed at the facility:   | 270.14(b)(11)(iv)   | N/A |     |   |  |
| 79  | II.F.3.a. | If yes, submit Section V an engineering analysis to indicate the hydrodynamic and hydrostatic per 270.14(b)(11)(iv)(A), and   | 270.14(b)(11)(iv)   | N/A |     |   |  |
| 80  | II.F.3.b. | Provide in Section V a plan and schedule for constructing flood protection devices per 270.14(b)(11)(iv)( B)  | 270.14(b)(11)(iv)   | N/A |     |   |  |
| 81  | II.F.3.c. | NOTE: Any landfill, storage/treatment facility, surface impoundment, waste pile, or land treatment unit within the 100-year floodplain must be designed, constructed, operated, and maintained to prevent physical transport of any HW by a 100-year flood event.                         | 335.204(a)(1), (b)(1), (c)(1), (d)(1), and/or (e)(1)                                    |     |     |   |  |
| 82  | II.F.4.   | If the answer to Question II.F.3 is No, provide a description of the procedures to remove wastes to safety before flooding occurs:  | 270.14(b)(11)(iv)(C)  | N/A |     |   |  |
| 83  | II.F.4.a. | Timing of movement of wastes relative to flood levels   | 270.14(b)(11)(iv)(C)(1)   | N/A |     |   |  |
| 84  | II.F.4.b. | Location to which wastes will be moved and a demonstration that these facilities will be eligible to receive HW   | 270.14(b)(11)(iv)(C)(2)   | N/A |     |   |  |
| 85  | II.F.4.c. | Procedures and availability of equipment and personnel to be used   | 270.14(b)(11)(iv)(C)(3)   | N/A |     |   |  |
| 86  | II.F.4.d. | Potential and prevention for accidental discharges of waste   | 270.14(b)(11)(iv)(C)(4)   | N/A |     |   |  |
| 87  | II.G.     | <b>Additional information requirements</b>  |   |     |     |   |  |
| 88  | II.G.1.   | For a new HW management facility, provide a legible map of local land-use plans and major routes of travel covering at least 5 miles from the facility  | 305.50(a)(10)(A) & (D)  | N/A |     |   |  |
| 89  | II.G.2.   | For a new commercial HW management facility or the subsequent areal expansion of the facility or facility unit, provide a map showing the nearest established residence, schools, church, day care center, surface water body used for a public drinking water supply, and dedicated park | 305.45(a)(6), 335.202, 335.204(a)(6), (b)(6) and (7), (c)(6), (d)(6), &/or (e)(6 and 8) | N/A |     |   |  |
| 94  | II.G.4.   | Provide the name and location of other HW facilities within 0.5 miles of the new on-site HW management facility and the quantity of HW generated or received annually at those facilities   | 305.50(a)(10)(B-C)  | N/A |     |   |  |
| 95  | II.G.5.   | Provide the name and location of HW facilities within 1.0 mile of the new commercial HW management facility and the quantity of HW generated or received annually at those facilities   | 305.50(a)(10)(B-C)  | N/A |     |   |  |
| 96  | II.G.6.   | For existing/proposed HW disposal units, provide documentation of deed recordation  | 335.5; 270.14(b)(14)  | N/A |     |   |  |
| 98  | II.G.8.   | For a new HW management facility or a capacity expansion of an existing HW management facility, provide Section VI.A.1.a  | 305.50(a)(4)(D)<br>305.50(a)(10)(E)   | N/A |     |   |  |
| 99  | III.      | <b>Facility Management</b>  |   |     |     |   |  |
| 100 | III.A.    | <b>Compliance History and Applicant Experience:</b>   |   |     |     |   |  |
| 101 | III.A.1.  | Provide listings of all solid waste management sites in Texas owned, operated, or controlled by the applicant   | 305.50(a)(2)  | N/A |     |   |  |
| 102 | III.A.2.  | For a new commercial hazardous waste (HW) management facility, provide a summary of the applicant's experience in HW management   | 305.50(a)(12)(F)  | N/A |     |   |  |
| 103 | III.B.    | <b>Personnel Training Plan:</b>   | 264.16  |     |     |   |  |
| 104 | III.B.1.  | Provide an outline of training program:   | 264.16(a)(1-3)  | Yes | Yes | Page III.B-1 through Page III.B-17, Section III |  |

|     |            |  |                  |     |    |  |
|-----|------------|--|------------------|-----|----|--|
| 105 | III.B.1.a. | Facility personnel must complete the program required training 6 months after the date of employment                               | 264.16(b)        | Yes | No | Page III.B-1, Section III                                    |
| 106 | III.B.1.b. | Annual review  | 264.16(c)        | Yes | No | Page III.B-5, Section III                                    |
| 107 | III.B.1.c. | Job title/job description  | 264.16(d)(1-4)   | Yes | No | Page III.B-7 through III.B-14, Section III                   |
| 108 | III.B.1.d. | Training records   | 264.16(e)        | Yes | No | Page III.B-6 and III.B-17, Section III                       |
| 109 | III.C.     | <b>Security:</b>   |                  |     |    |  |
| 110 | III.C.1.   | Provide a description of how the facility complies with security requirements:   | 264.14           | Yes | No | Page III.C-1, Section III                                    |
| 111 | III.C.1.a. | 24-hr surveillance system  | 264.14(b)(1)     | Yes | No | Page III.D-1, Section III                                    |
| 112 | III.C.1.b. | Artificial or natural barrier  | 264.14(b)(2)(i)  | Yes | No | Page III.D-1, Section III                                    |
| 113 | III.C.1.c. | Means to control entry   | 264.14(b)(2)(ii) | Yes | No | Page III.D-1, Section III                                    |
| 114 | III.C.1.d. | Warning signs  | 264.14(c)        | Yes | No | Page III.D-1, Section III                                    |
| 115 | III.C.1.e. | Demonstration that the previous security items are not needed to prevent contact or disturbance of waste                           | 264.14(a)        | N/A |    |  |
| 116 | III.D.     | <b>Inspection Schedule</b>   | 264.15; 264.33   |     |    |  |
| 117 | III.D.1.   | Complete and submit Table III.D. - Inspection Schedule in hard copy and editable electronic format; Table must show:               |                  | Yes | No | Page III.D-26 through III.D-30, Section III                  |
| 118 | III.D.1.a. | Inspection of monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment, etc. | 264.15(b)(1)     | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 119 | III.D.1.b. | Types of problems expressed as deficiencies indicating a need for corrections and/or repairs                                       | 264.15(b)(3)     | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 120 | III.D.1.c. | Frequency of inspections   | 264.15(b)(4)     | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 121 | III.D.1.d. | Areas subject to spills (i.e., loading and unloading areas) must be inspected daily when in use                                    | 264.15(b)(4)     | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III |

|     |                |  |                   |     |    |  |
|-----|----------------|--|-------------------|-----|----|--|
| 122 | III.D.1.e.     | Specific process inspection requirements & remedies                              | 264.15(c)         | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 123 | III.D.1.f.     | Testing and maintenance of equipment; & Sample of inspection log form            | 264.15(d); 264.33 | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 124 | III.D.1.g.     | CONTAINER STORAGE AREA INSPECTION: (weekly)                                      |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 125 | III.D.1.g.1.   | Leaks, spills, and deteriorations caused by corrosion or other factors (weekly)  | 264.174           | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 126 | III.D.1.g.2.   | Containment system for Container Storage Areas:                                  |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D-5, Section III |
| 127 | III.D.1.g.2.a. | Free of cracks, gaps, leaks spills, precipitation                                |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 128 | III.D.1.g.2.b. | Area must be sloped;   |                   | N/A | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 129 | III.D.1.g.2.c. | Containment contain 10% vol. of containers or the vol. of the largest containers |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 130 | III.D.1.g.2.d. | Containment run-on system  |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 131 | III.D.1.g.2.e. | Spills, leaks, accumulated precipitation   |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |
| 132 | III.D.1.g.3.   | Containers do not contain free liquids   |                   | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III   |

|     |                |  |               |  |     |    |   |
|-----|----------------|--|---------------|--|-----|----|---|
| 133 | III.D.1.g.4.   | Loading and unloading areas for Container Storage Areas                                  |               |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 134 | III.D.1.h.     | TANK SYSTEM INSPECTION:  |               |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D-4 and II.D-5, Section III |
| 135 | III.D.1.h.1.   | Tank overfilling control   | 264.195       |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 136 | III.D.1.h.2.   | Above ground portions (daily)  | 264.195(c)(1) |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 137 | III.D.1.h.3.   | Tank monitoring data and leak detection equipment (daily)                                | 264.195(b)    |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 138 | III.D.1.h.4.   | Tank construction materials including secondary containment and surrounding area (daily) | 264.195(c)(2) |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 139 | III.D.1.h.5.   | Ancillary Equipment without secondary containment must be inspected each operating day   | 264.195(f)    |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 140 | III.D.1.h.6.   | Cathodic protection system:  | 264.195(g)    |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 141 | III.D.1.h.6.a. | Six months after installation and annually thereafter                                    | 264.195(g)(1) |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 142 | III.D.1.h.6.b. | Source of impressed current (bi-monthly)   | 264.195(g)(2) |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |
| 143 | III.D.1.h.7.   | Facilities requesting a variance from secondary containment must:                        | 264.193(h)    |  | Yes | No | Page III.D-26 through III.D-30 & Appendix III.D, Section III              |

|     |                |   |  |     |     |  |
|-----|----------------|---|--|-----|-----|--|
| 144 | III.D.1.h.7.a. | Perform a leak test for non-enterable underground tanks (annually)  | 264.193(i)(1)                                | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 145 | III.D.1.h.7.b. | Perform a leak test for other than non-enterable underground tanks  | 264.193(i)(2)                                | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 146 | III.D.1.h.7.c. | Ancillary equipment/leak test integrity assessment (annually)   | 264.193(i)(3)                                | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 147 | III.D.1.h.7.d. | Maintain assessment records   | 264.193(i)(4)                                | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 148 | III.D.1.h.7.e. | Response to leaks following 264.196   | 264.193(i)(5)                                | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 177 | III.D.1.p.     | MISCELLANEOUS UNIT INSPECTION   | 264.602                                      | Yes | No  | Page III.D-26 through III.D-30 & Appendix III.D, Section III |
| 179 | III.E.         | <b>Contingency Plan (Does not apply to post-closure application)</b>  | 335.152(a)(1)(C and D); 264 subparts C and D |     |     |  |
| 180 | III.E.~a.      | Provide amendments to SPCC Plan as applicable   | 264.52(b)                                    | N/A |     |  |
| 181 | III.E.~b.      | Provide general information including a facility drawing showing location of all emergency equipment, emergency coordinators, and statements that the emergency coordinator is authorized to commit the resources of the facility | 264.52; 264.55                               | Yes | Yes | Appendix III.E, Section III                                  |
| 182 | III.E.~c.      | Provide location of waste and demonstrate that facilities will be eligible to receive HW  | 270.14(b)(11)(iv)(C)(2)                      | Yes | No  | Appendix III.E, Section III                                  |
| 183 | III.E.~d.      | Provide the potential for accidental discharges of waste during movement  | 270.14(b)(11)(iv)(C)(4)                      | Yes | No  | Appendix III.E, Section III                                  |
| 184 | III.E.~e.      | Provide a copy of Contingency Plan to appropriate local authorities   | 264.53                                       | Yes | No  | Pages III.E-19 and III.E-20, Section III                     |
| 185 | III.E.~f.      | Amend the contingency plan as appropriate   | 264.54                                       | Yes | No  | Page III.E-21, Section III                                   |
| 186 | III.E.~g.      | Describe emergency procedures, notification & post-incident written report  | 335.153; 264.56                              | Yes | No  | Appendix III.E, Section III                                  |
| 187 | III.E.1.       | Complete and submit Table III.E.1. - Arrangements With Local Authorities in hard copy and editable electronic format:   | 264.37; 264.52(c)                            | Yes | No  | Pages III.E.1-1 and III.E.1-2, Section III                   |
| 188 | III.E.1.a.     | Provide arrangements to familiarize local authorities with:   | 264.37(a)(1)                                 | Yes | No  | Appendix III.E, Section III                                  |

|     |              |   |                              |     |     |                                |  |
|-----|--------------|---|------------------------------|-----|-----|--------------------------------|--|
| 189 | III.E.1.a.1. | Facility layout   | 264.37(a)(1)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 190 | III.E.1.a.2. | Properties of HW handled  | 264.37(a)(1)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 191 | III.E.1.a.3. | Possible injuries from fires, explosions, or releases of HW at the facility   | 264.37(a)(4)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 192 | III.E.1.a.4. | Facility personnel work areas   | 264.37(a)(1)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 193 | III.E.1.a.5. | Facility entrances  | 264.37(a)(1)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 194 | III.E.1.a.6. | Evacuation routes   | 264.37(a)(1)                 | Yes | No  | Appendix III.E,<br>Section III |  |
| 195 | III.E.2.     | Complete and submit Table III.E.2 - Emergency Coordinators (list of addresses and telephone numbers) in hard copy and editable electronic format; Must include alternate emergency coordinator(s) | 264.52(d)                    | Yes | Yes | Page III.E.2-1,<br>Section III |  |
| 196 | III.E.3.     | Complete and submit Table II.E.3 - Emergency Equipment in hard copy and editable electronic format including:   | 264.32; 264.52(e)            | Yes | Yes | Page III.E.3-1,<br>Section III |  |
| 197 | III.E.3.a.   | Fire-extinguishing system   | 264.32(c); 264.52(e)         | Yes | No  | Page III.E-17,<br>Section III  |  |
| 198 | III.E.3.b.   | Spill-control equipment   | 264.32(c); 264.52(e)         | Yes | No  | Page III.E-17,<br>Section III  |  |
| 199 | III.E.3.c.   | Communications and alarm systems (internal and external)  | 264.32(a) and (b); 264.52(e) | Yes | No  | Page III.E-16,<br>Section III  |  |
| 200 | III.E.3.d.   | Decontamination equipment   | 264.32(c); 264.52(e)         | Yes | No  | Page III.E-18,<br>Section III  |  |
| 201 | III.E.3.e.   | Water at adequate volume & pressure, foam producing equipment, sprinklers, or water spray systems   | 264.32(d); 264.52(e)         | Yes | No  | Page III.E-17,<br>Section III  |  |
| 202 | III.E.3.f.   | Testing and Maintenance of equipment (May include as Part of Inspection Schedule)   | 264.33; 264.15(b)(1)         | Yes | No  | Page III.E-18,<br>Section III  |  |
| 203 | III.E.3.g.   | Access to communications or alarm system  | 264.34                       | Yes | No  | Page III.E-16,<br>Section III  |  |
| 204 | III.E.3.h.   | Evacuation plan and signal  | 264.52(f)                    | Yes | No  | Appendix III.E,<br>Section III |  |
| 205 | III.F.       | <b>Emergency Response Plan (For new or renewal of commercial HW management facility only)</b>   | 305.50(a)(12)(C-D)           |     |     |                                |  |
| 206 | III.F.1.     | Provide practice drills:  |                              | N/A |     |                                |  |
| 207 | III.F.1.a.   | Timing of practice evacuation drills  | 305.50(a)(12)(C)(i)(I)       | N/A |     |                                |  |
| 208 | III.F.1.b.   | Efficiency and safety of evacuation   | 335.183(d)(11)               | N/A |     |                                |  |
| 209 | III.F.2.     | Provide contracts if applicable:  |                              | N/A |     |                                |  |
| 210 | III.F.2.a.   | Contracts with any private corporation, municipality, or county   | 305.50(a)(12)(C)(i)(I)       | N/A |     |                                |  |
| 211 | III.F.3.     | Provide weather data:   |                              | N/A |     |                                |  |
| 212 | III.F.3.a.   | Historical weather data   | 305.50(a)(12)(C)(i)(III)     | N/A |     |                                |  |
| 213 | III.F.3.b.   | Seasonally prevailing winds and weather   | 335.183(d)(3)                | N/A |     |                                |  |
| 214 | III.F.4.     | Define worst-case emergencies for proposed facility   | 305.50(a)(12)(C)(i)(IV)      | N/A |     |                                |  |

|     |               |   |  |     |    |                         |  |
|-----|---------------|---|--|-----|----|-------------------------|--|
| 215 | III.F.5.      | Provide training program for emergency response personnel, including requirements described in regulations  | 305.50(a)(12)(C)(i)(V); 264.16 29; CFR 1910.120(e); EPA Fed Reg. 311; TX Haz. Comm. Act SARA 302, 304, 311, 312, and 313                   | N/A |    |                         |  |
| 216 | III.F.6.      | Describe and identify first responders:   |  | N/A |    |                         |  |
| 217 | III.F.6.a.    | Identification of first responders  | 305.50(a)(12)(C)(i)(VI)  | N/A |    |                         |  |
| 218 | III.F.6.b.    | Length of time for first response   | 335.183(d)(6)  | N/A |    |                         |  |
| 219 | III.F.6.c.    | Equipment and trained personnel available on first response basis   | 335.183(d)(8)  | N/A |    |                         |  |
| 220 | III.F.7.      | Identify local or regional emergency medical services:  | 305.50(a)(12)(C)(i)(VII)   | N/A |    |                         |  |
| 221 | III.F.7.a.    | Availability of local emergency response resources  | 335.183(d)(4)  | N/A |    |                         |  |
| 222 | III.F.8.      | Provide pre-disaster plan   | 305.50(a)(12)(C)(i)(VIII)  | N/A |    |                         |  |
| 223 | III.F.9.      | Describe mechanism for notifying first respondent and all applicable government agencies (i.e. TCEQ, TPWD, TCEQ Office of Air Quality, GLO, TDH, & TRRC)  | 305.50(a)(12)(C)(i)(IX)  | N/A |    |                         |  |
| 224 | III.F.10.     | Provide evidence of Local Emergency Planning Committee and compliance with SARA Title III   | 305.50(a)(12)(C)(i)(X)   | N/A |    |                         |  |
| 225 | III.F.11.     | Provide details of medical response:  |  | N/A |    |                         |  |
| 226 | III.F.11.a.   | Medical response capabilities   | 305.50(a)(12)(C)(i)(XI)  | N/A |    |                         |  |
| 227 | III.F.11.b.   | Ability to deal with various types of injuries  | 335.183(d)(9)  | N/A |    |                         |  |
| 228 | III.F.11.c.   | Other factors that will be reviewed and considered for permitting decisions on approvals of new commercial HW management facilities:  | 335.183(d)   |     |    |                         |  |
| 229 | III.F.11.c.1. | Geology of the area   | 335.183(d)(1)  | N/A |    |                         |  |
| 230 | III.F.11.c.2. | Drainage patterns   | 335.183(d)(2)  | N/A |    |                         |  |
| 231 | III.F.11.c.3. | Proximity of human exposure and/or sensitive environmental receptors  | 335.183(d)(5)  | N/A |    |                         |  |
| 232 | III.F.11.c.4. | Trained response teams on-site  | 335.183(d)(7)  | N/A |    |                         |  |
| 233 | III.F.11.c.5. | Ability to respond to environmental contamination   | 335.183(d)(10)   | N/A |    |                         |  |
| 234 | III.F.11.d.   | Provide justification of waiver or documentation of preparedness and prevention requirements of 264 subpart C   | 270.14(b)(6)   | N/A |    |                         |  |
| 235 | IV.           | <b>Wastes and Waste Analysis</b>  |  |     |    |                         |  |
| 236 | IV.A.~.       | <b>Complete and submit Table IV.A. - Waste Management Information for new hazardous waste (HW) management facility or for a facility capacity expansion in hard copy and editable electronic format</b> | 305.50(a)(9)   | Yes | No | Page IV.A-1, Section IV |  |
| 237 | IV.A.~.a.     | For on-site, list "on-site" for the waste source; For off-site, list the source of the waste; If unknown, identify potential sources  |  | N/A |    |                         |  |
| 238 | IV.B.         | <b>Complete and submit Table IV.B. - Waste Managed In Permitted Units in hard copy and editable electronic format</b>   | 335.501-335.515; 261.21-261.24; 261.30-261.33  | Yes | No | Page IV.B-1, Section IV |  |
| 239 | IV.C.         | <b>Complete and submit Table IV.C. - Sampling and Analytical Methods in hard copy and editable electronic format</b>  | 264.13(a), (b)(1-4), and (c)(2); 261 Appendix I; 261 Appendix II; 261 Appendix III; or any sampling method approved by EPA; 264.13(b)(5-8) | Yes | No | Page IV.C-1, Section IV |  |
| 240 | IV.D.         | <b>Provide Waste Analysis Plan:</b>   |  | Yes | No | Page IV.D-1, Section IV |  |



|     |           |   |   |     |    |  |  |
|-----|-----------|---|---|-----|----|--|--|
| 241 | IV.D.~.a. | Quality Control/Quality Assurance (Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, SW-846, 1987, as revised;  | SW-846; TCEQ QAPP; Part 261, Appendix I; 260.20; 260.21 |     |    |  |  |
| 242 | IV.D.~.b. | Latest version of the Quality Assurance Project Plan for the Texas Commission on Environmental Quality for Environmental Monitoring and Measurement Activities Relating to the Resource Conservation and Recovery Act)                                  |   |     |    |  |  |
| 243 | IV.D.1.   | For off-site facilities, specify procedures to inspect and analyze each movement of industrial waste received at the facility to ensure it matches the identity of the waste designated on the accompanying shipping ticket                             | 264.13(c)(1)  | Yes | No | Page IV.D-4, Section IV                    |  |
| 244 | IV.D.2.   | Provide requirements pertaining to Land Disposal Restrictions   | Part 268; 268.7(c); 264.13(a)                           | Yes | No | Appendix IV.D, Section IV                  |  |
| 245 | IV.D.3.   | CONTAINERS: (The Applicant must address the following information and may provide it in the Container Engineering Report with cross reference here, or provide information here and reference it in the Container Engineering Report)                   | 264 subpart I   |     |    |  |  |
| 246 | IV.D.3.a. | Demonstrate compatibility of waste with containers  | 264.172   | Yes | No | Appendix IV.D, Section IV and in Section V |  |
| 247 | IV.D.3.b. | For containers w/o secondary containment system, provide test procedures and results which show that wastes do not contain free liquid; suggested test for free liquid is the Paint Filter Liquid Test (Method 9095)                                    | 270.15(b)   | Yes | No | Page IV.C-2                                |  |
| 248 | IV.D.3.c. | Provide special requirements for ignitable or reactive wastes   | 264.176   | Yes | No | Appendix IV.D, Section IV                  |  |
| 249 | IV.D.3.d. | Provide special requirements for incompatible wastes  | 264.177   | Yes | No | Appendix IV.D, Section IV                  |  |
| 250 | IV.D.4.   | TANKS: (The Applicant must address the following information and may provide it in the Tanks and Tank System Engineering Report with cross reference here, or provide information here and reference it in the Tank and Tank System Engineering Report) | 264 subpart J   |     |    |  |  |
| 251 | IV.D.4.a. | Provide special requirements for ignitable or reactive wastes   | 264.198   | Yes | No | Appendix IV.D, Section IV                  |  |
| 252 | IV.D.4.b. | Provide buffer zone requirements for tanks containing flammable and combustible liquids   | 264.198(b)  | Yes | No | Appendix IV.D, Section IV                  |  |
| 253 | IV.D.4.c. | Provide special requirements for incompatible wastes  | 264.199   | Yes | No | Appendix IV.D, Section IV                  |  |
| 280 | V.        | <b>Engineering Reports</b>  |   |     |    |  |  |
| 281 | V.~.      | Provide required general information:   |   |     |    | Page V.A-1, Section V                      |  |
| 282 | V.~.1.    | Description of procedures, structures, or equipment used at the facility to:  | 270.14(b)(8)  | Yes | No | Appendix V.A, Section V                    |  |
| 283 | V.~.1.a.  | Prevent hazards in unloading operations   | 270.14(b)(8)(i)   | Yes | No | Page V.A-3, Section V                      |  |
| 284 | V.~.1.b.  | Prevent run-off from hazardous handling   | 270.14(b)(8)(ii)  | Yes | No | Page V.A-6, Section V                      |  |
| 285 | V.~.1.c.  | Prevent contamination of water supplies   | 270.14(b)(8)(iii)                                       | Yes | No | Page V.A-6, Section V                      |  |

|     |            |   |                   |     |    |                                 |   |
|-----|------------|---|-------------------|-----|----|---------------------------------|---|
| 286 | V.~1.d.    | Mitigate effects of equipment failure   | 270.14(b)(8)(iv)  | Yes | No | Page V.A-6, Section V           |   |
| 287 | V.~1.e.    | Prevent undue exposure of personnel to hazardous waste (HW)   | 270.14(b)(8)(v)   | Yes | No | Page V.A-6, Section V           |   |
| 288 | V.~1.f.    | Prevent releases to atmosphere  | 270.14(b)(8)(vi)  | Yes | No | Page V.A-6, Section V           |   |
| 289 | V.~2.      | Traffic pattern, estimated volume (number and types of vehicles) and control; Description of access road surfacing and load bearing capacity; Traffic control sign should be shown                    | 270.14(b)(10)     | Yes | No | Page V.A-2 and V.A-8, Section V | See figure: Site Plan Facility Traffic Patterns |
| 290 | V.~3.      | Description of precautions to prevent accidental commingling of incompatible wastes in each of the units; Information should be provided to ensure that precautions are taken to avoid danger due to: | 264.17(b)         | Yes | No | Page V.A-3, Section V           |   |
| 291 | V.~3.a.    | Generation of extreme heat or pressure, fire, explosion, or violent reaction  | 264.17(b)(1)      | Yes | No | Page V.A-3, Section V           |   |
| 292 | V.~3.b.    | Production of uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health  | 264.17(b)(2)      | Yes | No | Page V.A-3, Section V           |   |
| 293 | V.~3.c.    | Production of uncontrolled flammable fumes or gases in sufficient quantities to pose risk of fire or explosion  | 264.17(b)(3)      | Yes | No | Page V.A-3, Section V           |   |
| 294 | V.~3.d.    | Damaging the structural integrity of the device or facility containing the waste  | 264.17(b)(4)      | Yes | No | Page V.A-3, Section V           |   |
| 295 | V.~3.e.    | Threatening human health or the environmental by any other means  | 264.17(b)(5)      | Yes | No | Page V.A-3, Section V           |   |
| 296 | V.A.       | <b>A. General Engineering Reports</b>   |                   |     |    |                                 |   |
| 297 | V.A.1.     | General Information:  |                   |     |    |                                 |   |
| 298 | V.A.1.a.   | Complete and submit Table V.A - Facility Waste Management Handling Units in hard copy and editable electronic format  |                   | Yes | No | Page V.A.1-1, Section V         |   |
| 299 | V.A.1.b.   | Submit an overall plan view at an appropriate scale to show the location of all HW management units on 8 1/2" x 14" sheets in hard copy and editable electronic format, including the following:      | 305.45(a)(6)      | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan              |
| 300 | V.A.1.b.1. | Each body of water in the state within map area   | 305.45(a)(6)(A)   | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan + 1000 feet  |
| 301 | V.A.1.b.2. | General character of areas adjacent to facility   | 305.45(a)(6)(B)   | Yes | No | Page V.A-8, Section V           | See drawing: Regional Facility Map              |
| 302 | V.A.1.b.3. | Location of waste disposal activities conducted on tract but not included in application  | 305.45(a)(6)(C)   | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan              |
| 303 | V.A.1.b.4. | Ownership of tracts of land adjacent to facility and within reasonable distance from proposed or existing place of disposal or activity   | 305.45(a)(6)(D)   | Yes | No | Page V.A-8, Section V           | See drawing: Regional Facility Map              |
| 304 | V.A.1.b.5. | Other information that may be requested by the executive director   | 305.45(a)(6)(E)   | N/A |    |                                 |   |
| 305 | V.A.1.c.   | Submit topographic map(s) showing the facility boundary and a distance of 1,000 ft. around it, having a scale of 1 inch equal to not more than 200 feet; The map must clearly show:                   | 270.14(b)(19)     | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan + 1000 feet  |
| 306 | V.A.1.c.1. | scale and date  | 270.14(b)(19)(i)  | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan + 1000 feet  |
| 307 | V.A.1.c.2. | 100-yr flood plain area   | 270.14(b)(19)(ii) | Yes | No | Page V.A-8, Section V           | See drawing: Overall Facility Plan + 1000 feet  |

|     |               |   |                     |     |    |                       |  |
|-----|---------------|---|---------------------|-----|----|-----------------------|--|
| 308 | V.A.1.c.3.    | surface waters (including intermittent streams and drainage ditches)  | 270.14(b)(19)(iii)  | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 309 | V.A.1.c.4.    | surrounding land uses   | 270.14(b)(19)(iv)   | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 310 | V.A.1.c.5.    | wind rose (may be submitted in a separate sheet)  | 270.14(b)(19)(v)    | Yes | No | Page V.A-8, Section V | See drawing: Wind Rose                         |
| 311 | V.A.1.c.6.    | orientation of the map (north arrow)  | 270.14(b)(19)(vi)   | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 312 | V.A.1.c.7.    | legal boundaries of the HWM facility  | 270.14(b)(19)(vii)  | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 313 | V.A.1.c.8.    | access control or surveillance equipment  | 270.14(b)(19)(viii) | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 314 | V.A.1.c.9.    | injection and withdraw wells both on-site and off-site  | 270.14(b)(19)(ix)   | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 315 | V.A.1.c.10.   | buildings   | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 316 | V.A.1.c.11.   | treatment, storage or disposal operations   | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 317 | V.A.1.c.12.   | recreation areas  | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 318 | V.A.1.c.13.   | run-off control system  | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 319 | V.A.1.c.14.   | access and internal roads   | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 320 | V.A.1.c.15.   | storm, sanitary, and process sewerage system  | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 321 | V.A.1.c.16.   | loading and unloading areas   | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 322 | V.A.1.c.17.   | fire control facilities   | 270.14(b)(19)(x)    | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan + 1000 feet |
| 323 | V.A.1.c.18.   | barriers for drainage or flood control  | 270.14(b)(19)(xi)   | N/A |    | Page V.A-8, Section V |  |
| 324 | V.A.1.c.19.   | location and outline of operational units   | 270.14(b)(19)(xii)  | Yes | No | Page V.A-8, Section V | See drawing: Overall Facility Plan             |
| 325 | V.A.1.c.20.   | Additional information requirements found on topographic maps: (If any of the following information has been submitted as part of the GW Monitoring Report in Section VI, provide a reference to it here) |                     | N/A |    |                       |  |
| 326 | V.A.1.c.20.a. | identification of the uppermost aquifer   | 270.14(c)(2)        | N/A |    |                       |  |
| 327 | V.A.1.c.20.b. | delineation of the waste management units   | 270.14(c)(3)        | Yes | No | Provide Location      |  |
| 328 | V.A.1.c.20.c. | property boundary   | 270.14(c)(3)        | Yes | No | Provide Location      |  |
| 329 | V.A.1.c.20.d. | proposed "Point of Compliance" as defined under 264.95  | 270.14(c)(3)        | N/A |    |                       |  |
| 330 | V.A.1.c.20.e. | proposed location of GW monitoring wells as required under 264.97   | 270.14(c)(3)        | N/A |    |                       |  |

|     |               |  |  |     |    |  |                                    |
|-----|---------------|--|--|-----|----|--|------------------------------------|
| 331 | V.A.1.c.21.   | Information requirements for SWM units: (If any of the following information has been submitted as part of the Preliminary Review Checklist, provide a reference to it here)   | 270.14(d)(1)   | Yes | No | Page V.A-8, Section V, Page IX-21 for Prelim Rev. Facility Checklist | See drawing: Overall Facility Plan |
| 332 | V.A.1.c.21.a. | location of the unit on a topographic map  | 270.14(d)(1)(i)  | Yes | No | Page V.A-8, Section V  | See drawing: Topographic Site Map  |
| 333 | V.A.1.c.21.b. | designation of type of unit  | 270.14(d)(1)(ii)   | Yes | No | Page V.A-8, Section V  |                                    |
| 334 | V.A.1.c.21.c. | general dimensions and structural description  | 270.14(d)(1)(iii)  | Yes | No | Engineering Reports specific to those units, Table V.B, Table V.C    |                                    |
| 335 | V.A.1.c.21.d. | when unit was operated   | 270.14(d)(1)(iv)   | Yes | No | Preliminary Review Facility Checklist, Page IX-21                    |                                    |
| 336 | V.A.1.c.21.e. | specification of wastes that have been managed at the unit, to the extent available  | 270.14(d)(1)(v)  | Yes | No | Preliminary Review Facility Checklist, Page IX-21                    |                                    |
| 337 | V.A.2.        | Provide design, construction, and operational information of features to mitigate unsuitable site characteristics where applicable (information covered under Sections I.E & II.F) as specified in the rules   | 335.204(a)(1, 3-9);<br>335.204(b)(1, 4-5, 7-10, 12);<br>335.204(c)(1, 4-9, 11);<br>335.204(d)(1, 4-9, 11);<br>335.204(e)(1, 4-5, 8-11, 13) | Yes | No | Page V.A-6, Section V  |                                    |
| 338 | V.A.3.        | Construction Schedules   |  |     |    |  |                                    |
| 339 | V.A.3.a.      | Provide schedule of compliance for retrofitting (if applicable)  | 270.33(a)(2); 270.33(b)  | Yes | No | Page V.A-7, Section V  |                                    |
| 340 | V.A.3.b.      | Provide construction schedule of commercial HW management units in the application for commercial HW management facilities, permit applications (new, renewal, or interim status applications, major amendments, or Class 3 modifications submitted after 11/23/94), adhering to the time limitation   | 305.149  | Yes | No | Page V.A-7, Section V  |                                    |
| 341 | V.A.4.        | Provide detailed plans and specifications individually sealed, signed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number; Note: For applications subject to post-closure only, submittal of as-built plans and specifications for the final cover system, individually for the unit and sealed, signed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number would satisfy this requirement; Other as-built plans and specifications for the unit may be submitted upon request | 270.14; 305.50(a)(7)   | Yes | No | Appendix V.A, Section V  |                                    |
| 342 | V.B.          | <b>Container Storage Areas</b>   | 335.152(a)(7); 264 subpart I   |     |    |  |                                    |
| 343 | V.B.1.        | Provide an Engineering Report with information specified in: 264.170-173, 264.175-264.177, and 270.15  | 264.170-173; 264.175-177; 270.15   | Yes | No | Appendix V.B.i through Appendix V.B.iv, Section V                    |                                    |
| 344 | V.B.1.a.      | Complete and submit Table V.B - Container Storage Areas in hard copy and editable electronic format  |  | Yes | No | Page V.B.1-1, Section IV   |                                    |

|     |            |   |                             |     |     |   |
|-----|------------|---|-----------------------------|-----|-----|---|
| 345 | V.B.1.b.   | Provide required additional information:  |                             | Yes | Yes | Appendix V.B.i through Appendix V.B.iv, Section V         |
| 346 | V.B.1.b.1. | Aisle space requirements  |                             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V |
| 347 | V.B.1.b.2. | Condition of containers   |                             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 3, Section V |
| 348 | V.B.1.b.3. | Compatibility of waste with containers  |                             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 4, Section V |
| 349 | V.B.1.b.4. | Container management practices  |                             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 5, Section V |
| 350 | V.B.1.b.5. | Air Emission Standards (Part 264 Subpart AA, BB, and CC Requirements)   |                             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 3, Section V |
| 351 | V.B.2.     | Provide the design and operation for containment system including diagrams and engineering drawings (plans):  | 270.15                      | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Section V         |
| 352 | V.B.2.~1.  | A base which is free of cracks or gaps must underlay the containers; the base must be sloped, or the containment system must be designed and operated to drain and remove liquids resulting from leaks, spills or precipitation | 264.175(b)(1-2)             | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V |
| 353 | V.B.2.~2.  | Overflow prevention   | 264.175(b)(5); 270.15(a)(5) | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V |
| 354 | V.B.2.~3.  | Basic design parameters, dimensions, and materials of construction  | 270.15(a)(1)                | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V |
| 355 | V.B.2.~4.  | Drainage design:  | 270.15(a)(2)                | Yes | No  | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V |

|     |            |  |   |     |    |   |
|-----|------------|--|---|-----|----|---|
| 356 | V.B.2.a.   | Containment system must have sufficient capacity to contain 10% volume of containers or volume of largest container (TCEQ recommends 25-yr, 24-hr rainfall event for extra capacity of uncovered areas)  | 264.175(b)(3), 270.15(a)(3)               | Yes | No | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V   |
| 357 | V.B.2.b.   | Run-on prevention (TCEQ recommends 25-yr, 24-hr rainfall event to calculate the excess capacity)   | 264.175(b)(4); 270.15(a)(4)               | N/A |    |   |
| 358 | V.B.3.     | Wastes Containing No Free Liquids  | 264.175(c)                                |     |    |   |
| 359 | V.B.3.~.   | Storage areas that store containers holding only wastes that do not contain free liquids need not have a containment system, provided that:  |   |     |    |   |
| 360 | V.B.3.~.1. | Storage area is sloped or designed and operated to drain and remove liquid resulting from precipitation; Submit a demonstration  | 264.175(c)(1)                             | N/A |    |   |
| 361 | V.B.3.~.2. | Containers are elevated or otherwise protected from contact with accumulated liquid the following info; Submit a demonstration that includes:  | 264.175(c)(2)                             | Yes | No | Appendix V.B.i through Appendix V.B.iv, Section V           |
| 362 | V.B.3.a.   | Test procedures and results that wastes do not contain free liquid   | 270.15(b)(1)                              | N/A |    |   |
| 363 | V.B.3.b.   | Design and operation of storage to remove and drain liquids  | 270.15(b)(2)                              | Yes | No | Appendix V.B.i through Appendix V.B.iv, Page 6, Section V   |
| 364 | V.B.3.~.3. | Provide the design and operation (264.175(b)) for containers holding Dioxin wastes (FO20, FO21, FO22, FO23, FO26 and FO27) that do not contain free liquids  | 264.175(d)                                | N/A |    |   |
| 365 | V.B.4.     | Provide engineering report drawings with buffer zone requirements if container storage area manages ignitable or reactive wastes   | 264.17; 264.176                           | Yes | No | Page V.B.iii-7, Section V                                   |
| 366 | V.B.5.     | Provide information here about special requirements of incompatible wastes, or reference information provided in Section IV  | 264.177                                   | Yes | No | Appendix V.B.i through Appendix V.B.iv, Page 7, Section V   |
| 367 | V.B.6.     | Management of nonhazardous waste in CSA: If facilities are managing nonhazardous wastes, the types, quantities, and other information on the nonhazardous waste may need to be included as part of CSA Engineering Report and Table V.B. if applicable |   | N/A |    |   |
| 368 | V.B.7.     | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number                                  | 270.14; 305.50(a)(7)                      | Yes | No | Appendix V.B.i through Appendix V.B.iv, Section V           |
| 369 | V.C.       | <b>Tanks and Tank Systems</b>  | 335.152(a)(8); 264 subpart J              |     |    |   |
| 370 | V.C.~.     | Provide an Engineering Report with information specified in: 264.190-194, 264.196, 264.198-199, and 270.16.  | 264.190-194; 264.196; 264.198-199; 270.16 | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V          |
| 371 | V.C.1.     | Complete and submit Table V.C. - Tanks and Tank System in hard copy and editable electronic format   |   | Yes | No | Page V.C.1-1, Section V                                     |
| 372 | V.C.2.     | If tank will manage ignitable or reactive waste, describe and provide drawings demonstrating the buffer zone requirements in the engineering report  | 264.17; 264.198                           | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 10, Section V |



|     |            |   |                             |     |    |   |
|-----|------------|---|-----------------------------|-----|----|---|
| 373 | V.C.3.     | If tank will manage incompatible waste, describe special requirements and procedures  | 264.17; 264.199             | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 11, Section V |
| 374 | V.C.4.     | Submit written assessments and certification and reviewed by a licensed PE for existing tank system(s) without adequate secondary containment   | 264.191; 264.193; 270.11(d) | N/A |    |   |
| 375 | V.C.5.     | Specify if tank has been derated or if the permitted capacity is different from the design capacity   |                             | N/A |    |   |
| 376 | V.C.6.     | Provide in the report for Tanks and Tank Systems all applicable aspects listed below, with supporting drawings, calculations, and certifications provided as attachments:   |                             | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V          |
| 377 | V.C.6.a.   | 40 CFR 264.193 Exemption from Secondary Containment Requirements: a) Based on management of <u>No Free Liquids</u> in Tanks within a building with an impermeable flooring; OR, b) Based on tanks systems and sumps that serve as secondary containment to collect or contain releases of hazardous materials | 264.190(a); 264.190(b)      | N/A |    |   |
| 378 | V.C.6.b.   | Address response to leaks, spills and/or the disposition of leaking or unfit for-use tank systems, including:   | 264.196                     | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V          |
| 379 | V.C.6.b.1. | Cessation of use; prevent flow or addition of wastes  | 264.196(a)                  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 8, Section V  |
| 380 | V.C.6.b.2. | Removal of waste from tank system or secondary containment system   | 264.196(b)                  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 9, Section V  |
| 381 | V.C.6.b.3. | Containment of visible releases to environment  | 264.196(c)                  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 9, Section V  |
| 382 | V.C.6.b.4. | Notification, reports   | 264.196(d)                  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 9, Section V  |
| 383 | V.C.6.b.5. | Notification of secondary containment repair  | 264.196(e)                  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 9, Section V  |
| 384 | V.C.6.b.6. | Certification of major repairs  | 264.196(f)                  | N/A |    |   |
| 385 | V.C.6.c.   | Provide assessment of existing tank system, including:  | 264.191                     | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V          |



|     |              |  |                                  |     |    |  |                    |
|-----|--------------|--|----------------------------------|-----|----|--|--------------------|
| 386 | V.C.6.c.1.   | Assessment of existing system's integrity certified by a licensed PE   | 264.191(a)                       | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 5, Section V |                    |
| 387 | V.C.6.c.2.   | Design standards   | 264.191(b)(1)                    | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 5, Section V |                    |
| 388 | V.C.6.c.3.   | Hazardous characteristics of wastes in tanks   | 264.191(b)(2)                    | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 9, Section V |                    |
| 389 | V.C.6.c.4.   | Existing corrosion protection  | 264.191(b)(3)                    | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 3, Section V |                    |
| 390 | V.C.6.c.5.   | Age of tank(s)   | 264.191(b)(4)                    | Yes | No | V.C.iii-15, Section V                                      | See exhibit V.C.1. |
| 391 | V.C.6.c.6.   | For non-enterable tanks - Leak test/integrity examination  | 264.191(b)(5)                    | Yes | No | V.C.iii-15, Section V                                      | See exhibit V.C.1. |
| 392 | V.C.6.d.     | Provide assessment of new tank systems or components, including:   | 264.192                          | N/A |    |  |                    |
| 393 | V.C.6.d.1.   | Assessment of new tank system's integrity certified by a licensed PE   | 264.192(a); 270.11(d); 270.16(a) | N/A |    |  |                    |
| 394 | V.C.6.d.2.   | Design standards   | 264.192(a)(1)                    | N/A |    |  |                    |
| 395 | V.C.6.d.3.   | Hazardous characteristics of wastes  | 264.192(a)(2)                    | N/A |    |  |                    |
| 396 | V.C.6.d.4.   | Existing corrosion protection  | 264.192(a)(3)(i-ii)              | N/A |    |  |                    |
| 397 | V.C.6.e.     | Provide tank system(s) plans and specifications, including:  |                                  | N/A |    |  |                    |
| 398 | V.C.6.e.1.   | Dimensions and capacity  | 270.16(b)                        | N/A |    |  |                    |
| 399 | V.C.6.e.2.   | Feed systems   | 270.16(c)                        | N/A |    |  |                    |
| 400 | V.C.6.e.3.   | Piping, instrumentation, process flow  | 270.16(d)                        | N/A |    |  |                    |
| 401 | V.C.6.e.4.   | External corrosion protection  | 270.16(e)                        | N/A |    |  |                    |
| 402 | V.C.6.e.5.   | Description of tank system installation and testing plans and procedures   | 270.16(f)                        | N/A |    |  |                    |
| 403 | V.C.6.e.6.   | Plans and description of the design, construction and operation of the secondary containment system for each tank system   | 270.16(g)                        | N/A |    |  |                    |
| 404 | V.C.6.e.7.   | Description of overflow and spill control as required under 264.194(b):  | 270.16(i)                        | N/A |    |  |                    |
| 405 | V.C.6.e.7.a. | Spill prevention controls  | 264.194(b)(1)                    | N/A |    |  |                    |
| 406 | V.C.6.e.7.b. | Overflow prevention controls   | 264.194(b)(2)                    | N/A |    |  |                    |
| 407 | V.C.6.e.7.c. | Maintenance of sufficient freeboard for uncovered tanks if no other controls to prevent overfilling                        | 264.194(b)(3)                    | N/A |    |  |                    |
| 408 | V.C.6.e.8.   | Special requirements for ignitable or reactive wastes  | 264.198; 270.16(j)               | N/A |    |  |                    |
| 409 | V.C.6.e.9.   | Special requirements for incompatible wastes.  | 264.199; 270.16(j)               | N/A |    |  |                    |
| 410 | V.C.6.e.10.  | Information on air emission control equipment as required in 270.27  | 270.16(k)                        | N/A |    |  |                    |
| 411 | V.C.6.f.     | Secondary containment system: Should be capable of detecting and accumulating releases until collected material is removed | 264.193(b)(1); 264.193(b)(2)     |     |    |  |                    |
| 412 | V.C.6.f.1.   | Provide minimum requirements, including:   | 264.193(c)                       | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V         |                    |

|     |              |   |   |     |    |   |                    |
|-----|--------------|---|---|-----|----|---|--------------------|
| 413 | V.C.6.f.1.a. | Compatibility, strength   | 264.193(c)(1)   | Yes | No | V.C.iii-15, Section V   | See exhibit V.C.1. |
| 414 | V.C.6.f.1.b. | Foundation strength   | 264.193(c)(2)   | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 6, Section V        |                    |
| 415 | V.C.6.f.1.c. | Detect leak within 24 hours   | 264.193(c)(3)   | N/A |    |   |                    |
| 416 | V.C.6.f.1.d. | Drain/remove liquid within 24 hours   | 264.193(c)(4)   | N/A |    |   |                    |
| 417 | V.C.6.f.2.   | Include one or more of the following devices for secondary containment:   | 264.193(d)  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V                |                    |
| 418 | V.C.6.f.2.a. | Liner external to the tank  | 264.193(d)(1)   | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 8 and 15, Section V |                    |
| 419 | V.C.6.f.2.b. | Vault   | 264.193(d)(2)   | N/A |    |   |                    |
| 420 | V.C.6.f.2.c. | Double-walled tank  | 264.193(d)(3)   | N/A |    |   |                    |
| 421 | V.C.6.f.2.d. | Justification for equivalent device submitted   | 264.193(d)(4)   | N/A |    |   |                    |
| 422 | V.C.6.g.     | Provide documentation of containment requirements, including:   | 264.193(e)  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 8 and 15, Section V |                    |
| 423 | V.C.6.g.1.   | Tanks using External Liners and/or Vault Systems must contain 100% of the capacity of the largest tank plus 25-yr, 24-hr infiltration or run-on   | 264.193(e)(1)(i);<br>264.193(e)(2)(i);<br>264.193(e)(1)(ii);<br>264.193(e)(2)(ii)   | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 15, Section V       |                    |
| 424 | V.C.6.g.2.   | External liner must be free of cracks or gaps, and must be designed and installed to surround the tank  | 264.193(e)(1)(iii);<br>264.193(e)(1)(iv)  | Yes | No | Appendix V.C.i through Appendix V.C.iii, Page 8, Section V        |                    |
| 425 | V.C.6.g.3.   | Vault must be constructed with chemical resistant water stops in all joints and provided with an impermeable interior coating, means to protect against formation of ignitable vapors, and an exterior moisture barrier or an alternate means to protect against moisture incursion | 264.193(e)(2)(iii);<br>264.193(e)(2)(iv);<br>264.193(e)(2)(v);<br>264.193(e)(2)(vi) | N/A |    |   |                    |
| 426 | V.C.6.h.1.   | A double-walled tank must completely envelope inner tank as an integral structure;  | 264.193(e)(3)(i)  | N/A |    |   |                    |
| 427 | V.C.6.h.2.   | Protected from corrosion of both the interior and exterior tank shells.   | 264.193(e)(3)(ii)   | N/A |    |   |                    |
| 428 | V.C.6.h.3.   | Provided with built-in continuous leak protection system  | 264.193(e)(3)(iii)  | N/A |    |   |                    |
| 429 | V.C.6.i.     | Secondary containment for ancillary equipment.  | 264.193(f)  | N/A |    |   |                    |
| 430 | V.C.6.j.1.   | Variance from secondary containment from the requirements of 264.193 & 264.193(g):  | 270.16(h)   | N/A |    |   |                    |
| 431 | V.C.6.j.2.   | Variance based on demonstration of equivalent protection of groundwater and surface.  | 264.193(g)(1)(i-iv)   | N/A |    |   |                    |
| 432 | V.C.6.j.3.   | Variance on demonstration if no substantial present or potential hazard.  | 264.193(g)(2)(i-iv)   | N/A |    |   |                    |

|      |            |   |                         |     |    |  |
|------|------------|---|-------------------------|-----|----|--|
| 433  | V.C.7.     | Provide Inspection Requirements (may provide information either in the tank report with a complete Table III-D, or in Section III) and submit in hard copy and editable electronic format                             | 264.195                 | Yes | No | Appendix III.D, Section III                        |
| 434  | V.C.8.     | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 270.14(a); 305.50(a)(7) | Yes | No | Appendix V.C.i through Appendix V.C.iii, Section V |
| 1100 | V.K.       | <b>Miscellaneous Units</b>  | 335.152(a)(16); 270.23  |     |    |  |
| 1101 | V.K.~.     | Submit a Miscellaneous Unit(s) Engineering Report including the following at a minimum:   | 264.600-602             | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V  |
| 1102 | V.K.1.     | Complete and submit Table V.K - Miscellaneous Units in hard copy and editable electronic format   |                         | Yes | No | Page V.K.1-1                                       |
| 1103 | V.K.2.     | Provide application information on design requirements of 305 and 335 and 264 subparts I through O; Part 270; Part 63, subpart EEE; and Part 146, as appropriate  | 264.601(a)              | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V  |
| 1104 | V.K.3.     | For units which involves combustion, provide emission data or trial burn plan; complete Tables V.H.1-5 (for incinerators) or Tables V.I.1-5 (for BIFs)  |                         | N/A |    |  |
| 1105 | V.K.4.     | Provide Engineering Report including the following:   |                         | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V  |
| 1106 | V.K.4.a.   | Air Quality Addendum should be completed, Section IX of Part B  |                         | Yes | No | Page IX-11, Section IX                             |
| 1107 | V.K.4.b.   | Plans and description of the design, construction, and operation of the miscellaneous units   |                         | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V  |
| 1108 | V.K.4.c.   | Physical characteristics of materials in construction of the miscellaneous unit   |                         | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V  |
| 1109 | V.K.4.d.   | Address prevention of releases to groundwater or subsurface environment:  | 264.601(a)              | N/A |    |  |
| 1110 | V.K.4.d.1. | Amount, characteristics potential migration of wastes   | 264.601(a)(1)           | N/A |    |  |
| 1111 | V.K.4.d.2. | Hydrogeologic/geologic of the unit and area   | 264.601(a)(2)           | N/A |    |  |
| 1112 | V.K.4.d.3. | Quality of groundwater  | 264.601(a)(3)           | N/A |    |  |
| 1113 | V.K.4.d.4. | Quantity and flow direction   | 264.601(a)(4)           | N/A |    |  |
| 1114 | V.K.4.d.5. | Proximity to groundwater users and rates  | 264.601(a)(5)           | N/A |    |  |
| 1115 | V.K.4.d.6. | Land use  | 264.601(a)(6)           | N/A |    |  |
| 1116 | V.K.4.d.7. | Potential to affect surface waters  | 264.601(a)(7)           | N/A |    |  |
| 1117 | V.K.4.d.8. | Potential for health risks  | 264.601(a)(8)           | N/A |    |  |
| 1118 | V.K.4.d.9. | Potential for damage by exposure  | 264.601(a)(9)           | N/A |    |  |
| 1119 | V.K.4.e.   | Prevention of adverse effects through surface water considering:  | 264.601(b)              | N/A |    |  |
| 1120 | V.K.4.e.1. | Amount and characteristics of wastes  | 264.601(b)(1)           | N/A |    |  |
| 1121 | V.K.4.e.2. | Confining and collecting systems  | 264.601(b)(2)           | N/A |    |  |
| 1122 | V.K.4.e.3. | Hydrogeologic characteristics & topography of unit & area   | 264.601(b)(3)           | N/A |    |  |
| 1123 | V.K.4.e.4. | Patterns of precipitation   | 264.601(b)(4)           | N/A |    |  |
| 1124 | V.K.4.e.5. | Quality, quantity, direction of groundwater flow  | 264.601(b)(5)           | N/A |    |  |
| 1125 | V.K.4.e.6. | Proximity to surface waters & soils   | 264.601(b)(6)           | N/A |    |  |

|      |               |   |  |     |    |   |   |
|------|---------------|---|--|-----|----|---|---|
| 1126 | V.K.4.e.7.    | Uses & quality standards for surface waters   | 264.601(b)(7)  | N/A |    |   |   |
| 1127 | V.K.4.e.8.    | Quality of surface waters & soils   | 264.601(b)(8)  | N/A |    |   |   |
| 1128 | V.K.4.e.9.    | Land use  | 264.601(b)(9)  | N/A |    |   |   |
| 1129 | V.K.4.e.10.   | Potential for health risks  | 264.601(b)(10)   | N/A |    |   |   |
| 1130 | V.K.4.e.11.   | Potential for damage by exposure  | 264.601(b)(11)   | N/A |    |   |   |
| 1131 | V.K.4.f.      | Prevention of releases through air:   | 264.601(c)   | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V         |   |
| 1132 | V.K.4.f.1.    | Amount & characteristics of waste   | 264.601(c)(1)  | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V         |   |
| 1133 | V.K.4.f.2.    | Effectiveness of systems to prevent emissions   | 264.601(c)(2)  | N/A |    |   |   |
| 1134 | V.K.4.f.3.    | Operating characteristics   | 264.601(c)(3)  | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V         |   |
| 1135 | V.K.4.f.4.    | Meteorologic & topographic characteristics surrounding area   | 264.601(c)(4)  | Yes | No | Page V.A-8, Section V                                     | See figures: Topographic Site Map and Wind Rose |
| 1136 | V.K.4.f.5.    | Local air quality   | 264.601(c)(5)  | N/A |    |   |   |
| 1137 | V.K.4.f.6.    | Potential for health risks  | 264.601(c)(6)  | Yes | No | Provide Location  |   |
| 1138 | V.K.4.f.7.    | Potential for damage by exposure  | 264.601(c)(7)  | N/A |    |   |   |
| 1139 | V.K.4.g.      | Monitoring, analysis, inspection, response, reporting and corrective action   | 264.602  | N/A |    |   |   |
| 1140 | V.K.4.h.      | Detailed hydrologic, geologic, and meteorologic assessments and land use maps   | 270.23 (b)   | N/A |    |   |   |
| 1141 | V.K.4.i.      | Exposure information  | 270.23(c)  | Yes | No | Appendix V.K.i through Appendix V.K.ii, Page 2, Section V |   |
| 1142 | V.K.4.j.      | Laboratory testing area   | 270.23(d)  | Yes | No | Appendix V.K.i through Appendix V.K.ii, Page 2, Section V |   |
| 1143 | V.K.4.k.      | Any additional information determined by the Director for evaluation of unit and environmental performance standards of 264.100(b)  | 270.23(e)  | N/A |    |   |   |
| 1144 | V.K.5.        | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 305.50(a)(7)   | Yes | No | Appendix V.K.i through Appendix V.K.ii, Section V         |   |
| 1175 | VI.           | <b>Geology Report</b>   |  |     |    |   |   |
| 1176 | VI.~.         | Submit all geoscience work signed and dated by a licensed professional geoscientist with current Texas registration along with the Registered Geoscience Firm's name and Registration Number                          | Texas Geoscience Practice Act and 22 TAC 851 Subchapter D; 305.50(a)(4)(D); 305.50(a)(6); 305.50(b)(6) | N/A |    | Page VI-1, Section VI                                     |   |
| 1177 | VI.A.         | <b>Geology and Topography</b>   |  |     |    |   |   |
| 1178 | VI.A.1.       | Provide description of active geologic processes:   |  | N/A |    |   |   |
| 1179 | VI.A.1.a.~.   | Submit or address Identification of faults, active potentially active or inactive:  |  | N/A |    |   |   |
| 1180 | VI.A.1.a.~.a. | Holocene sediments or man-made structures have been displaced   |  | N/A |    |   |   |

|      |              |  |                                      |     |  |  |  |
|------|--------------|--|--------------------------------------|-----|--|--|--|
| 1181 | VI.A.1.a.~b. | Describe techniques used to identify faults  |                                      | N/A |  |  |  |
| 1182 | VI.A.1.a.~c. | Zones of significant surface deformation   |                                      | N/A |  |  |  |
| 1183 | VI.A.1.a.~d. | Effects of active faults on potential for waste migration  |                                      | N/A |  |  |  |
| 1184 | VI.A.1.a.~e. | Clearance from active fault to ensure liners will not be disrupted   |                                      | N/A |  |  |  |
| 1185 | VI.A.1.a.    | For capacity expansion of an existing hazardous waste (HW) facility, submit or address:  | 305.50(a)(4)(D);<br>305.50(a)(10)(E) | N/A |  |  |  |
| 1186 | VI.A.1.a.1.  | Geologic literature review (should include maps of surface faults, subsurface structure maps, field investigations, etc.)  |                                      | N/A |  |  |  |
| 1187 | VI.A.1.a.2.  | Descriptions and maps of faulting, fracturing, and lineations in the area  |                                      | N/A |  |  |  |
| 1188 | VI.A.1.a.3.  | Constructed maps and cross-sections of the area, using surface data i.e., surface faults, gas seeps, linerations, etc. A surface structure map should also be included   |                                      | N/A |  |  |  |
| 1189 | VI.A.1.a.4.  | Minimum of 2 structural X-sections that show geologic units which show Holocene sediments underground sources of drinking water, and lithology, and on a scale to depict the local geology within 3000' of the location. Cross sections should cross at the unit location                                    |                                      | N/A |  |  |  |
| 1190 | VI.A.1.a.5.  | Minimum of 2 structural subsurface maps; one should be made on the shallowest mapable subsurface marker, the other made on a deeper horizon  |                                      | N/A |  |  |  |
| 1191 | VI.A.1.a.6.  | Field surveillance; to check for potential faults/lineations indicated by aerial photos, topographic maps, seismic/subsurface maps, etc.   |                                      | N/A |  |  |  |
| 1192 | VI.A.1.a.7.  | Any additional information in defining the geology of the area, such as seismic data, isopachs, potentiometric surface maps, etc.  |                                      | N/A |  |  |  |
| 1193 | VI.A.1.a.8.  | Demonstration that a fault within 3000 ft. of location has not had displacement with Holocene times. If such a fault exists, cannot pass within 200 feet of surface unit   |                                      | N/A |  |  |  |
| 1194 | VI.A.1.a.9.  | If fault that has been active within Holocene and is located within 3000 ft., it must be demonstrated that: the fault is not transmissive and will not allow groundwater movement; and that there is no potential for subsidence that may endanger the stability of the surface unit                         |                                      | N/A |  |  |  |
| 1195 | VI.A.1.b.    | A discussion of the extent of land surface subsidence in the vicinity of the facility including total recorded subsidence and past and projected rates subsidence. For facilities at low elevations along the coast, address the rates of subsidence and potential for future submergence beneath Gulf water |                                      | N/A |  |  |  |
| 1196 | VI.A.1.c.    | Provide a discussion to which the facility is subject to erosion such as over-land flow, channeling, gullying, other fluvial processes, and shoreline erosion  |                                      | N/A |  |  |  |
| 1197 | VI.A.1.d.    | Complete and submit Table VI.A.1 - Major Geologic Formations in hard copy and editable electronic format   |                                      | N/A |  |  |  |
| 1198 | VI.A.2.      | Provide a description as applicable of Regional Physiography and Topography (applicable for land base units, except waste piles exempt from GW monitoring requirements, and tanks which require contingent post-closure plan):   |                                      | N/A |  |  |  |
| 1199 | VI.A.2.a.    | Distance and direction to nearest surface water body   |                                      | N/A |  |  |  |
| 1200 | VI.A.2.b.    | Slope of land surface  |                                      | N/A |  |  |  |
| 1201 | VI.A.2.c.    | Direction of slope   |                                      | N/A |  |  |  |
| 1202 | VI.A.2.d.    | Maximum elevation of facility  |                                      | N/A |  |  |  |
| 1203 | VI.A.2.e.    | Minimum elevation of facility  |                                      | N/A |  |  |  |

|      |               |  |  |     |  |  |  |
|------|---------------|--|--|-----|--|--|--|
| 1204 | VI.A.3.       | Provide a description as applicable of Regional Geology (applicable for land base units, except waste piles exempt from GW monitoring requirements, and tanks which require contingent post-closure plan). Description of the regional geology of the area should include: |  | N/A |  |  |  |
| 1205 | VI.A.3.a.     | A geologic map with text describing stratigraphic and lithologic properties  |  | N/A |  |  |  |
| 1206 | VI.A.3.b.     | A description of generalized stratigraphic column from the base of lowermost groundwater to surface (at least 1,000 ft.) The description for each geologic unit should include:  |  | N/A |  |  |  |
| 1207 | VI.A.3.b.1.   | Geologic age   |  | N/A |  |  |  |
| 1208 | VI.A.3.b.2.   | Lithology  |  | N/A |  |  |  |
| 1209 | VI.A.3.b.3.   | Thickness  |  | N/A |  |  |  |
| 1210 | VI.A.3.b.4.   | Depth  |  | N/A |  |  |  |
| 1211 | VI.A.3.b.5.   | Geometry   |  | N/A |  |  |  |
| 1212 | VI.A.3.b.6.   | Hydraulic conductivity   |  | N/A |  |  |  |
| 1213 | VI.A.3.b.7.   | Depositional history   |  | N/A |  |  |  |
| 1214 | VI.A.4.       | Provide results of Subsurface Soils Investigation Report:  |  | N/A |  |  |  |
| 1215 | VI.A.4.a.     | Borings and boring logs:   |  | N/A |  |  |  |
| 1216 | VI.A.4.a.1.   | Completed using established exploration methods  |  | N/A |  |  |  |
| 1217 | VI.A.4.a.2.   | Investigative procedures discussed in report:  |  | N/A |  |  |  |
| 1218 | VI.A.4.a.2.a. | Sufficient number of borings to establish stratigraphy and assess potential pathways of pollution migration  |  | N/A |  |  |  |
| 1219 | VI.A.4.a.2.b. | Identify uppermost and underlying hydraulically interconnected aquifers  |  | N/A |  |  |  |
| 1220 | VI.A.4.a.2.c. | Borings should penetrate through the uppermost aquifer and deep enough to identify lower aquiclude   |  | N/A |  |  |  |
| 1221 | VI.A.4.a.2.d. | Borings must be completed to depth of at least 30 ft. below the deepest unit excavation  |  | N/A |  |  |  |
| 1222 | VI.A.4.a.2.e. | Detailed description of stratigraphic complexities, i.e. slickensides, pinch outs, fractures, etc.   |  | N/A |  |  |  |
| 1223 | VI.A.4.a.2.f. | Whenever possible, electric logs should run on each borehole   |  | N/A |  |  |  |
| 1224 | VI.A.4.a.2.g. | Hollow stem auger test run where determination of initial water level is important   |  | N/A |  |  |  |
| 1225 | VI.A.4.a.2.h. | Key on boring log giving description of soil type and its consistency and structure  |  | N/A |  |  |  |
| 1226 | VI.A.4.b.     | Provide minimum of two cross-sectional drawings prepared from the borings depicting the generalized soil strata at the site  |  | N/A |  |  |  |
| 1227 | VI.A.4.c.     | Provide a text which describes investigator's interpretations of subsurface stratigraphy based on field investigation  |  | N/A |  |  |  |
| 1228 | VI.A.4.d.     | Complete and submit Table VI.A.4 - Waste Management Area Subsurface Conditions in hard copy and editable electronic format. The report should address:   |  | N/A |  |  |  |
| 1229 | VI.A.4.d.1.   | Laboratory /field tests  |  | N/A |  |  |  |
| 1230 | VI.A.4.d.2.   | Test procedures  |  | N/A |  |  |  |
| 1231 | VI.A.4.d.3.   | Major strata encountered characterized by  |  | N/A |  |  |  |
| 1232 | VI.A.4.d.3.a. | Unified soil classification  |  | N/A |  |  |  |
| 1233 | VI.A.4.d.3.b. | Moisture content   |  | N/A |  |  |  |
| 1234 | VI.A.4.d.3.c. | % less than #200 sieve   |  | N/A |  |  |  |



|      |               |  |  |     |    |                             |  |
|------|---------------|--|--|-----|----|-----------------------------|--|
| 1235 | VI.A.4.d.3.d. | Atterberg limits   |  | N/A |    |                             |  |
| 1236 | VI.A.4.d.3.e. | Coefficient of permeability  |  | N/A |    |                             |  |
| 1237 | VI.A.4.d.4.   | Field permeability tests for sand and silt units to supplement laboratory tests  |  | N/A |    |                             |  |
| 1238 | VI.A.4.d.5.   | Particle size distribution and relative density based on penetration resistance (for coarse-grained soils)   |  | N/A |    |                             |  |
| 1239 | VI.A.4.d.6.   | For fine-grained soils: cohesive shear strength based on penetrometer of unconfined compression tests, dry unit weight, and degree of saturation   |  | N/A |    |                             |  |
| 1240 | VI.A.4.e.     | For land treatment units, provide a description including the following:   |  | N/A |    |                             |  |
| 1241 | VI.A.4.e.1.   | Name and description of soil series  |  | N/A |    |                             |  |
| 1242 | VI.A.4.e.2.   | Physical properties of the series (i.e., depth, permeability, water capacity, soil ph, erosion factors)  |  | N/A |    |                             |  |
| 1243 | VI.A.4.e.3.   | Engineering properties and classifications i.e., USDA Texture, Unified Soil classification, size gradation, Atterberg limits   |  | N/A |    |                             |  |
| 1244 | VI.A.4.e.4.   | Cation exchange capacity (CEC) of soils in meq/100g  |  | N/A |    |                             |  |
| 1245 | VI.A.4.f.     | Submit an aerial photograph of soil series on land treatment area; if not available, a soil series map   |  | N/A |    |                             |  |
| 1359 | VII.          | <b>Closure and Post-Closure Plans</b>  |  |     |    |                             |  |
| 1360 | VII.~.        | Submit a closure plan and/or post-closure plan, as applicable, including the following information:  | 270.14(b)(13); 264 Subpart G.; Chapter 350 | Yes | No | Page VII.A-1, Section VII   |  |
| 1361 | VII.~.1.      | Certification of deed recordation of waste disposal activities shall be provided for closure of facilities with wastes in place  | 335.5                                      | N/A |    |                             |  |
| 1362 | VII.~.2.      | Survey plat and notices for land disposal unit closed before application   | 264.116; 264.119                           | N/A |    |                             |  |
| 1363 | VII.~.3.      | Closure Performance Standards describes how closure would: minimize the need for further maintenance; control, minimize, or eliminate post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere; and comply with the closure requirements of Subpart G and unit-specific closure requirements | 264.111                                    | Yes | No | Page VII.A-1, Section VII   |  |
| 1364 | VII.A.        | <b>Closure</b>   |  |     |    |                             |  |
| 1365 | VII.A.1.      | Complete and submit Table VII.A - Unit Closure in hard copy and editable electronic format   |  | Yes | No | Page VII.A.1-1, Section VII |  |
| 1366 | VII.A.2.      | Provide time and activities required for partial and final closure activities including:   | 264.112(b)                                 | Yes | No | Page VII.A.-18, Section VII |  |
| 1367 | VII.A.2.a.    | Description of closure of each unit  | 264.112(b)(1)                              | Yes | No | Page VII.A-1, Section VII   |  |
| 1368 | VII.A.2.b.    | Final closure and maximum extent of operation  | 264.112(b)(2)                              | Yes | No | Appendix VII.A, Section VII |  |
| 1369 | VII.A.2.c.    | Maximum waste inventory over the active life of the facility   | 264.112(b)(3)                              | Yes | No | Appendix VII.A, Section VII |  |
| 1370 | VII.A.2.d.    | Inventory removal, disposal or decontamination of equipment, structures and soils  | 264.112(b)(4)                              | Yes | No | Appendix VII.A, Section VII |  |
| 1371 | VII.A.2.e.    | Detailed description of other activities during closure (i.e. ground-water monitoring, leachate collection, and run-on and run-off control)  | 264.112(b)(5)                              | Yes | No | Appendix VII.A, Section VII |  |
| 1372 | VII.A.2.f.    | Schedule for closure of each unit and for final closure of the facility  | 264.112(b)(6)                              | Yes | No | Appendix VII.A, Section VII |  |



|      |               |   |                                      |     |    |                             |  |
|------|---------------|---|--------------------------------------|-----|----|-----------------------------|--|
| 1373 | VII.A.2.g.    | Estimate of expected year of final closure  | 264.112(b)(7)                        | N/A |    |                             |  |
| 1374 | VII.A.3.      | Certification of Closure: Submit a certification to TCEQ IHW Section which indicates that within 60 days of completion of closure of each hazardous waste surface impoundment, waste pile, land treatment, and landfill unit, and within 60 days of the completion of final closure, that a Certification of Closure and report must be submitted to TCEQ IHW Section for review. | 264.115                              | Yes | No | Appendix VII.A, Section VII |  |
| 1375 | VII.A.4.      | Closure of Containers: plan must ensure that:   | 264.178                              | Yes | No | Page VII.A-7, Section VII   |  |
| 1376 | VII.A.4.a.    | All wastes and waste residues must be removed from containment system   | 264.178                              | Yes | No | Page VII.A-7, Section VII   |  |
| 1377 | VII.A.4.b.    | Containers, liner, bases, and soil containing or contaminated with HW or residues must be decontaminated removed at closure   | 264.178; 350.32 Remedy Standard A    | Yes | No | Page VII.A-7, Section VII   |  |
| 1378 | VII.A.5.      | Closure of Tank Systems: plan must ensure that closure will:  | 264.197                              | Yes | No | Page VII.A-12, Section VII  |  |
| 1379 | VII.A.5.a.    | Remove or decontaminate all waste residues, contaminated containment system components (liners, etc.), contaminated soils, structures and equipment contaminated with waste   | 264.197(a); 350.32 Remedy Standard A | Yes | No | Page VII.A-12, Section VII  |  |
| 1380 | VII.A.5.b.    | If not all contaminated soils can be practically removed, perform closure and post-closure as a landfill per 264.310 and 350.33 Remedy Standard B   | 264.197(b)                           | N/A |    |                             |  |
| 1381 | VII.A.5.c.    | A contingent closure and post-closure plan for closure as a landfill if tank system does not have satisfactory secondary containment per 264.193(b-f) and not granted variance for the secondary containment system per 264.193(g), the plan must include:  | 264.197(c); 350.33 Remedy Standard B | N/A |    |                             |  |
| 1382 | VII.A.5.c.1.  | Requirements under 264.197(a-b)   | 264.197(c)(1)                        | N/A |    |                             |  |
| 1383 | VII.A.5.c.2.  | Contingent post-closure care plan   | 264.197(c)(2)                        | N/A |    |                             |  |
| 1384 | VII.A.5.c.3.  | Cost estimates for closure and post-closure care and contingent closure and post-closure plan   | 264.197(c)(3)                        | Yes | No | Page VII.B.1-1, Section VII |  |
| 1385 | VII.A.5.c.4.  | Financial assurance based on 264.197(c)(3)  | 264.197(c)(4)                        | N/A |    |                             |  |
| 1386 | VII.A.5.c.5.  | Must meet all financial responsibility requirements for landfills under 264, Subparts G and H   | 264.197(c)(5)                        | N/A |    |                             |  |
| 1433 | VII.A.12.     | Closure of Miscellaneous Units:   | 335.152(a)(5)                        | Yes | No | Page VII.A-15, Section VII  |  |
| 1434 | VII.A.12.a.   | Closure plan must show that all hazardous waste and hazardous waste residues will be removed and decontaminated from the treatment process or discharge equipment process and discharge equipment structures  | 350.32 Remedy Standard A             | Yes | No | Page VII.A-15, Section VII  |  |
| 1435 | VII.A.12.b.   | If any wastes, waste residues or contaminated materials or soils will remain after closure, provide plans for closing the miscellaneous unit as a landfill in accordance with 264.310 and 350.33 Remedy Standard B that:  | 350.33 Remedy Standard B.            | N/A |    |                             |  |
| 1436 | VII.A.12.b.1. | Minimizes need for further maintenance  | 264.111(a)                           | N/A |    |                             |  |
| 1437 | VII.A.12.b.2. | Provides protection of human health and the environment, prevents escape of hazardous waste, constituents, leachate, contaminated runoff, or hazardous waste decomposition products to the ground or surface waters or atmosphere   | 264.111(b)                           | N/A |    |                             |  |
| 1438 | VII.A.12.b.3. | Complies with any applicable requirements of 264.178, 264.197, 264.228, 264.258, 264.280, 264.310, 264.351, 264.601-603, and 264.1102   | 264.111(c)                           | N/A |    |                             |  |

|      |               |  |   |     |    |                               |  |
|------|---------------|--|---|-----|----|-------------------------------|--|
| 1444 | VII.B.        | <b>Closure Cost Estimate (including contingent closure)</b>  | TCEQ Technical Guidance No.10; 335.178; 264.142 |     |    |                               |  |
| 1445 | VII.B.~.a.    | Provide detailed cost estimate of closing the facility   |   | Yes | No | VII.B.1-1, Section VII        |  |
| 1446 | VII.B.~.b.    | Provide cost of closure at the most expensive point in the facilities operating life   | 264.142(a)(1)                                   | Yes | No | VII.B.1-1, Section VII        |  |
| 1447 | VII.B.1.      | If closure costs based on contractor bids; provide a copy of the bid specification and each contractor's response  |   | N/A |    |                               |  |
| 1448 | VII.B.2.      | Complete and submit Table VII.B - Unit Closure Cost Estimate in hard copy and editable electronic format Closure costs based on detailed analysis: cost of each item, equipment, third party labor and supervision, transportation, and analytical costs, etc. |   | Yes | No | VII.B.1-1, Section VII        |  |
| 1449 | VII.B.3.      | Provide closure costs based on off-site shipment and disposal, including:  | 335.178   | Yes | No | VII.B.1-1, Section VII        |  |
| 1450 | VII.B.3.a.    | Maximum inventory of wastes  | 335.178(1)                                      | Yes | No | VII.B.1-1, Section VII        |  |
| 1451 | VII.B.3.b.    | Wastes generated during closure  | 335.178(2)                                      | Yes | No | VII.B.1-1, Section VII        |  |
| 1452 | VII.B.3.c.    | Contaminated storm water   | 335.178(3)                                      | Yes | No | VII.B.1-1, Section VII        |  |
| 1453 | VII.B.3.d.    | Leachate   | 335.178(4)                                      | Yes | No | VII.B.1-1, Section VII        |  |
| 1454 | VII.B.4.      | Provide cost for closure under contingent closure plan required for each surface impoundments, waste pile or tank system   |   | Yes | No | VII.B.1-1, Section VII        |  |
| 1477 | VII.C.1.j.    | Additional Post-closure for Miscellaneous Units  | 270.14(b)(13)                                   | Yes | No | VII.B.1-1, Section VII        |  |
| 1489 | VII.E.        | <b>Closure and Post-closure Cost Summary</b>   |   |     |    |                               |  |
| 1490 | VII.E.1.      | Complete and submit Table VII.E.1. - Permitted Unit Closure Cost Summary in hard copy and editable electronic format   |   | Yes | No | Page VII.E.1-1, Section VII   |  |
| 1491 | VII.E.2.      | Complete and Submit Table VII.E.2. - Permitted Unit Post-Closure Cost Summary in hard copy and editable electronic format  |   | N/A |    | Page VII.E.2-1, Section VII   |  |
| 1492 | VIII.         | <b>Financial Assurance</b>   |   |     |    |                               |  |
| 1493 | VIII.~.1.     | Submit copies of the Financial Assurance Information to the Revenue Operation Section, Financial Administration Division, and in the Part B permit application.  |   | Yes | No | Page VIII-1, Section VIII     |  |
| 1494 | VIII.~.2.     | Ensure an authorized signatory has signed the financial assurance documents and included the certification statement   | 305.44  | Yes | No | Page VIII.B.1-1, Section VIII |  |
| 1495 | VIII.A.       | <b>Financial Assurance Information Requirements for all Applicants:</b>  | 335.179   |     |    |                               |  |
| 1496 | VIII.A.~.     | Provide statement to demonstrate that the applicant has sufficient financial resources to operate and close the facility; and information concerning how they intend to obtain financing for construction  | 305.50(a)(4)                                    | Yes | No | Page VIII.B.1-1, Section VIII |  |
| 1497 | VIII.A.1.     | FINANCIAL ASSURANCE FOR CLOSURE  | 30 TAC Chapter 37 Subchapter P; 264.143         |     |    |                               |  |
| 1498 | VIII.A.1.a.   | Submit any of the following financial assurance mechanisms:  |   | Yes | No | Page VIII.A.1-1, Section VIII |  |
| 1499 | VIII.A.1.a.1. | Closure trust fund   | 37.6021(b)(1); 264.143(a)                       | N/A |    |                               |  |

|      |               |   |  |     |     |                                  |  |
|------|---------------|---|--|-----|-----|----------------------------------|--|
| 1500 | VIII.A.1.a.2. | Surety bond guaranteeing payment into closure trust fund                      | 37.6021(b)(2); 264.143(b)                  | N/A |     |                                  |  |
| 1501 | VIII.A.1.a.3. | Surety bond guaranteeing performance of closure                               | 37.6021(b)(3); 264.143(c)                  | N/A |     |                                  |  |
| 1502 | VIII.A.1.a.4. | Irrevocable letter of credit  | 37.6021(b)(4); 264.143(d)                  | N/A |     |                                  |  |
| 1503 | VIII.A.1.a.5. | Closure insurance   | 37.6021(b)(5); 264.143(e)                  | Yes | Yes | Page VIII.A.1-1,<br>Section VIII |  |
| 1504 | VIII.A.1.a.6. | Financial test and corporate guarantee for closure                            | 37.6021(b)(6-7); 264.143(f)                | N/A |     |                                  |  |
| 1505 | VIII.A.1.a.7. | Use of multiple financial mechanisms  | 264.143(g)                                 | N/A |     |                                  |  |
| 1506 | VIII.A.1.a.8. | Use of financial mechanism for multiple facilities                            | 37.51 264.143(h)                           | N/A |     |                                  |  |
| 1507 | VIII.A.2.     | FINANCIAL ASSURANCE FOR POST-CLOSURE CARE                                     | 30 TAC Chapter 37<br>Subchapter P; 264.145 |     |     |                                  |  |
| 1508 | VIII.A.2.a.   | Submit any of the following financial assurance mechanisms:                   |  | N/A |     |                                  |  |
| 1509 | VIII.A.2.a.1. | Post-closure trust fund   | 37.6021(b)(1); 264.145(a)                  | N/A |     |                                  |  |
| 1510 | VIII.A.2.a.2. | Surety bond guaranteeing payment into post-closure fund                       | 37.6021(b)(2); 264.145(b)                  | N/A |     |                                  |  |
| 1511 | VIII.A.2.a.3. | Surety bond guaranteeing performance of post-closure care                     | 37.6021(b)(3); 264.145(c)                  | N/A |     |                                  |  |
| 1512 | VIII.A.2.a.4. | Post-closure letter of credit   | 37.6021(b)(4); 264.145(d)                  | N/A |     |                                  |  |
| 1513 | VIII.A.2.a.5. | Post-closure insurance  | 37.6021(b)(5); 264.145(e)                  | N/A |     |                                  |  |
| 1514 | VIII.A.2.a.6. | Financial test and corporate guarantee for post-closure                       | 37.6021(b)(6-7); 264.145(f)                | N/A |     |                                  |  |
| 1515 | VIII.A.2.a.7. | Use of multiple financial mechanisms  | 264.145(g)                                 | N/A |     |                                  |  |
| 1516 | VIII.A.2.a.8. | Use of financial mechanism for multiple facilities                            | 37.51; 264.145(h)                          | N/A |     |                                  |  |
| 1517 | VIII.A.3.     | FINANCIAL ASSURANCE FOR CORRECTIVE ACTION                                     | 30 TAC Chapter 37<br>Subchapter P          |     |     |                                  |  |
| 1518 | VIII.A.3.a.   | Submit any of the following financial assurance mechanisms:                   |  | Yes | No  | Page VIII.A.1-1,<br>Section VIII |  |
| 1519 | VIII.A.3.a.1. | Corrective action trust fund  | 37.6021(b)(1)                              | N/A |     |                                  |  |
| 1520 | VIII.A.3.a.2. | Surety bond guaranteeing payment into corrective action fund                  | 37.6021(b)(2)                              | N/A |     |                                  |  |
| 1521 | VIII.A.3.a.3. | Corrective action letter of credit  | 37.6021(b)(4)                              | N/A |     |                                  |  |
| 1522 | VIII.A.3.a.4. | Corrective action insurance;  | 37.6021(b)(5)                              | Yes | No  | Page VIII.A.1-1,<br>Section VIII |  |
| 1523 | VIII.A.3.a.5. | Financial test and corporate guarantee for corrective action                  | 37.6021(b)(6-7)                            | N/A |     |                                  |  |
| 1524 | VIII.A.3.a.6. | Use of financial mechanism of for multiple facilities                         | 37.51                                      | N/A |     |                                  |  |
| 1525 | VIII.A.4.     | LIABILITY REQUIREMENTS: (Not required for post-closure care) if applicable:   | 30 TAC Chapter 37<br>Subchapter P; 264.147 |     |     |                                  |  |
| 1526 | VIII.A.4.a.   | Coverage for sudden accidental occurrences (required)                         | 37.6031(b); 264.147(a)                     | Yes | No  | Page VIII.A.1-1,<br>Section VIII |  |
| 1527 | VIII.A.4.b.   | Coverage for non-sudden accidental occurrences (required of land-based units) | 37.6031(c); 264.147(b)                     | Yes | No  | Page VIII.A.1-1,<br>Section VIII |  |
| 1528 | VIII.A.4.c.   | Requests for variance   | 264.147(c)                                 | N/A |     |                                  |  |
| 1529 | VIII.A.4.d.   | Adjustments by the Regional Administrator                                     | 37.411; 264.147(d)                         | N/A |     |                                  |  |
| 1530 | VIII.A.4.e.   | Period of coverage  | 264.147(e)                                 | Yes | No  | Page VIII.A.1-1,<br>Section VIII |  |
| 1531 | VIII.A.4.f.   | Financial test  | 37.541; 264.147(f)                         | N/A |     |                                  |  |
| 1532 | VIII.A.4.g.   | Guarantee for liability coverage  | 37.551; 264.147(g)                         | N/A |     |                                  |  |
| 1533 | VIII.A.4.h.   | Letter of credit  | 37.521; 264.147(h)                         | N/A |     |                                  |  |
| 1534 | VIII.A.4.i.   | Surety bond   | 37.511; 264.147(i)                         | N/A |     |                                  |  |
| 1535 | VIII.A.4.j.   | Trust fund  | 37.501; 264.147(j)                         | N/A |     |                                  |  |

|      |             |  |  |     |    |                               |                                  |
|------|-------------|--|--|-----|----|-------------------------------|----------------------------------|
| 1536 | VIII.A.4.k. | Endorsement or Certification: Submit the original Hazardous Waste Facility Endorsement wording pursuant to 264.151(i)(3), or Certificate of Liability wording pursuant to 264.151(j)(4)                  | 30 TAC Chapter 37 Subchapter D; 264.147(k) | Yes | No | Page VIII.A.1-1, Section VIII |                                  |
| 1537 | VIII.B.     | <b>Applicant Financial Disclosure Statements for a new permit, permit amendment, permit modification, or permit renewal</b>  | 305.50(a)(4)                               |     |    |                               |                                  |
| 1538 | VIII.B.~.   | Refer to the "Supplemental Technical Information Applications Subject to Financial Capabilities Requirements" included in the Part B Application Section VIII.B.   |  |     |    |                               |                                  |
| 1539 | VIII.B.1.   | Provide the information required by 30 TAC 305.50(a)(4)  |  | Yes | No | Page VIII.B.2-1, Section VIII |                                  |
| 1540 | VIII.B.2.   | Complete and submit Table VIII.B. - Estimated Capital Cost in hard copy and electronically (editable) as represented (Applicable only if facility is requesting capacity expansion, or new construction) |  | N/A |    | Page VIII.B-1, Section VIII   |                                  |
| 1542 | VIII.B.4.   | For renewal application with no capacity expansion, complete and submit the Financial Disclosure Letter  |  | Yes | No | Page VIII.B.1-1, Section VIII |                                  |
| 1543 | IX.         | <b>Releases from Solid Waste Management Units and Corrective Action</b>  |  |     |    |                               |                                  |
| 1544 | IX.~.       | Provide status of Corrective Action  |  | N/A |    |                               |                                  |
| 1545 | IX.A.       | <b>Complete applicable sections of Preliminary Review Facility Checklist</b>   | 335.166-167                                | Yes | No | Page IX-16, Section IX        |                                  |
| 1546 | IX.B.       | <b>Provide Appendices to Preliminary Review:</b>   |  | Yes | No | Page IX-16, Section IX        |                                  |
| 1547 | IX.B.1.     | Appendix I , Facility and SWMU location maps:  |  | Yes | No | Page IX-36, Section IX        |                                  |
| 1548 | IX.B.1.a.   | Regional location map  |  | Yes | No | Page IX-36, Section IX        | See map: Regional Facility Map   |
| 1549 | IX.B.1.b.   | Site location map  |  | Yes | No | Page IX-36, Section IX        | See map: Facility SWMU Locations |
| 1550 | IX.B.2.     | Appendix II, Wastes Managed:   |  | Yes | No | Page IX-6, Section IX         |                                  |
| 1551 | IX.B.2.a.   | List of wastes managed   |  | Yes | No | Page IX-6, Section IX         |                                  |
| 1552 | IX.B.2.b.   | 40 CFR 261, Appendix VIII hazardous constituents   |  | Yes | No | Page IX-6, Section IX         |                                  |
| 1553 | IX.B.2.c.   | 40 CFR 261, Appendix IX hazardous constituents   |  | Yes | No | Page IX-6, Section IX         |                                  |
| 1554 | IX.B.3.     | Appendix III, Evidence of Release:   |  | Yes | No | Page IX-9, Section IX         |                                  |
| 1555 | IX.B.3.a.   | Documentation of release   |  | Yes | No | Page IX-9, Section IX         |                                  |
| 1556 | IX.B.3.b.   | Map of release locations, SWMU identification and paths traveled   |  | N/A |    |                               |                                  |
| 1557 | IX.B.4.     | Appendix IV, Pollutant Dispersal Pathways:   |  | Yes | No | Page IX-12, Section IX        |                                  |
| 1558 | IX.B.4.a.   | Facility, local and regional map identifying eventual pathways of release from unit  |  | N/A |    |                               |                                  |
| 1559 | IX.B.4.b.   | Facility cross-section, vertical pathways and lateral movements in groundwater   |  | N/A |    |                               |                                  |

|      |            |  |  |     |    |                           |
|------|------------|--|--|-----|----|---------------------------|
| 1560 | IX.C.      | <b>Preliminary review submittal format. Ensure Preliminary review is bound with a cover page and contains a Table of Contents, etc.</b>  |  | Yes | No | Page IX-16, Section IX    |
| 1561 | X.         | <b>Air Emissions Standards</b>   |  |     |    |                           |
| 1562 | X.A.       | <b>Provide a report on Process Vents, if applicable:</b>   | 335.152(a)(17); 264 subpart AA; 270.24 | N/A |    |                           |
| 1563 | X.A.1.     | Complete and submit Table X.A. - Process Vents in hard copy and editable electronic format   |  | N/A |    |                           |
| 1564 | X.A.2.     | Submit the certification for organic emissions, signed and dated   |  | N/A |    |                           |
| 1565 | X.B.       | <b>Provide a report on Equipment Leaks, if applicable:</b>   | 335.152(a)(18); 264 subpart BB; 270.25 | N/A |    |                           |
| 1566 | X.B.1.     | Complete and submit Table X.B. - Equipment Leaks in hard copy and editable electronic format   |  | N/A |    |                           |
| 1567 | X.B.2.     | Submit the certification for equipment, signed and dated   |  | N/A |    |                           |
| 1568 | X.C.       | <b>Provide a report on Tanks, Surface Impoundments and Containers, if applicable:</b>  | 335.152(a)(19); 264 subpart CC; 270.27 | Yes | No | Page X-2, Section X       |
| 1569 | X.C.1.     | Complete and submit Table X.C. - Tanks, Surface Impoundments, and Containers Subject to Air Emission Controls in hard copy and editable electronic format  |  | Yes | No | Page X.C-1, Section X     |
| 1570 | X.C.2.     | Complete submit the Floating Roof Cover certification, signed and dated, for Tanks   |  | N/A |    |                           |
| 1571 | X.C.3.     | Complete and submit the Floating Membrane Cover certification, signed and dated, for Surface Impoundments  |  | N/A |    |                           |
| 1572 | X.C.4.     | Complete and submit the Container certification, signed and dated  |  | Yes | No | Page X-5, Section X       |
| 1573 | X.C.5.     | Complete and submit the Control Device certification, signed and dated   |  | N/A |    |                           |
| 1591 | XI.~.      | If a compliance plan is required, follow the application instructions contained in Section XI-Compliance Plan of the Part B Application Form to complete and submit with the rest of the application. If possible, use a separate binder for Section XI materials. Your Section XI submittal will be forwarded to the Corrective Action Program, Remediation Division for review upon receipt. |  |     |    |                           |
| 1592 | XII.       | <b>Hazardous Waste Permit Application Fee</b>  |  |     |    |                           |
| 1593 | XII.~.     | Complete and submit Table XII.A. - Hazardous Waste Units (for application fee calculations) and Table XII.B. - Hazardous Waste Application Fee Worksheet in hard copy and editable electronic format   |  | Yes | No | Page XII.A-1, Section XII |
| 1594 | XII.A.     | <b>Minimum permit application fee for new permit or renewal is \$2,000. Calculate the maximum according to the following:</b>  | 305.53(a)(1)                           | Yes | No | Page XII.B-1, Section XII |
| 1595 | XII.A.1.   | Process analysis fee: \$1,000  | 305.53(a)(2)(B)                        | Yes | No | Page XII.B-1, Section XII |
| 1596 | XII.A.2.   | Management/Facility Analysis: \$500  | 305.53(a)(2)(D)                        | Yes | No | Page XII.B-1, Section XII |
| 1597 | XII.A.3.   | Facility Unit Analysis: \$500 per unit:  | 305.53(a)(2)(C)                        | Yes | No | Page XII.B-1, Section XII |
| 1598 | XII.A.3.a. | Each non-identical cell of landfill: \$500   | 305.53(a)(3)                           | N/A |    |                           |
| 1599 | XII.A.3.b. | Each non-identical CSA or tank: \$500  | 305.53(a)(3)                           | Yes | No | Page XII.B-1, Section XII |
| 1600 | XII.A.3.c. | Identical is defined as: made of same material & design; capacity within + 10%; stores the same waste; and have same storage management characteristics  | 305.53(a)(3)                           | N/A |    |                           |

|  |            |   |                 |     |    |                           |   |
|--|------------|---|-----------------|-----|----|---------------------------|---|
| 1601   | XII.A.4.   | Site evaluation fee of \$100 per acre (maximum of 300 acres)  | 305.53(a)(2)(A) | Yes | No | Page XII.B-1, Section XII |   |
| 1602   | XII.A.5.a. | Initial application fee for notice: \$50  | 305.53(b)       | Yes | No | Page XII.B-1, Section XII |   |
| 1603   | XII.A.5.b. | Renewal notice fee: \$15  | 305.53(b)       | Yes | No | Page XII.B-1, Section XII |   |
| 1604   | XII.B.     | <b>Calculate the application fee for major amendment, Class 2 or Class 3 permit modification for operation, closure, or post-closure, according to the following:</b>   |                 | N/A |    |                           |   |
| 1605   | XII.B.1.   | Management fee: \$500   |                 | N/A |    |                           |   |
| 1606   | XII.B.2.   | Notice fee: \$50  |                 | N/A |    |                           |   |
| 1607   | XII.B.3.   | Unit added or unit area expanded: \$100 per acre up to 300 acres  |                 | N/A |    |                           |   |
| 1608   | XII.B.4.   | \$1000 process analysis fee if one or more of the following are added or revised:   |                 | N/A |    |                           |   |
| 1609   | XII.B.4.a. | Waste analysis plan   |                 | N/A |    |                           |   |
| 1610   | XII.B.4.b. | Site-specific or regional geology report  |                 | N/A |    |                           |   |
| 1611   | XII.B.4.c. | Site-specific or regional hydrogeologic report  |                 | N/A |    |                           |   |
| 1612   | XII.B.4.d. | Groundwater/unsaturated zone monitoring report  |                 | N/A |    |                           |   |
| 1613   | XII.B.4.e. | Closure/Post-Closure Plan   |                 | N/A |    |                           |   |
| 1614   | XII.B.4.f. | RFI or corrective action reports  |                 | N/A |    |                           |   |
| 1615   | XII.B.5.   | \$500 unit analysis fee if any of the following are requested:  |                 | N/A |    |                           |   |
| 1616   | XII.B.5.a. | Unit is added   |                 | N/A |    |                           |   |
| 1617   | XII.B.5.b. | Design change to an existing unit   |                 | N/A |    |                           |   |
| 1618   | XII.B.5.c. | Unit status change from closure to post-closure care  |                 | N/A |    |                           |   |
| 1619   | XII.C.     | <b>For a minor amendment, Class 1 or Class 1-1 permit modification, provide: \$100 plus a \$50 notice fee</b>   |                 | Yes | No | Provide Location          |   |
| 1620   | XIII.      | <b>Confidential Materials</b>   |                 |     |    |                           |   |
| 1621   | XIII.A.    | If any confidential information given in Sections I through X of the application, place information in a separate collective document labeled "CONFIDENTIAL"  |                 | N/A |    |                           |   |
| <b>Items below are not applicable to your application.</b> |            |   |                 |     |    |                           |   |
| 32   | I.E.6.     | For a new commercial HW management facility or an areal expansion of an existing commercial HW management facility, indicate whether the facility is within 1/2 mi. of an established residence, church, school, day care, etc.; If yes, TCEQ will not issue a permit for this facility   | 335.205(a)(2-5) |     |    |                           | Please provide an answer in the Submitted column! |
| 56   | II.B.      | <b>Additional requirements for land treatment facilities.</b>   | 335.204(b)      |     |    |                           |   |
| 57   | II.B.1.    | Indicate whether the land treatment facility located or proposed to be located is within 1000 ft. of an established residence, church, school, daycare center, etc.; If yes, TCEQ will not issue a permit for a new HW land treatment unit or areal expansion for an existing land treatment unit per 335.204(b)(6) and 335. 205(a) | 335.204(b)(6)   |     |    |                           | Please provide an answer in the Submitted column! |
| 58   | II.B.2.a.  | Indicate whether the land treatment facility located or proposed to be located is within 1000 ft. of an area subject to coastal shoreline erosion which is protected by a barrier island or peninsula; If yes, Section V.F must include information to address the adverse effects  | 335.204(b)(9)   |     |    |                           | Please provide an answer in the Submitted column! |
| 59   | II.B.2.b.  | Indicate whether the land treatment facility located or proposed to be located is within 5000 ft. of an area subject to coastal shoreline erosion which is unprotected by a barrier island or peninsula; If yes, Section V.F must include information to address the adverse effects  | 335.204(b)(9)   |     |    |                           | Please provide an answer in the Submitted column! |

|    |           |   |                |  |  |  |  |   |
|----|-----------|---|----------------|--|--|--|--|---|
| 60 | II.B.3.   | Indicate whether the land treatment facility located or proposed to be located is on a barrier island or peninsula; If yes, permit will not be issued for a new HW land treatment unit or an areal expansion of an existing land treatment unit per 335.204(b)(11) and 335. 205(a)(1)         | 335.204(b)(11) |  |  |  |  | Please provide an answer in the Submitted column! |
| 61 | II.C.     | <b>Additional requirements for Waste Piles</b>  | 335.204(c)     |  |  |  |  |   |
| 62 | II.C.1.a. | Indicate whether the waste pile is located or proposed to be located within 1000 ft. of an area subject to active coastal shoreline erosion which is protected by a barrier island or peninsula; If yes, Section V.E must include information to address the adverse effects                  | 335.204(c)(8)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 63 | II.C.1.b. | Indicate whether the waste pile is located or proposed to be located within 5000 ft. of an area subject to active coastal shoreline erosion which is unprotected by a barrier island or peninsula; If yes, Section V.E must include information to address the adverse effects                | 335.204(c)(8)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 64 | II.C.2.   | Indicate whether the waste pile is located or proposed to be located on a barrier island or peninsula; If yes, permit will not be issued for a new HW pile or an areal expansion of an existing waste pile  | 335.204(c)(10) |  |  |  |  | Please provide an answer in the Submitted column! |
| 65 | II.D.     | <b>Additional requirements for storage surface impoundments:</b>  | 335.204(d)     |  |  |  |  |   |
| 66 | II.D.1.a. | Indicate whether the storage surface impoundment is located or proposed to be located within 1000 ft. of an area subject to active coastal shoreline erosion which is protected by a barrier island or peninsula; If yes, Section V.D must include information to address the adverse effects | 335.204(d)(8)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 67 | II.D.1.b. | Indicate whether the storage surface impoundment is located or proposed to be located within 5000 ft. of an area subject to active shoreline erosion unprotected by a barrier island or peninsula; If yes, Section V.D must include information to address the adverse effects                | 335.204(d)(8)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 68 | II.D.2.   | Indicate whether the storage surface impoundment is located or proposed to be located on a barrier island or peninsula; If yes, permit will not be issued for a new HW storage surface impoundment or an areal expansion of an existing surface impoundment                                   | 335.204(d)(10) |  |  |  |  | Please provide an answer in the Submitted column! |
| 69 | II.E.     | <b>Additional requirements of landfills (and surface impoundments closed as landfills with waste in place):</b>   | 335.204(e)     |  |  |  |  |   |
| 70 | II.E.1.   | Indicate whether the landfill is located or proposed to be located within 1000 ft. established residence, school, church, school, daycare center, etc.; If yes, permit will not be issued for a new HW landfill unit or an areal expansion of an existing landfill unit                       | 335.204(e)(6)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 71 | II.E.2.   | For the new commercial HW landfill, indicate whether it is proposed to be located in 100-yr floodplain; If yes, permit will not be issued for a new commercial HW landfill or an areal expansion of an existing landfill per 335.204(e)(7) and 335. 205(a)(1)                                 | 335.204(e)(7)  |  |  |  |  | Please provide an answer in the Submitted column! |
| 72 | II.E.3.a. | Indicate whether the landfill is located or proposed to be located within 1000 ft. of an area subject to active shoreline erosion protected by barrier island or peninsula; If yes, Section V.G must include information to address the adverse effects                                       | 335.204(e)(10) |  |  |  |  | Please provide an answer in the Submitted column! |



|     |              |   |                               |  |  |  |   |
|-----|--------------|---|-------------------------------|--|--|--|---|
| 73  | II.E.3.b.    | Indicate whether the landfill is located or proposed to be located within 5000 ft. of an area subject to active coastal shoreline unprotected by barrier island or peninsula; If yes, Section V.G must include information to address the adverse effects | 335.204(e)(10)                |  |  |  | Please provide an answer in the Submitted column! |
| 74  | II.E.4.      | Indicate whether the landfill is located or proposed to be located on a barrier island or peninsula; If yes, permit will not be issued for a new HW landfill unit or an areal expansion of an existing landfill unit                                      | 335.204(e)(12); 335.205(a)(1) |  |  |  | Please provide an answer in the Submitted column! |
| 90  | II.G.3.      | For a new commercial HW management facility provide:  | 305.50(a)(12)(A)              |  |  |  |   |
| 91  | II.G.3.a.    | Average number, gross weight, type and size of vehicles used to transport HW  | 305.50(a)(12)(A)(i)           |  |  |  | Please provide an answer in the Submitted column! |
| 92  | II.G.3.b.    | Major highways nearest the facility irrespective of distance  | 305.50(a)(12)(A)(ii)          |  |  |  | Please provide an answer in the Submitted column! |
| 93  | II.G.3.c.    | Public roadways within 2.5 mile radius from facility  | 305.50(a)(12)(A)(iii)         |  |  |  | Please provide an answer in the Submitted column! |
| 97  | II.G.7.      | If a surface impoundment or landfill (including post-closure) is permitted, provide exposure information; This information will be considered separately from TCEQ application completeness determination   | 305.50(a)(8) 270.10(j)        |  |  |  | Please provide an answer in the Submitted column! |
| 149 | III.D.1.i.   | SURFACE IMPOUNDMENT INSPECTIONS: (weekly and after storms):   | 264.226(b)                    |  |  |  | Please provide an answer in the Submitted column! |
| 150 | III.D.1.i.1. | Deterioration, malfunction, or improper overtopping control system  | 264.226(b)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 151 | III.D.1.i.2. | Sudden drops in the level of impoundment contents   | 264.226(b)(2)                 |  |  |  | Please provide an answer in the Submitted column! |
| 152 | III.D.1.i.3. | Deterioration of containment devices  | 264.226(b)(3)                 |  |  |  | Please provide an answer in the Submitted column! |
| 153 | III.D.1.i.4. | Leak detection system inspected at least once each week during active life and closure period   | 264.226(d)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 154 | III.D.1.j.   | WASTE PILE INSPECTION: (weekly and after storms):   | 264.254(b)                    |  |  |  | Please provide an answer in the Submitted column! |
| 155 | III.D.1.j.1. | Run-on and run-off control system inspected for deterioration, malfunction, or improper operation of  | 264.254(b)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 156 | III.D.1.j.2. | Wind dispersal system   | 264.254(b)(2)                 |  |  |  | Please provide an answer in the Submitted column! |
| 157 | III.D.1.j.3. | Leachate collection and removal systems   | 264.254(b)(3)                 |  |  |  | Please provide an answer in the Submitted column! |
| 158 | III.D.1.j.4. | Leak detection system   | 264.254(c)                    |  |  |  | Please provide an answer in the Submitted column! |
| 159 | III.D.1.k.   | LAND TREATMENT UNIT INSPECTION: (weekly and after storms)   | 264.273(g)                    |  |  |  | Please provide an answer in the Submitted column! |
| 160 | III.D.1.k.1. | Deterioration, malfunctions, or improper operation of run-on and run-off control systems  | 264.273(g)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 161 | III.D.1.k.2. | Wind dispersal control system   | 264.273(g)(2)                 |  |  |  | Please provide an answer in the Submitted column! |
| 162 | III.D.1.l.   | LANDFILL INSPECTION: (weekly and after storms)  | 264.303(b)                    |  |  |  | Please provide an answer in the Submitted column! |
| 163 | III.D.1.l.1. | Deterioration, malfunctions, or improper operation of run-on and run-off control systems  | 264.303(b)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 164 | III.D.1.l.2. | Wind dispersal control system   | 264.303(b)(2)                 |  |  |  | Please provide an answer in the Submitted column! |
| 165 | III.D.1.l.3. | Leachate collection and removal system inspected for presence of leachate and proper function   | 264.303(b)(3)                 |  |  |  | Please provide an answer in the Submitted column! |
| 166 | III.D.1.l.4. | Amount of liquids removed from each leak detection system sump recorded and pump operating levels meet permit specified values  | 264.303(c)                    |  |  |  | Please provide an answer in the Submitted column! |
| 167 | III.D.1.m.   | INCINERATOR INSPECTION:   | 264.347                       |  |  |  | Please provide an answer in the Submitted column! |
| 168 | III.D.1.m.1. | Incinerator and associated equipment visual inspection (daily)  | 264.347(b)                    |  |  |  | Please provide an answer in the Submitted column! |
| 169 | III.D.1.m.2. | Incinerator waste feed cut-off system and associated alarms tested (weekly)   | 264.347(c)                    |  |  |  | Please provide an answer in the Submitted column! |
| 170 | III.D.1.n.   | BOILER AND INDUSTRIAL FURNACES INSPECTION:  | 266.102(e)(8)                 |  |  |  | Please provide an answer in the Submitted column! |
| 171 | III.D.1.n.1. | BIF and associated equipment- visual inspection (daily)   | 266.102(e)(8)(iii)            |  |  |  | Please provide an answer in the Submitted column! |
| 172 | III.D.1.n.2. | Feed cut-off system and associated alarms (weekly)  | 266.102(e)(8)(iv)             |  |  |  | Please provide an answer in the Submitted column! |
| 173 | III.D.1.o.   | DRIP PAD INSPECTION: (weekly and after storms):   | 264.574(b)                    |  |  |  | Please provide an answer in the Submitted column! |

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|-----|--------------|---|---------------|--|--|--|---|
| 174 | III.D.1.o.1. | Deterioration, malfunctions, or improper operation of run-on and run-off control systems  | 264.574(b)(1) |  |  |  | Please provide an answer in the Submitted column! |
| 175 | III.D.1.o.2. | Presence of leakage in the leak detection system  | 264.574(b)(2) |  |  |  | Please provide an answer in the Submitted column! |
| 176 | III.D.1.o.3. | Deterioration or cracking of the drip pad surface   | 264.574(b)(3) |  |  |  | Please provide an answer in the Submitted column! |
| 178 | III.D.1.q.   | CONTAINMENT BUILDING INSPECTION   | 264.1101      |  |  |  | Please provide an answer in the Submitted column! |
| 254 | IV.D.5.      | SURFACE IMPOUNDMENTS: (The Applicant must address the following information and may provide it in the Surface Impoundment Engineering Report with cross reference here, or provide information here and reference it in the Surface Impoundment Engineering Report)   | 264 subpart K |  |  |  |   |
| 255 | IV.D.5.a.    | Provide special requirements for ignitable or reactive wastes   | 264.229       |  |  |  | Please provide an answer in the Submitted column! |
| 256 | IV.D.5.b.    | Provide special requirements for incompatible wastes  | 264.23        |  |  |  | Please provide an answer in the Submitted column! |
| 257 | IV.D.5.c.    | Provide special requirements for hazardous wastes F020, F021, F022, F023, F026, and F027, if applicable   | 264.231       |  |  |  | Please provide an answer in the Submitted column! |
| 258 | IV.D.6.      | WASTE PILES: (The Applicant must address the following information and may provide it in the Waste Pile Engineering Report with cross reference here, or provide information here and reference it in the Waste Pile Engineering Report)  | 264 subpart L |  |  |  |   |
| 259 | IV.D.6.a.    | For waste piles that are inside or under a structure, when an exemption from 264.251 is requested, provide test procedures and results, or other documentation or information which shows that the wastes do not contain free liquids when placed on the pile; Suggested test for free liquids, is the Paint Filter Liquid Test (Method 9095) | 264.250(c)(1) |  |  |  | Please provide an answer in the Submitted column! |
| 260 | IV.D.6.b.    | Demonstrate that the wastes will not generate leachate through decomposition or other reactions while being stored  | 264.250(c)(4) |  |  |  | Please provide an answer in the Submitted column! |
| 261 | IV.D.6.c.    | Provide special requirements for ignitable or reactive wastes   | 264.256       |  |  |  | Please provide an answer in the Submitted column! |
| 262 | IV.D.6.d.    | Provide special requirements for incompatible wastes  | 264.257       |  |  |  | Please provide an answer in the Submitted column! |
| 263 | IV.D.6.e.    | Provide special requirements for hazardous wastes F020, F021, F022, F023, F026, and F027, if applicable   | 264.259       |  |  |  | Please provide an answer in the Submitted column! |
| 264 | IV.D.7.      | LAND TREATMENT UNITS: (The Applicant must address the following information and may provide it in the LTU Engineering Report with cross reference here, or provide information here and reference it in the LTU Engineering Report)   | 264 subpart M |  |  |  |   |
| 265 | IV.D.7.a.    | Provide concentration and identification of hazardous constituents  | 264.271(b)    |  |  |  | Please provide an answer in the Submitted column! |
| 266 | IV.D.7.b.    | Provide special requirements for ignitable wastes   | 264.281       |  |  |  | Please provide an answer in the Submitted column! |
| 267 | IV.D.7.c.    | Provide special requirements for incompatible wastes  | 264.282       |  |  |  | Please provide an answer in the Submitted column! |
| 268 | IV.D.7.d.    | Provide special requirements for hazardous wastes F020, F021, F022, F023, F026, and F027, if applicable   | 264.283       |  |  |  | Please provide an answer in the Submitted column! |
| 269 | IV.D.8.      | LANDFILLS: (The Applicant must address the following information and may provide it in the Landfill Engineering Report with cross reference here, or provide information here and reference it in the Landfill Engineering Report)  | 264 subpart N |  |  |  |   |
| 270 | IV.D.8.a.    | Provide special requirements for ignitable wastes   | 264.312       |  |  |  | Please provide an answer in the Submitted column! |
| 271 | IV.D.8.b.    | Provide special requirements for incompatible wastes  | 264.313       |  |  |  | Please provide an answer in the Submitted column! |
| 272 | IV.D.8.c.    | Provide special requirements for bulk and containerized liquids:  | 264.314       |  |  |  | Please provide an answer in the Submitted column! |
| 273 | IV.D.8.c.1.  | Bulk or non-containerized liquid  | 264.314(a)    |  |  |  | Please provide an answer in the Submitted column! |
| 274 | IV.D.8.c.2.  | Containers holding free liquids (Containers holding free liquids must not be placed in landfill)  | 264.314(b)    |  |  |  | Please provide an answer in the Submitted column! |

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|-----|-------------|--|--|--|--|--|---|
| 275 | IV.D.8.c.3. | Test procedures and results or documentation to show that wastes do not contain free liquid. Test Method 9095 (Paint Filter Liquid Test)   | 264.314(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 276 | IV.D.8.c.4. | Containers holding free liquids must not be placed in landfill unless nonbiodegradable sorbents are used   | 264.314(d)(e)  |  |  |  | Please provide an answer in the Submitted column! |
| 277 | IV.D.8.d.   | Provide special requirements for hazardous wastes F020, F021, F022, F023, F026, and F027, if applicable  | 264.317  |  |  |  | Please provide an answer in the Submitted column! |
| 278 | IV.D.9.     | INCINERATORS (covered under Section V.H)   | 335.152 (a)(13); 264 subpart O   |  |  |  | Please provide an answer in the Submitted column! |
| 279 | IV.D.10.    | BOILERS AND INDUSTRIAL FURNACES (covered under Section V.I)  | 335.221-225; 266 subpart H   |  |  |  | Please provide an answer in the Submitted column! |
| 435 | V.D.        | <b>Surface Impoundments (SI)</b>   | 335.152(a)(9); 264 subpart K   |  |  |  |   |
| 436 | V.D.~.      | Submit a surface impoundment report including at a minimum:  | 270.17   |  |  |  | Please provide an answer in the Submitted column! |
| 437 | V.D.~.a.    | Costs associated with above-grade construction and the potential adverse effects   | 305.50(a)(5)   |  |  |  | Please provide an answer in the Submitted column! |
| 438 | V.D.~.b.    | For new SI located in recharge zone must include a hydrogeologic report prepared by a licensed professional geoscientist or PE along with the Registered Engineering Firm's name and Registration Number | 305.50(a)(6)   |  |  |  | Please provide an answer in the Submitted column! |
| 439 | V.D.~.c.    | Construction quality assurance program.  | 264.19; EPA Publications 530-SW-85-014 and EPA/600/R-93/182, as applicable |  |  |  | Please provide an answer in the Submitted column! |
| 440 | V.D.~.d.    | Action leakage rate.   | 264.222; 270.17(b)(5)  |  |  |  | Please provide an answer in the Submitted column! |
| 441 | V.D.~.e.    | Response action plan.  | 264.223; 270.17(b)(5)  |  |  |  | Please provide an answer in the Submitted column! |
| 442 | V.D.~.f.    | Liner system exemption requests.   | 335.168(b); 264.221(b)   |  |  |  | Please provide an answer in the Submitted column! |
| 443 | V.D.~.g.    | Monitoring and inspection during construction.   | 264.226(a)   |  |  |  | Please provide an answer in the Submitted column! |
| 444 | V.D.~.h.    | Emergency repairs contingency plans.   | 264.227  |  |  |  | Please provide an answer in the Submitted column! |
| 445 | V.D.1.      | Complete and submit Table V.D.1. - Surface Impoundments in hard copy and editable electronic format  | 270.17(a)  |  |  |  | Please provide an answer in the Submitted column! |
| 446 | V.D.2.      | If SI will manage ignitable or reactive wastes as indicated in Table V.D.1., include 264.17 & 264.229 requirements in the engineering report   | 264.17(g); 264.229   |  |  |  | Please provide an answer in the Submitted column! |
| 447 | V.D.3.      | If SI will manage incompatible wastes as indicated in Table V.D.1., include 264.17 and 264.230 requirements in the engineering report  | 264.17(h); 264.230   |  |  |  | Please provide an answer in the Submitted column! |
| 448 | V.D.4.      | If SI will manage FO20, FO21, FO22, FO23, FO26, & FO27 as indicated in Table V.D.1., include 264.231 requirement in the engineering report   | 264.231  |  |  |  | Please provide an answer in the Submitted column! |
| 449 | V.D.5.      | Describe the SI; include a plan view and cross-section   |  |  |  |  | Please provide an answer in the Submitted column! |
| 450 | V.D.6.      | Freeboard: address Overtopping prevention resulting from:  | 335.168(g); 264.221(g); 270.17(b)(6)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 451 | V.D.6.a.    | Overtopping prevention from 100-yr, 24-hr storm  | 335.168(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 452 | V.D.6.b.    | Overfilling  | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 453 | V.D.6.c.    | Wind   | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 454 | V.D.6.d.    | Wave action  | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 455 | V.D.6.e.    | Rainfall   | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 456 | V.D.6.f.    | Run-off/Run-on   | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 457 | V.D.6.g.    | Malfunctions of level controllers  | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 458 | V.D.7.a.    | Waste Flow: If SI has inflow, describe overtopping prevention and provide appropriate detailed drawings  | 335.168(g); 264.221(g)   |  |  |  | Please provide an answer in the Submitted column! |

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|-----|---------------|---|---------------------------|--|--|--|---|
| 459 | V.D.7.b.      | If SI is of flow-through design, describe the flow of waste including hydraulic profile   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 460 | V.D.8.        | Provide dike construction engineering drawings, diagrams and plans, including:  | 264.221(h); 335.168(h)    |  |  |  | Please provide an answer in the Submitted column! |
| 461 | V.D.8.a.      | Dike engineering certification, certified by a licensed PE  | 264.226(c); 305.50(a)(7)  |  |  |  | Please provide an answer in the Submitted column! |
| 462 | V.D.8.a.1.    | Stress of pressure from wastes  | 264.226(c)(1)             |  |  |  | Please provide an answer in the Submitted column! |
| 463 | V.D.8.a.2.    | Will not fail due to scouring or piping   | 264.226(c)(2)             |  |  |  | Please provide an answer in the Submitted column! |
| 464 | V.D.8.b.      | Structural integrity certified by a licensed PE   | 264.226(c); 270.17(d)     |  |  |  | Please provide an answer in the Submitted column! |
| 465 | V.D.8.c.      | Report on dike design should include:   | 335.168(i)                |  |  |  | Please provide an answer in the Submitted column! |
| 466 | V.D.8.c.1.    | Slope stability analysis  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 467 | V.D.8.c.2.    | Hydrostatic and hydrodynamic  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 468 | V.D.8.c.3.    | Storm loading   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 469 | V.D.8.c.4.    | Rapid draw down   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 470 | V.D.8.d.      | Protective cover for earthen dikes (describe protective cover and installation and maintenance)   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 471 | V.D.9.        | Containment System  | 335.168(i)                |  |  |  | Please provide an answer in the Submitted column! |
| 472 | V.D.9.a.      | Complete and submit Table V.D.6 - Surface Impoundment Liner System in hard copy and editable electronic format                              | 264.221                   |  |  |  | Please provide an answer in the Submitted column! |
| 473 | V.D.9.b.      | Include analysis for the following in the Engineering Report:   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 474 | V.D.9.b.~.a.  | For artificial liners:  | 335.168(i); 264.221(a)    |  |  |  | Please provide an answer in the Submitted column! |
| 475 | V.D.9.b.1.    | Seaming method  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 476 | V.D.9.b.2.    | Surface preparation method  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 477 | V.D.9.b.3.    | Tensile strength  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 478 | V.D.9.b.4.    | Impact resistance   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 479 | V.D.9.b.5.    | Compatibility demonstration   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 480 | V.D.9.b.6.    | Foundation design (including settlement potential, bearing capacity and stability, and potential for bottom heave blow-out) for soil liners |                           |  |  |  | Please provide an answer in the Submitted column! |
| 481 | V.D.9.b.~.b.  | For Soil Liners:  | 335.168(i)                |  |  |  | Please provide an answer in the Submitted column! |
| 482 | V.D.9.b.7.    | Waste migration   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 483 | V.D.9.b.8.    | Atterberg Limits, % passing a # 200 sieve, and permeability   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 484 | V.D.9.b.9.    | Moisture Content  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 485 | V.D.9.b.10.   | Standard Proctor Density & compaction data  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 486 | V.D.9.b.~.c.  | For Leachate Collection Systems:  | 335.168(i); 264.221(c)(2) |  |  |  | Please provide an answer in the Submitted column! |
| 487 | V.D.9.b.11.   | Pipe Material and Strength  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 488 | V.D.9.b.12.   | Pipe Network Spacing and Grading  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 489 | V.D.9.b.13.   | Collection Sump(s) Material and Strength  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 490 | V.D.9.b.14.   | Drainage Media Specifications and Performance   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 491 | V.D.9.b.15.   | Analyses showing that pipe and pipe perforation size will prevent clogging and allow free liquid access to the pipe                         |                           |  |  |  | Please provide an answer in the Submitted column! |
| 492 | V.D.9.b.16.   | Compatibility Demonstration   | 264.221(c)(2)(iii)        |  |  |  | Please provide an answer in the Submitted column! |
| 493 | V.D.9.b.17.   | Capacity of System:   | 264.221(c)(2)(iv-v)       |  |  |  | Please provide an answer in the Submitted column! |
| 494 | V.D.9.b.17.a. | rate of leachate removal  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 495 | V.D.9.b.17.b. | capacity of sumps   |                           |  |  |  | Please provide an answer in the Submitted column! |
| 496 | V.D.9.b.17.c. | thickness of mounding and maximum hydraulic head  |                           |  |  |  | Please provide an answer in the Submitted column! |
| 497 | V.D.9.c.      | Specify installation date and expected life of liner system   |                           |  |  |  | Please provide an answer in the Submitted column! |

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|-----|-------------|--|---|--|--|--|---|
| 498 | V.D.9.d.    | Provide tests or documentation for whether the liner is chemically resistant to waste and how this resistance was determined   | 335.168(a)(1-2)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 499 | V.D.9.e.    | Submit a QA/QC Plan for all components   |   |  |  |  | Please provide an answer in the Submitted column! |
| 500 | V.D.9.f.    | Submit Response Action Plan for exceedances of Action Leakage Rate   | 264.223(a)  |  |  |  | Please provide an answer in the Submitted column! |
| 501 | V.D.10.     | For new and existing impoundment(s), lateral expansion(s) or replacements of existing units, you must meet minimum technological requirements (MTR) unless an appropriate waiver is granted by the Commission. MTR must address:                 | 335.168; 264.221                                  |  |  |  | Please provide an answer in the Submitted column! |
| 502 | V.D.10.a.   | Liner system requirements (must install 2 or more liners):   |   |  |  |  | Please provide an answer in the Submitted column! |
| 503 | V.D.10.a.1. | Constructed with sufficient strength and thickness   | 335.168(a)(1); 264.221(a)(1)                      |  |  |  | Please provide an answer in the Submitted column! |
| 504 | V.D.10.a.2. | Placed upon foundation   | 335.168(a)(2); 264.221(a)(2)                      |  |  |  | Please provide an answer in the Submitted column! |
| 505 | V.D.10.a.3. | Installed to cover surrounding earth likely to be in contact with waste or leachate  | 335.168(a)(3); 264.221(a)(3)                      |  |  |  | Please provide an answer in the Submitted column! |
| 506 | V.D.10.a.4. | A top liner must be constructed with geomembrane to prevent migration of hazardous   | 264.221(c)(1)(i)(A) [as referenced in 335.168(c)] |  |  |  | Please provide an answer in the Submitted column! |
| 507 | V.D.10.a.5. | A composite bottom liner consisting of at least 2 components constructed of at least 3 ft. or compacted soil   | 264.221(c)(1)(i)(B) [as referenced in 335.168(c)] |  |  |  | Please provide an answer in the Submitted column! |
| 508 | V.D.10.b.   | Leakage detection system must be designed constructed with at a minimum:   | 264.221(c)(2) [as referenced in 335.168(c)]       |  |  |  | Please provide an answer in the Submitted column! |
| 509 | V.D.10.b.1. | 1% or more bottom slope  | 264.221(c)(2)(i) [as referenced in 335.168(c)]    |  |  |  | Please provide an answer in the Submitted column! |
| 510 | V.D.10.b.2. | 1x 10-1cm/s hydraulic conductivity, 12 in. (30.5 cm) thickness, or synthetic drainage(geonet) with transmissivity of 3X10-4 m2sec or more  | 264.221(c)(2)(ii) [as referenced in 335.168(c)]   |  |  |  | Please provide an answer in the Submitted column! |
| 511 | V.D.10.b.3. | Chemical resistant to waste  | 264.221(c)(2)(iii) [as referenced in 335.168(c)]  |  |  |  | Please provide an answer in the Submitted column! |
| 512 | V.D.10.b.4. | Minimize clogging  | 264.221(c)(2)(iv) [as referenced in 335.168(c)]   |  |  |  | Please provide an answer in the Submitted column! |
| 513 | V.D.10.b.5. | Sumps and liquid removal methods   | 264.221(c)(2)(v) [as referenced in 335.168(c)]    |  |  |  | Please provide an answer in the Submitted column! |
| 514 | V.D.10.c.   | Collect and remove pumpable liquids in the sumps   | 264.221(c)(3) [as referenced in 335.168(c)]       |  |  |  | Please provide an answer in the Submitted column! |
| 515 | V.D.10.d.   | Liner system location relative to high water table   | 264.221(c)(4) [as referenced in 335.168(c)]       |  |  |  | Please provide an answer in the Submitted column! |
| 516 | V.D.11.     | Run-on Diversion: Describe prevention of run-on to active portion from 100-yr storm  | 264.221(g); 335.168 (g)                           |  |  |  | Please provide an answer in the Submitted column! |
| 517 | V.D.12.     | If submitting alternate design and operating practices for a SI, provide demonstration that alternative design and operating practices, with location characteristics, will:   | 264.221(d) [as referenced in 335.168(d)]          |  |  |  | Please provide an answer in the Submitted column! |
| 518 | V.D.12.a.   | Prevent migration into the groundwater or surface water at least as effectively as the standard system specified by 40 CFR 264.22(c)   | 264.221(d)(1) [as referenced in 335.168(d)]       |  |  |  | Please provide an answer in the Submitted column! |
| 519 | V.D.12.b.   | Allow detection of leaks of hazardous constituents through the top liner at least as effectively as the system specified in 40 CFR 264.221(c)  | 264.221(d)(2) [as referenced in 335.168(c)]       |  |  |  | Please provide an answer in the Submitted column! |
| 520 | V.D.13.     | If seeking an exemption from double liner requirements for monofills, provide detailed plans and specifications with descriptions demonstrating at least equivalent effectiveness of the planned unit compared to one with a double liner system | 335.168(e); 264.221(e)                            |  |  |  | Please provide an answer in the Submitted column! |

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| 521 | V.D.14.      | Provide detailed plans and specifications, individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 305.50(a)(7)   |  |  |  | Please provide an answer in the Submitted column! |
| 522 | V.E.         | <b>Waste Piles (WP)</b>  | 335.152(a)(10); 264 subpart L  |  |  |  |   |
| 523 | V.E.~.       | Submit a waste pile engineering report, including at the minimum:  | 270.18   |  |  |  | Please provide an answer in the Submitted column! |
| 524 | V.E.~.a.     | Liner description (design, operation, installation, construction and leachate collection system). For new waste pile unit or lateral expansion of existing unit, must comply with 264.251 (c)                          | 335.170(a)(1-2); 264.251(a)  |  |  |  | Please provide an answer in the Submitted column! |
| 525 | V.E.~.b.     | Construction quality assurance program   | 264.19; EPA Publications 530-SW-85-014 and 600-R-93-182                        |  |  |  | Please provide an answer in the Submitted column! |
| 526 | V.E.~.c.     | Waste piles that are under a structure and protected from precipitation are not subject to 264.251 so long as:   | 264.250(c) [as referenced in 335.170(c)]                                       |  |  |  | Please provide an answer in the Submitted column! |
| 527 | V.E.~.c.1.   | Free liquids are not placed in the waste pile  | 264.250(c)(1) [as referenced in 335.170(c)]                                    |  |  |  | Please provide an answer in the Submitted column! |
| 528 | V.E.~.c.2.   | Protected from precipitation run-on  | 264.250(c)(2) [as referenced in 335.170(c)]                                    |  |  |  | Please provide an answer in the Submitted column! |
| 529 | V.E.~.c.3.   | Wind dispersal is controlled   | 264.250(c)(3) [as referenced in 335.170(c)]                                    |  |  |  | Please provide an answer in the Submitted column! |
| 530 | V.E.~.c.4.   | Will not generate leachate   | 264.250(c)(4) [as referenced in 335.170(c)]                                    |  |  |  | Please provide an answer in the Submitted column! |
| 531 | V.E.~.d.     | Calculation of action leakage rate   | 264.252  |  |  |  | Please provide an answer in the Submitted column! |
| 532 | V.E.~.e.     | Response action plan   | 264.253  |  |  |  | Please provide an answer in the Submitted column! |
| 533 | V.E.~.f.     | Monitoring and inspection during construction  | 264.254(a)   |  |  |  | Please provide an answer in the Submitted column! |
| 534 | V.E.1.       | Complete and submit Table V.E.1 - Waste Piles in hard copy and editable electronic format  | 270.18(a)  |  |  |  | Please provide an answer in the Submitted column! |
| 535 | V.E.2.       | If WP will manage ignitable or reactive wastes as indicated in Table V.E.1, include 264.17 & 264.256 requirements in the engineering report  | 264.17; 264.256  |  |  |  | Please provide an answer in the Submitted column! |
| 536 | V.E.3.       | If WP will manage incompatible wastes as indicated in Table V.E.1, include 264.17 & 264.257 requirements in the engineering report   | 264.17; 264.257  |  |  |  | Please provide an answer in the Submitted column! |
| 537 | V.E.4.       | If WP will manage FO20, FO21, FO22, FO23, FO26, FO27 as indicated in Table V.D.1, include 264.231 requirement in the engineering report  | 264.259  |  |  |  | Please provide an answer in the Submitted column! |
| 538 | V.E.5.       | Describe WP design and construction  | 270.18(c)  |  |  |  | Please provide an answer in the Submitted column! |
| 539 | V.E.6.       | Containment System (applicable to new waste piles and new portions of existing waste piles): Provide containment system design and construction  | 335.170; Tech. Guidance No. 6; EPA Publications 530-SW-85-014 and 600-R-93-182 |  |  |  | Please provide an answer in the Submitted column! |
| 540 | V.E.6.a.     | Complete and submit liner description (Table V.E.3 - Waste Pile Liner System) in hard copy and editable electronic format  |  |  |  |  | Please provide an answer in the Submitted column! |
| 541 | V.E.6.b.     | Liner engineering report (design, installation, construction, and operation of the liner and leachate collection system.), include in the analyses:  | 264.251  |  |  |  | Please provide an answer in the Submitted column! |
| 542 | V.E.6.b.~.a. | For Artificial Liners:   |  |  |  |  | Please provide an answer in the Submitted column! |
| 543 | V.E.6.b.1.   | Seaming method   |  |  |  |  | Please provide an answer in the Submitted column! |
| 544 | V.E.6.b.2.   | Surface preparation method   |  |  |  |  | Please provide an answer in the Submitted column! |

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| 545 | V.E.6.b.3.   | Tensile strength   |   |  |  |  | Please provide an answer in the Submitted column! |
| 546 | V.E.6.b.4.   | Impact resistance  |   |  |  |  | Please provide an answer in the Submitted column! |
| 547 | V.E.6.b.5.   | Compatibility demonstration  |   |  |  |  | Please provide an answer in the Submitted column! |
| 548 | V.E.6.b.6.   | Foundation design (including settlement potential, bearing capacity and stability, and potential for bottom heave blow-out)  |   |  |  |  | Please provide an answer in the Submitted column! |
| 549 | V.E.6.b.~.b. | For Soil liners:   |   |  |  |  | Please provide an answer in the Submitted column! |
| 550 | V.E.6.b.7.   | Waste migration analysis (based on head, porosity, and permeability)   |   |  |  |  | Please provide an answer in the Submitted column! |
| 551 | V.E.6.b.8.   | Atterberg limits, % passing a #200 sieve, and permeability   |   |  |  |  | Please provide an answer in the Submitted column! |
| 552 | V.E.6.b.9.   | Moisture content   |   |  |  |  | Please provide an answer in the Submitted column! |
| 553 | V.E.6.b.10.  | Standard proctor density, compaction data  |   |  |  |  | Please provide an answer in the Submitted column! |
| 554 | V.E.6.b.~.c. | For leachate detection, collection, and removal system: 264.251 requirements are for any new and/or lateral expansion of waste pile unit   | 264.251(a)(2); 264.251(c)(2)<br>[as referenced in 335.170(d)] |  |  |  | Please provide an answer in the Submitted column! |
| 555 | V.E.6.b.11.  | Capacity of system: rate of leachate removal; capacity of sumps; and thickness of mounding and maximum hydraulic head  | 264.251(a)(2); 264.251(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 556 | V.E.6.b.12.  | Pipe material strength   | 264.251(a)(2); 264.251(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 557 | V.E.6.b.13.  | Pipe network spacing and grading   | 264.251(a)(2); 264.251(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 558 | V.E.6.b.14.  | Collection sump(s) material and strength   | 264.251(a)(2); 264.251(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 559 | V.E.6.b.15.  | Drainage media specifications and performance  | 264.251(a)(2); 264.251(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 560 | V.E.6.b.16.  | Analysis showing that pipe and perforation size will prevent clogging and allow free liquid access to the pipe   | 335.170(a)(2)(B)  |  |  |  | Please provide an answer in the Submitted column! |
| 561 | V.E.6.b.17.  | Compatibility demonstration  |   |  |  |  | Please provide an answer in the Submitted column! |
| 562 | V.E.6.c.     | Installation date and expected life of liner system  |   |  |  |  | Please provide an answer in the Submitted column! |
| 563 | V.E.6.d.     | Tests or documentation that liner is chemically resistant to waste   | 335.170(a)(2)(A)(i)   |  |  |  | Please provide an answer in the Submitted column! |
| 564 | V.E.6.e.     | QA/QC plan   |   |  |  |  | Please provide an answer in the Submitted column! |
| 565 | V.E.6.f.     | Submit Response Action Plan for exceedances of Action Leakage Rate   | 264.253(a)  |  |  |  | Please provide an answer in the Submitted column! |
| 566 | V.E.7.       | Describe practices of wind dispersal system control  | 335.170(j); 264.251(j)  |  |  |  | Please provide an answer in the Submitted column! |
| 567 | V.E.8.       | Describe measures of Run-on Diversion control:   | 335.170(g); 264.251(g)  |  |  |  | Please provide an answer in the Submitted column! |
| 568 | V.E.8.a.     | System prevents flow onto active portion from peak discharge of at least a 100-yr, 24-hr storm   | 335.170(g); 264.251(g)  |  |  |  | Please provide an answer in the Submitted column! |
| 569 | V.E.8.b.     | Include analyses of rates of flow, run-on volume and depth, and backwater calculations   |   |  |  |  | Please provide an answer in the Submitted column! |
| 570 | V.E.8.c.     | Collection and holding facilities managed expeditiously after storm  | 335.170(i); 264.251(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 571 | V.E.9.       | Describe measures of Run-off Control:  | 335.170(h); 264.251(h)  |  |  |  | Please provide an answer in the Submitted column! |
| 572 | V.E.9.a.     | System collects and controls run-off volume resulting from 100-yr, 24-hr storm   | 335.170(h); 264.251 (h)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 573 | V.E.9.b.     | Collection and holding facilities managed expeditiously  | 335.170(i); 264.251(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 574 | V.E.9.c.     | Include run-off volume calculations  |   |  |  |  | Please provide an answer in the Submitted column! |
| 575 | V.E.10.      | Design operating procedures: Must describe residuals (i.e. leachate) and the management process and the equipment used   | 335.170; 264.251; 264.254                                     |  |  |  | Please provide an answer in the Submitted column! |
| 576 | V.E.11.      | Description and list of equipment used: Must describe procedures used to place the waste in or on the pile and ensure that the containment system is protected from plant growth | 264.251; 264.254;<br>305.45(a)(8)(C); 335.170(k)              |  |  |  | Please provide an answer in the Submitted column! |
| 577 | V.E.12.      | For an exemption from liner and leachate collection requirements, include:   | 335.170(b); 264.251(b);<br>264.251(d) [new WP]                |  |  |  | Please provide an answer in the Submitted column! |



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| 578 | V.E.12.a.     | Prevention of waste migrating into ground or surface water at least as effectively as liners, etc.   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 579 | V.E.12.b.     | Will allow detection of leaks through liner at least as effectively  |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 580 | V.E.13.       | Demonstrate WP exemption from ground-water monitoring by meeting the following standards:  | 264.250(c); 264.90(b)               |  |  |  | Please provide an answer in the Submitted column! |
| 581 | V.E.13.a.     | Waste pile location entirely above seasonal high water table   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 582 | V.E.13.b.     | Waste pile inside or under some sort of structure and:   | 264.250(c)                          |  |  |  | Please provide an answer in the Submitted column! |
| 583 | V.E.13.b.1.   | Contains no liquid waste   | 264.250(c)(1); 264.90(b)(2)(ii)     |  |  |  | Please provide an answer in the Submitted column! |
| 584 | V.E.13.b.2.   | Protected from surface water run-on  | 264.250(c)(2);<br>264.90(b)(2)(iii) |  |  |  | Please provide an answer in the Submitted column! |
| 585 | V.E.13.b.3.   | Has wind dispersal control without wetting waste   | 264.250(c)(3)                       |  |  |  | Please provide an answer in the Submitted column! |
| 586 | V.E.13.b.4.   | Will not generate leachate   | 264.250(c)(4)                       |  |  |  | Please provide an answer in the Submitted column! |
| 587 | V.E.13.c.     | Leachate collection and removal system must be above the top liner   | 264.90(b)(2)                        |  |  |  | Please provide an answer in the Submitted column! |
| 588 | V.E.13.d.     | Liners must be of sufficient strength and thickness to prevent failure, cracking, etc. and:  | 264.90(b)(2)                        |  |  |  | Please provide an answer in the Submitted column! |
| 589 | V.E.13.d.1.a. | Waste pile must be underlain by 2 liners and a leak detection system to prevent migration  | 264.90(b)(2)(iv) and (v)            |  |  |  | Please provide an answer in the Submitted column! |
| 590 | V.E.13.d.1.b. | Demonstration of low potential for migration to uppermost aquifer during life of waste pile including closure period   | 264.90(b)(2)(vi) and (vii)          |  |  |  | Please provide an answer in the Submitted column! |
| 591 | V.E.13.d.2.a. | Waste pile must be underlain by a liner that is designed, constructed and installed to prevent migration; and  | 264.90(b)(2)                        |  |  |  | Please provide an answer in the Submitted column! |
| 592 | V.E.13.d.2.b. | Waste must be removed periodically to inspect liner for signs of deterioration, cracks, etc.   | 335.170(k)                          |  |  |  | Please provide an answer in the Submitted column! |
| 593 | V.E.14.       | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number              | 305.50(a)(7)                        |  |  |  | Please provide an answer in the Submitted column! |
| 594 | V.F.          | <b>Land Treatment Units (LTU)</b>  | 335.152(a)(11); 264 subpart M       |  |  |  |   |
| 595 | V.F.~.        | Engineering Report: Submit a land treatment unit report, including at a minimum:   | 270.2                               |  |  |  | Please provide an answer in the Submitted column! |
| 596 | V.F.~.a.      | Unsuitable site characteristics (covered under Section II.A & B)   | 335.204(c)                          |  |  |  | Please provide an answer in the Submitted column! |
| 597 | V.F.~.b.      | For a new LTU to be located in recharge zone of a regional aquifer, submit a hydrogeologic report prepared by a licensed professional geoscientist or PE along with the Registered Engineering Firm's name and Registration Number | 305.50(a)(6)                        |  |  |  | Please provide an answer in the Submitted column! |
| 598 | V.F.~.c.      | Recordkeeping  | 264.279                             |  |  |  | Please provide an answer in the Submitted column! |
| 599 | V.F.1.        | Complete and submit Tables V.F.1 - Land Treatment Units and V.F.2 - Land Treatment Unit Capacity in hard copy and editable electronic format   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 600 | V.F.1.~.      | For a new LTU, provide the horizontal and vertical dimensions approved by the Regional Administrator. The maximum depth of treatment zone is:  | 264.271(c)                          |  |  |  | Please provide an answer in the Submitted column! |
| 601 | V.F.1.a.      | No more than 1.5 m (5 ft.) from the surface  | 264.271(c)(1)                       |  |  |  | Please provide an answer in the Submitted column! |
| 602 | V.F.1.b.      | More than 1 m (3 ft.) above the seasonal high water table  | 264.271(c)(2)                       |  |  |  | Please provide an answer in the Submitted column! |
| 603 | V.F.2.        | If the LTU will manage incompatible or reactive wastes, as indicated in Table V.F.1, include the requirements of 264.17 & 264.281 in the engineering report  | 264.281                             |  |  |  | Please provide an answer in the Submitted column! |

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| 604 | V.F.3.      | If the LTU will manage incompatible or reactive wastes, as indicated in Table V.F.1, include the requirements of 264.17 & 264.282 in the engineering report  | 264.282            |  |  |  | Please provide an answer in the Submitted column! |
| 605 | V.F.4.      | If LTU will manage FO20, FO21, FO22, FO23, FO26, & FO27, as indicated in Table V.F.1, include the requirements of 264.283 in the engineering report  | 264.283            |  |  |  | Please provide an answer in the Submitted column! |
| 606 | V.F.5.      | Describe the LTU, including a plan view and cross-section  |                    |  |  |  | Please provide an answer in the Submitted column! |
| 607 | V.F.6.      | Complete and submit Table V. F.3 - Land Treatment Principal Hazardous Constituents in hard copy and editable electronic format   |                    |  |  |  | Please provide an answer in the Submitted column! |
| 608 | V.F.7.      | Describe measures of Run-on diversion control:   | 335.171(3)         |  |  |  | Please provide an answer in the Submitted column! |
| 609 | V.F.7.a.    | System collects and controls run-off volume resulting from 100-yr, 24-hr storm   | 335.171(3)         |  |  |  | Please provide an answer in the Submitted column! |
| 610 | V.F.7.b.    | Collection and holding facilities managed expeditiously after storm  | 335.171(5)         |  |  |  | Please provide an answer in the Submitted column! |
| 611 | V.F.8.      | Describe measures of Run-off controls:   | 335.171(4)         |  |  |  | Please provide an answer in the Submitted column! |
| 612 | V.F.8.a.    | System collects and controls run-off volume resulting from 100-yr, 24-hr storm   | 335.171(4)         |  |  |  | Please provide an answer in the Submitted column! |
| 613 | V.F.8.b.    | Collection and holding facilities managed expeditiously after storm; and   | 335.171(5)         |  |  |  | Please provide an answer in the Submitted column! |
| 614 | V.F.8.c.    | Run-off volume calculations should be included   |                    |  |  |  | Please provide an answer in the Submitted column! |
| 615 | V.F.9.      | Describe practices of wind dispersal system controls   | 335.171(6)         |  |  |  | Please provide an answer in the Submitted column! |
| 616 | V.F.10.     | Provide treatment demonstration, including:  | 264.272            |  |  |  | Please provide an answer in the Submitted column! |
| 617 | V.F.10.a.   | A description of plans to conduct treatment demonstration as requirement in 264.272  | 270.20(a)          |  |  |  | Please provide an answer in the Submitted column! |
| 618 | V.F.10.b.   | List of wastes   | 270.20(a)(1)       |  |  |  | Please provide an answer in the Submitted column! |
| 619 | V.F.10.c.   | Characteristics of waste and presence of appendix VIII of 261 constituents   | 264.272(c)(1)(i)   |  |  |  | Please provide an answer in the Submitted column! |
| 620 | V.F.10.d.   | Climate of the area  | 264.272(c)(1)(ii)  |  |  |  | Please provide an answer in the Submitted column! |
| 621 | V.F.10.e.   | Topography of the area   | 264.272(c)(1)(iii) |  |  |  | Please provide an answer in the Submitted column! |
| 622 | V.F.10.f.   | Characteristics of the soil in the area  | 264.272(c)(1)(iv)  |  |  |  | Please provide an answer in the Submitted column! |
| 623 | V.F.10.g.   | Data sources to be used to make the demonstration  | 270.20(a)(2)       |  |  |  | Please provide an answer in the Submitted column! |
| 624 | V.F.10.h.   | Laboratory or field test that will be conducted, including:  | 270.20(a)(3)       |  |  |  | Please provide an answer in the Submitted column! |
| 625 | V.F.10.h.1. | Type of test   | 270.20(a)(3)(i)    |  |  |  | Please provide an answer in the Submitted column! |
| 626 | V.F.10.h.2. | Materials, methods, and analytical procedures  | 270.20(a)(3)(ii)   |  |  |  | Please provide an answer in the Submitted column! |
| 627 | V.F.10.h.3. | Expected time for completion   | 270.20(a)(3)(iii)  |  |  |  | Please provide an answer in the Submitted column! |
| 628 | V.F.10.h.4. | Volume and characteristics of the unit to be simulated, including treatment zone, climatic conditions, and operating practices   | 270.20(a)(3)(iv)   |  |  |  | Please provide an answer in the Submitted column! |
| 629 | V.F.10.h.5. | A description of land treatment program as required under 264.271 that includes: the list of wastes; design and operating procedures; waste application rates and methods; control of pH; microbial enhancement/chemical reactions; and moisture control | 270.20(b)          |  |  |  | Please provide an answer in the Submitted column! |
| 630 | V.F.10.i.   | Duration of the test   | 264.272(c)(3)(iii) |  |  |  | Please provide an answer in the Submitted column! |
| 631 | V.F.10.j.   | Conducted in a manner that protects health & environment   | 264.272(c)(3)      |  |  |  | Please provide an answer in the Submitted column! |
| 632 | V.F.10.k.   | Operating practices that will be used at the LTU   | 264.272(c)(1)(v)   |  |  |  | Please provide an answer in the Submitted column! |
| 633 | V.F.11.     | Provide unsaturated zone monitoring program addressing:  | 264.278            |  |  |  | Please provide an answer in the Submitted column! |
| 634 | V.F.11.a.   | Soil-pore liquid monitoring, which should include:   | 264.278(a)         |  |  |  | Please provide an answer in the Submitted column! |
| 635 | V.F.11.a.1. | Hazardous constituents, which require approval by the regional administrator   | 264.278(a)(1)      |  |  |  | Please provide an answer in the Submitted column! |
| 636 | V.F.11.a.2. | Justification of principle hazardous constituents, which require approval by the regional administrator  | 264.278(a)(2)      |  |  |  | Please provide an answer in the Submitted column! |
| 637 | V.F.11.b.   | Sampling location  | 264.278(b)         |  |  |  | Please provide an answer in the Submitted column! |
| 638 | V.F.11.c.   | Background values  | 264.278(c)         |  |  |  | Please provide an answer in the Submitted column! |
| 639 | V.F.11.d.   | Sampling frequency for soil and soil-pore liquid monitoring  | 264.278(d)         |  |  |  | Please provide an answer in the Submitted column! |

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| 640 | V.F.11.e.   | Sampling and analysis procedures:  | 264.278(e)   |  |  |  | Please provide an answer in the Submitted column! |
| 641 | V.F.11.e.1. | Sample collection  | 264.278(e)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 642 | V.F.11.e.2. | Sample preservation and shipment   | 264.278(e)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 643 | V.F.11.e.3. | Analytical procedures  | 264.278(e)(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 644 | V.F.11.e.4. | Chain of custody   | 264.278(e)(4)  |  |  |  | Please provide an answer in the Submitted column! |
| 645 | V.F.11.f.   | Statistical methods  | 264.278(f-g)   |  |  |  | Please provide an answer in the Submitted column! |
| 646 | V.F.12.     | Demonstrate conditions met for food chain crop:  | 264.276  |  |  |  | Please provide an answer in the Submitted column! |
| 647 | V.F.12.a.   | Crops for human consumption  | 264.276(a)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 648 | V.F.12.b.   | Food chain crops demonstration   | 264.276(a)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 649 | V.F.12.c.   | Demonstration basis  | 264.276(a)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 650 | V.F.12.d.   | Test procedures  | 264.276(a)(3-4)  |  |  |  | Please provide an answer in the Submitted column! |
| 651 | V.F.12.e.   | Cadmium bearing wastes   | 264.276(b)   |  |  |  | Please provide an answer in the Submitted column! |
| 652 | V.F.12.f.   | Animal feed  | 264.276(b)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 653 | V.F.13.     | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number  | 305.50(a)(7)   |  |  |  | Please provide an answer in the Submitted column! |
| 654 | V.G.        | <b>Landfills</b>   | 335.152(a)(12); 264 subpart N  |  |  |  |   |
| 655 | V.G.~.      | Submit a Landfill Engineering Report, including at a minimum:  | 305.50(a)(5); 270.21   |  |  |  | Please provide an answer in the Submitted column! |
| 656 | V.G.~.a.    | For new landfill only: The costs associated with above-grade construction and potential adverse effect associated with above-grade construction  | 305.50(a)(5)   |  |  |  | Please provide an answer in the Submitted column! |
| 657 | V.G.~.b.    | For a new landfill only: Located in recharge zone must include a hydrogeologic report prepared by a licensed professional geoscientist or PE along with the Registered Engineering Firm's name and Registration Number | 305.50(a)(6)   |  |  |  | Please provide an answer in the Submitted column! |
| 658 | V.G.~.c.    | Test fill  | 264.19(c)(2)   |  |  |  | Please provide an answer in the Submitted column! |
| 659 | V.G.~.d.    | Calculation of action leakage rate   | 264.302  |  |  |  | Please provide an answer in the Submitted column! |
| 660 | V.G.~.e.    | Monitoring and inspection during construction or installation  | 264.303(a)   |  |  |  | Please provide an answer in the Submitted column! |
| 661 | V.G.~.f.    | Response action plan   | 264.304(a)   |  |  |  | Please provide an answer in the Submitted column! |
| 662 | V.G.~.g.    | Surveying and recordkeeping  | 264.309  |  |  |  | Please provide an answer in the Submitted column! |
| 663 | V.G.1.      | Complete and submit Table V.G.1. - Landfills in hard copy and editable electronic format   |  |  |  |  | Please provide an answer in the Submitted column! |
| 664 | V.G.2.      | If a landfill will manage ignitable or reactive wastes, as indicated in Table V.G.1, include the requirements of 264.17 & 264.312 in the engineering report  | 264.312  |  |  |  | Please provide an answer in the Submitted column! |
| 665 | V.G.3.      | If a landfill will manage incompatible wastes, as indicated in Table V.G.1, include the requirements of 264.17 and 264.313 in the engineering report   | 264.313  |  |  |  | Please provide an answer in the Submitted column! |
| 666 | V.G.4.      | If a landfill will manage FO20, FO21, FO22, FO23, FO26, & FO27, as indicated in Table V.F.1, include the requirements of 264.317 in the engineering report   | 264.317  |  |  |  | Please provide an answer in the Submitted column! |
| 667 | V.G.5.      | Describe the landfill, including a plan view and cross-section   |  |  |  |  | Please provide an answer in the Submitted column! |
| 668 | V.G.6.      | Describe containment system:   | TCEQ Tech Guideline #6; EPA Publications 530-SW-85-014, 625/4-89-022, and SW-869 |  |  |  | Please provide an answer in the Submitted column! |
| 669 | V.G.6.a.    | Complete and submit Tables V.G.3 - Landfill Liner System and V.G.4 - Landfill Leachate Collection System in hard copy and editable electronic format   |  |  |  |  | Please provide an answer in the Submitted column! |
| 670 | V.G.6.b.    | Describe the liners and leachate collection system:  |  |  |  |  | Please provide an answer in the Submitted column! |

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| 671 | V.G.6.b.~.a.  | Analysis for artificial liners:  | EPA Publications 530-SW-85-014, 625/4-89-022, and SW-869 |  |  |  | Please provide an answer in the Submitted column! |
| 672 | V.G.6.b.1.    | Seaming method   |  |  |  |  | Please provide an answer in the Submitted column! |
| 673 | V.G.6.b.2.    | Surface preparation method   |  |  |  |  | Please provide an answer in the Submitted column! |
| 674 | V.G.6.b.3.    | Tensile strength   |  |  |  |  | Please provide an answer in the Submitted column! |
| 675 | V.G.6.b.4.    | Impact resistance  |  |  |  |  | Please provide an answer in the Submitted column! |
| 676 | V.G.6.b.5.    | Compatibility demonstration  |  |  |  |  | Please provide an answer in the Submitted column! |
| 677 | V.G.6.b.6.    | Foundation design  |  |  |  |  | Please provide an answer in the Submitted column! |
| 678 | V.G.6.b.~.b.  | Analysis for soil liners:  | EPA Publications 530-SW-85-014, 625/4-89-022, and SW-869 |  |  |  | Please provide an answer in the Submitted column! |
| 679 | V.G.6.b.7.    | Waste migration analysis   |  |  |  |  | Please provide an answer in the Submitted column! |
| 680 | V.G.6.b.8.    | Atterberg limits, % passing a # 200 sieve, permeability  |  |  |  |  | Please provide an answer in the Submitted column! |
| 681 | V.G.6.b.9.    | Moisture content   |  |  |  |  | Please provide an answer in the Submitted column! |
| 682 | V.G.6.b.10.   | Standard proctor density, compaction data  |  |  |  |  | Please provide an answer in the Submitted column! |
| 683 | V.G.6.b.~.c.  | Analysis for leachate collection system:   |  |  |  |  | Please provide an answer in the Submitted column! |
| 684 | V.G.6.b.11.   | Capacity of the system - Address:  |  |  |  |  | Please provide an answer in the Submitted column! |
| 685 | V.G.6.b.11.a. | Rate of leachate removal   |  |  |  |  | Please provide an answer in the Submitted column! |
| 686 | V.G.6.b.11.b. | Capacity of sumps  |  |  |  |  | Please provide an answer in the Submitted column! |
| 687 | V.G.6.b.11.c. | Thickness of mounding and maximum hydraulic  |  |  |  |  | Please provide an answer in the Submitted column! |
| 688 | V.G.6.b.12.   | Pipe material strength   |  |  |  |  | Please provide an answer in the Submitted column! |
| 689 | V.G.6.b.13.   | Pipe network spacing and grading   |  |  |  |  | Please provide an answer in the Submitted column! |
| 690 | V.G.6.b.14.   | Collection sump material and strength  |  |  |  |  | Please provide an answer in the Submitted column! |
| 691 | V.G.6.b.15.   | Drainage media specifications and performance  |  |  |  |  | Please provide an answer in the Submitted column! |
| 692 | V.G.6.b.16.   | Analysis showing that pipe and pipe perforation size will prevent clogging and allow free liquid access to the pipe  |  |  |  |  | Please provide an answer in the Submitted column! |
| 693 | V.G.6.b.17.   | Compatibility demonstration  |  |  |  |  | Please provide an answer in the Submitted column! |
| 694 | V.G.6.c.      | If liner system and leachate collection components are chemically resistant to wastes, submit tests and documentation  |  |  |  |  | Please provide an answer in the Submitted column! |
| 695 | V.G.6.d.      | Provide QA/QC plan   |  |  |  |  | Please provide an answer in the Submitted column! |
| 696 | V.G.6.e.      | Whether the leachate collection components are chemically resistant to the waste and how this resistance was determined. Attach any tests or documentation to the engineering report                                   |  |  |  |  | Please provide an answer in the Submitted column! |
| 697 | V.G.6.f.      | Provide a Response Action Plan that proposes actions to be taken in the case of exceedance of the landfill Action Leakage Rate. At a minimum, the Response Action Plan must include the requirements of 40 CFR 264.304 | 264.304  |  |  |  | Please provide an answer in the Submitted column! |
| 698 | V.G.7.        | Provide for Dikes:   | EPA Publications 625/4-89-022 and SW-869                 |  |  |  | Please provide an answer in the Submitted column! |
| 699 | V.G.7.a.      | Slope stability analysis   |  |  |  |  | Please provide an answer in the Submitted column! |
| 700 | V.G.7.b.      | Hydrostatic and hydrodynamic analyses  |  |  |  |  | Please provide an answer in the Submitted column! |
| 701 | V.G.7.c.      | Ability to withstand scouring from leaky liner, etc.   |  |  |  |  | Please provide an answer in the Submitted column! |
| 702 | V.G.8.        | For newly regulated units, lateral expansions or replacement of existing units must meet minimum technological requirements (MTR). MTR must address:   | 335.173; 264.301   |  |  |  | Please provide an answer in the Submitted column! |
| 703 | V.G.8.a.      | Top liner migration prevention   | 264.301(c)(1)(i)(A)                                      |  |  |  | Please provide an answer in the Submitted column! |

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| 704 | V.G.8.b.     | Composite bottom liner migration prevention   | 264.301(c)(1)(i)(B)                 |  |  |  | Please provide an answer in the Submitted column! |
| 705 | V.G.8.c.     | Leachate collection and removal systems above and between liners  | 264.301(c)(2)                       |  |  |  | Please provide an answer in the Submitted column! |
| 706 | V.G.8.d.     | Leachate collection and removal systems between liners and immediately above the bottom composite liner                                 | 264.301(c)(3)                       |  |  |  | Please provide an answer in the Submitted column! |
| 707 | V.G.8.e.     | Removal of pumpable liquids   | 264.301(c)(4)                       |  |  |  | Please provide an answer in the Submitted column! |
| 708 | V.G.8.f.     | Liner system location relative to high water table  | 264.301(c)(5)                       |  |  |  | Please provide an answer in the Submitted column! |
| 709 | V.G.8.g.     | Design and operating requirements for new and existing liner systems:   | 335.173; 264.301                    |  |  |  | Please provide an answer in the Submitted column! |
| 710 | V.G.8.g.1.   | Liner must be constructed of materials that prevent wastes passing into the liner during the active life of the facility                | 335.173(a)(1)                       |  |  |  | Please provide an answer in the Submitted column! |
| 711 | V.G.8.g.2.   | Materials have appropriate chemical properties and sufficient strength and thickness to prevent failure due to:                         | 335.173(a)(1)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 712 | V.G.8.g.2.a. | Pressure gradients (including static head and external hydrogeologic forces)  | 335.173(a)(1)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 713 | V.G.8.g.2.b. | Physical contact with waste or leachate   | 335.173(a)(1)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 714 | V.G.8.g.2.c. | Climate conditions  | 335.173(a)(1)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 715 | V.G.8.g.2.d. | Stress of installation and daily operation  | 335.173(a)(1)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 716 | V.G.8.g.3.a. | Liner system foundation   | 335.173(a)(1)(B)                    |  |  |  | Please provide an answer in the Submitted column! |
| 717 | V.G.8.g.3.b. | Liner system coverage   | 335.173(a)(1)(C)                    |  |  |  | Please provide an answer in the Submitted column! |
| 718 | V.G.8.g.4.a. | Bottom liner migration prevention   | 335.173(a)(2)(A)                    |  |  |  | Please provide an answer in the Submitted column! |
| 719 | V.G.8.g.4.b. | Minimize rate of migration of wastes out of landfill  | 335.173(a)(2)(B)                    |  |  |  | Please provide an answer in the Submitted column! |
| 720 | V.G.8.g.5.a. | Leachate collection and removal systems above top liner   | 335.173(a)(3)                       |  |  |  | Please provide an answer in the Submitted column! |
| 721 | V.G.8.g.5.b. | Conditions that ensure leachate depth will not exceed 30 cm (1ft.)  | 335.173(a)(3);<br>264.301(c)(3)(ii) |  |  |  | Please provide an answer in the Submitted column! |
| 722 | V.G.8.g.5.c. | Construction of materials that are chemically resistant to waste and leachate   | 335.173(a)(3)(A)(i)                 |  |  |  | Please provide an answer in the Submitted column! |
| 723 | V.G.8.g.5.d. | Materials strength and thickness  | 335.173(a)(3)(A)(ii)                |  |  |  | Please provide an answer in the Submitted column! |
| 724 | V.G.8.g.5.e. | Design and operation to prevent clogging  | 335.173(a)(3)(B)                    |  |  |  | Please provide an answer in the Submitted column! |
| 725 | V.G.8.g.6.   | Liner system exemption requests;  | 335.173(b)                          |  |  |  | Please provide an answer in the Submitted column! |
| 726 | V.G.8.g.7.   | Exemption based on existing portion   | 335.173(d)                          |  |  |  | Please provide an answer in the Submitted column! |
| 727 | V.G.8.g.8.   | Exemption for monofills   | 335.173(e); 264.301(e)              |  |  |  | Please provide an answer in the Submitted column! |
| 728 | V.G.9.       | Provide Site Development Plan, including:   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 729 | V.G.9.a.     | Method and rate of waste deposition   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 730 | V.G.9.b.     | Waste segregation   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 731 | V.G.9.c.     | Average and maximum lift size   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 732 | V.G.9.d.     | Average and maximum cell and trench size  |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 733 | V.G.10.      | Describe Run-on controls, including:  |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 734 | V.G.10.~1.   | Design, construction, operation and maintenance of run-on control system  | 335.173(g); 264.301(g)              |  |  |  | Please provide an answer in the Submitted column! |
| 735 | V.G.10.~2.   | Collection and holding facilities managed expeditiously   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 736 | V.G.10.a.    | Run-on volume and depth calculations resulting from 100-yr, 24-hr storm   | 335.173(g)                          |  |  |  | Please provide an answer in the Submitted column! |
| 737 | V.G.10.b.    | Back-water calculations (for ditches on plant property)   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 738 | V.G.11.      | Describe Run-off Controls, including:   |                                     |  |  |  | Please provide an answer in the Submitted column! |
| 739 | V.G.11.a.    | Design, construction, operation and maintenance of run-off control system   | 335.173(h); 264.301(h)              |  |  |  | Please provide an answer in the Submitted column! |
| 740 | V.G.11.b.    | System collects and controls run-off volume resulting from 100-yr, 24-hr storm  | 335.173(h)                          |  |  |  | Please provide an answer in the Submitted column! |
| 741 | V.G.12.      | Describe practices of wind dispersal system controls  | 335.173(j); 264.301(j)              |  |  |  | Please provide an answer in the Submitted column! |
| 742 | V.G.13.      | Liquid wastes: Provide supporting documentation showing that an appropriate stabilization procedures, etc. were used for the following: | 264.314                             |  |  |  | Please provide an answer in the Submitted column! |
| 743 | V.G.13.a.    | Bulk or containerized free liquids  | 335.175(a-b); 264.314(a-b)          |  |  |  | Please provide an answer in the Submitted column! |

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| 744 | V.G.13.b.   | Placement of any liquid waste which is not a hazardous waste in a landfill   | 335.175(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 745 | V.G.13.c.   | Containers holding free liquids:   | 335.173(d)   |  |  |  | Please provide an answer in the Submitted column! |
| 746 | V.G.13.c.1. | Restriction to small containers (e.g. ampule)  | 335.173(d)(1)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 747 | V.G.13.c.2. | Non-storage containers(e.g. battery or capacitor)  | 335.175(d)(2)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 748 | V.G.13.c.3. | Labpack containers   | 335.175(d)(3)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 749 | V.G.14.     | If providing an alternate design or operating practices, demonstrate the following:  | 335.175(d); 264.301(d)                             |  |  |  | Please provide an answer in the Submitted column! |
| 750 | V.G.14.a.   | Will prevent migration of hazardous constituents into the groundwater  |  |  |  |  | Please provide an answer in the Submitted column! |
| 751 | V.G.14.b.   | Will allow detection of leaks of hazardous constituents through the top liner at least as effectively  |  |  |  |  | Please provide an answer in the Submitted column! |
| 752 | V.G.15.     | If seeking an exemption from double-liner requirements for monofills, provide the following:   | 264.301(e)   |  |  |  | Please provide an answer in the Submitted column! |
| 753 | V.G.15.a.   | Alternative design and operation   | 335.173(b)   |  |  |  | Please provide an answer in the Submitted column! |
| 754 | V.G.15.b.   | Nature and quantity of wastes  | 335.173(b)(1)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 755 | V.G.15.c.   | Proposed alternate design and operation  | 335.173(b)(2)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 756 | V.G.15.d.   | Hydrogeologic setting , including liners and soils   | 335.173(b)(3)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 757 | V.G.15.e.   | All other factors which would influence the quality and mobility of leachate produced  |  |  |  |  | Please provide an answer in the Submitted column! |
| 758 | V.G.16.     | Above-grade benefits: Provide benefits, costs, adverse effects associated with above-grade construction  | 361.108 (TX Health & Safety Code)                  |  |  |  | Please provide an answer in the Submitted column! |
| 759 | V.G.17.     | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number                    | 305.50(a)(7)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 760 | V.H.        | <b>Incinerators</b>  | 305 Subchapter I;<br>335.152(a)(13); 264 subpart O |  |  |  |   |
| 761 | V.H.1.      | Complete and submit Table V.H.1 - Incinerators in hard copy and editable electronic format   | 270.19; 270.62                                     |  |  |  | Please provide an answer in the Submitted column! |
| 762 | V.H.2.      | Complete and submit Table V.H.2 - Incinerator Permit Conditions, Monitoring, and Automatic Waste Feed Cutoff Systems in hard copy and editable electronic format   |  |  |  |  | Please provide an answer in the Submitted column! |
| 763 | V.H.3.      | Complete and submit Table V.H.3 - Maximum Constituent Feed Rates in hard copy and editable electronic format   |  |  |  |  | Please provide an answer in the Submitted column! |
| 764 | V.H.4.      | Complete and submit Table V.H.4 - Maximum Allowable Emission Rates in hard copy and editable electronic format   |  |  |  |  | Please provide an answer in the Submitted column! |
| 765 | V.H.5.      | Complete and submit Table V.H.5 - Incinerator Permit Conditions, Monitoring, and Automatic Waste Feed Cutoff Systems - Short-Term Operation during shakedown period, trial burn period and period after completion of initial trial burn |  |  |  |  | Please provide an answer in the Submitted column! |
| 766 | V.H.6.      | Describe precautions taken for management of reactive and/or incompatible wastes   | 264.17   |  |  |  | Please provide an answer in the Submitted column! |
| 767 | V.H.7.      | If incinerator manages FO20, FO21, FO22, FO23, FO26, or FO27, the DRE requirement is 99.9999%  | 264.343(a)(2)                                      |  |  |  |   |

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| 768 | V.H.8.        | For trial burn, one or more of Appendix VIII organic compounds present in waste must be designated as POHC. Selection based on concentration in waste feed and degree of difficulty to incinerate. Complete and submit Table V.H.8 - Principal Organic Hazardous Constituents in hard copy and editable electronic format |  |  |  |  | Please provide an answer in the Submitted column! |
| 769 | V.H.9.        | Submit QA/QC Plan for sampling, analysis and monitoring for trail burn  |  |  |  |  | Please provide an answer in the Submitted column! |
| 770 | V.H.10.       | Integration with MACT Standards Minimization of emissions from startup, shutdown, and malfunction events for permitted units, identify the following if applicable:   | 305.175-176; 270.235   |  |  |  | Please provide an answer in the Submitted column! |
| 771 | V.H.10.a.     | Retain relevant permit conditions   | 270.235(a)(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 772 | V.H.10.b.     | Revise relevant permit conditions   | 270.235(a)(ii)   |  |  |  | Please provide an answer in the Submitted column! |
| 773 | V.H.10.c.     | Remove permit conditions with approved plan documentation   | 270.235(a)(iii)  |  |  |  | Please provide an answer in the Submitted column! |
| 774 | V.H.11.       | INCINERATOR TRIAL BURN PLAN:  | No Letter = Common D=DILO (Data In Lieu of Testing)                  |  |  |  |   |
| 775 | V.H.11.a.     | TRIAL BURN PLAN REQUIREMENTS: Provide information describing the plans for the test that demonstrates the following requirements:   | 305.172/305.175 (New);<br>270.62/305.174/305.175 (Existing)          |  |  |  |   |
| 776 | V.H.11.a.1.   | Incinerator engineering description:  | 305.172(2)(B);<br>270.62(b)(2)(ii);<br>D:270.19(c)(2)                |  |  |  | Please provide an answer in the Submitted column! |
| 777 | V.H.11.a.1.a. | Manufacturer's name and model number of the incinerator   | 305.172(2)(B)(i);<br>270.62(b)(2)(ii)(A);<br>D:270.19(c)(2)(i)       |  |  |  | Please provide an answer in the Submitted column! |
| 778 | V.H.11.a.1.b. | Type of incinerator   | 305.172(2)(B)(ii);<br>270.62(b)(2)(ii)(B);<br>D:270.19(c)(2)(ii)     |  |  |  | Please provide an answer in the Submitted column! |
| 779 | V.H.11.a.1.c. | Linear dimensions including cross sectional area of combustion chamber  | 305.172(2)(B)(iii);<br>270.62(b)(2)(ii)(C);<br>D:270.19(c)(2)(iii)   |  |  |  | Please provide an answer in the Submitted column! |
| 780 | V.H.11.a.1.d. | Description of auxiliary fuel supply, type/feed, max and typical rate, and heat value   | 305.172(2)(B)(iv);<br>270.62(b)(2)(ii)(D);<br>D:270.19(c)(2)(iv)     |  |  |  | Please provide an answer in the Submitted column! |
| 781 | V.H.11.a.1.e. | Capacity of prime combustion air mover(s)   | 305.172(2)(B)(v);<br>270.62(b)(2)(ii)(E);<br>D:270.19(c)(2)(v)       |  |  |  | Please provide an answer in the Submitted column! |
| 782 | V.H.11.a.1.f. | Description of automatic waste feed cutoff system, cut off values, instrumentation with instrument range and accuracy   | 305.172(2)(B)(vi);<br>270.62(b)(2)(ii)(F);<br>D:270.19(c)(2)(vi)     |  |  |  | Please provide an answer in the Submitted column! |
| 783 | V.H.11.a.1.g. | Stack gas monitoring and pollution control equipment monitoring system with instrument range and accuracy   | 305.172(2)(B)(vii);<br>270.62(b)(2)(ii)(G);<br>D:270.19(c)(2)(vii)   |  |  |  | Please provide an answer in the Submitted column! |
| 784 | V.H.11.a.1.h. | Nozzle, injector. and burner design   | 305.172(2)(B)(viii);<br>270.62(b)(2)(ii)(H);<br>D:270.19(c)(2)(viii) |  |  |  | Please provide an answer in the Submitted column! |



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| 785 | V.H.11.a.1.i. | Construction material   | 305.172(2)(B)(ix);<br>270.62(b)(2)(ii)(I);<br>D:270.19(c)(2)(ix)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 786 | V.H.11.a.1.j. | Location and description of temperature, pressure, and flow indicating and control devices with instrument range and accuracy   | 305.172(2)(B)(x);<br>270.62(b)(2)(ii)(J);<br>D:270.19(c)(2)(x)  |  |  |  | Please provide an answer in the Submitted column! |
| 787 | V.H.11.a.1.k. | Emergency shutdown procedures   | 305.172(2)(B)(vi) and (2)(G);<br>270.62(b)(2)(vii)  |  |  |  | Please provide an answer in the Submitted column! |
| 788 | V.H.11.a.2.   | Description of air pollution control equipment operation and control  | 305.172(2)(F);<br>270.62(b)(7)(vi)  |  |  |  | Please provide an answer in the Submitted column! |
| 789 | V.H.11.a.3.   | Identification of fugitive emission source, location, emission rate, and their means of control 40 CFR 264.345(d)   | 305.172(2)(H) and<br>305.172(7)(G);<br>270.62(b)(2)(viii) and<br>270.62(b)(7)(vii);<br>D:270.19(c)(7) |  |  |  | Please provide an answer in the Submitted column! |
| 790 | V.H.11.a.4.   | Analysis of each waste or mixture of wastes:  | 305.172(2)(A);<br>270.62(b)(2)(i);<br>D:270.19(c)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 791 | V.H.11.a.4.a. | Waste heat value  | 305.172(2)(A)(i);<br>270.62(b)(2)(i)(A);<br>270.19(c)(1)(i)   |  |  |  | Please provide an answer in the Submitted column! |
| 792 | V.H.11.a.4.b. | Levels of antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, silver, thallium, all metals routinely detected by EPA Method used, total chlorine/chloride, and ash  | 305.172(2)(H);<br>270.62(b)(2)(viii);<br>D:270.19(c)(7)   |  |  |  | Please provide an answer in the Submitted column! |
| 793 | V.H.11.a.4.c. | Viscosity (if applicable) or description of physical form of waste feed stream  | 305.172(2)(A)(ii);<br>270.62(b)(2)(i)(B);<br>D:270.19(c)(1)(ii)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 794 | V.H.11.a.4.d. | Identification of any hazardous constituents listed in Part261 appendix VIII  | 305.172(2)(A)(iii);<br>270.62(b)(2)(i)(C);<br>D:270.19(c)(1)(iii)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 795 | V.H.11.a.4.e. | Approximate quantification of all hazardous constituents  | 305.172(2)(A)(iv);<br>270.62(b)(2)(i)(D);<br>D:270.19(c)(1)(iv)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 796 | V.H.11.a.4.f. | POHC selection  | 305.172(4); 270.62(b)(4);<br>D:270.19(c)(1)(v)  |  |  |  | Please provide an answer in the Submitted column! |
| 797 | V.H.11.a.5.   | Sampling analysis, and monitoring procedures, locations, equipment description, frequency, and procedures   | 305.172(2)(C);<br>270.62(b)(2)(iii);<br>D:270.19(c)(2)(x)   |  |  |  | Please provide an answer in the Submitted column! |
| 798 | V.H.11.a.6.   | Detailed trial burn schedule including dates, duration, quantity of waste to be burned, and other factors   | 305.172(2)(D);<br>270.62(b)(2)(iv)  |  |  |  | Please provide an answer in the Submitted column! |
| 799 | V.H.11.a.7.   | Detailed test protocol table with column for each test condition containing detailed test conditions for each waste stream, operating temperatures, each waste feed rate, combustion gas velocity, use of auxiliary fuel, and other relevant parameter.<br>Historical justification of Trial Burn test conditions | 305.172(2)(E); 270.62(b)(2)(v)  |  |  |  | Please provide an answer in the Submitted column! |

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| 800 | V.H.11.a.8.  | Other Information including, but not limited to, Engineering Drawings including incinerator, air pollution control devices, sampling protocols and access, PFD, PI&D, elevations and plan views, piping, containment, vessels, specifications, and calculations appropriately sealed | 305.172(2)(H);<br>270.62(b)(2)(viii);<br>D:270.19(c)(7)                               |  |  |  | Please provide an answer in the Submitted column! |
| 801 | V.H.11.b.    | TYPICAL AND MAXIMUM FLOW RATE OF EACH WASTE STREAM   | 305.172(2)(H);<br>270.62(b)(2)(viii);<br>D:270.19(c)(7)                               |  |  |  | Please provide an answer in the Submitted column! |
| 802 | V.H.11.c.    | DATA OBJECTIVES FOR TRIAL BURN:  |   |  |  |  |   |
| 803 | V.H.11.c.1.  | Quantitative analysis of POHCs in waste feed to incinerator  | 305.172(7)(A);<br>270.62(b)(7)(i);<br>D:270.19(c)(8)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 804 | V.H.11.c.2.  | Quantitative analysis of metals in feed streams, hazardous waste, and other fuels  | 270.66(f)(1) (by procedure);<br>D:270.19(c)(7)  |  |  |  | Please provide an answer in the Submitted column! |
| 805 | V.H.11.c.3.  | Quantitative analysis of exhaust gas for POHCs, O <sub>2</sub> , & HCl, metals, and chlorine   | 305.172(7)(B);<br>270.62(b)(7)(ii); 270.66(f)(4)<br>(by procedure);<br>D:270.19(c)(5) |  |  |  | Please provide an answer in the Submitted column! |
| 806 | V.H.11.c.4.  | Quantitative analysis of scrubber water (if used), ash residue, and other residues for fate of POHCs   | 305.172(7)(C);<br>270.62(b)(7)(iii)   |  |  |  | Please provide an answer in the Submitted column! |
| 807 | V.H.11.c.5.  | Computation of DRE per 40 CFR 264.343(b)   | 305.172(7)(D);<br>270.62(b)(7)(iv);<br>D:270.19(c)(5)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 808 | V.H.11.c.6.  | Computation of HCl removal efficiency per 40 CFR 264.343(b)  | 305.172(7)(E);<br>270.62(b)(7)(v);<br>D:270.19(c)(5) and (6)(vii)                     |  |  |  | Please provide an answer in the Submitted column! |
| 809 | V.H.11.c.7.  | Computation of PM per 40 CFR 264.343('c)   | 305.172(7)(F);<br>270.62(b)(7)(vi);<br>D:270.19(c)(5)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 810 | V.H.11.c.8.  | Measurement of average, maximum, and minimum temperatures and combustion gas velocity  | 305.172(7)(H);<br>270.62(b)(7)(viii);<br>D:270.19(c)(6)(v) and (c)(5)                 |  |  |  | Please provide an answer in the Submitted column! |
| 811 | V.H.11.c.9.  | Continuous measurements of CO in exhaust gas   | 305.172(7)(I);<br>270.62(b)(7)(ix);<br>D:270.19(c)(5)(ii)                             |  |  |  | Please provide an answer in the Submitted column! |
| 812 | V.H.11.c.10. | Other Information  | 305.172(7)(J);<br>270.62(b)(7)(x);<br>D:270.19(c)(7)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 813 | V.H.11.d.    | PERFORMANCE STANDARDS:   |   |  |  |  |   |
| 814 | V.H.11.d.1.  | Incinerator burning HW must achieve a DRE of 99.99% for each POHC  | 264.343(a)(1)   |  |  |  | Please provide an answer in the Submitted column! |
| 815 | V.H.11.d.2.  | An incinerator burning HW FO20, FO21, FO22, FO23, FO26, or FO27 must achieve a DRE of 99.9999% for each POHC   | 264.343(a)(2)   |  |  |  | Please provide an answer in the Submitted column! |
| 816 | V.H.11.d.3.  | An incinerator burning HW and producing stack emissions of more than 1.8 kg/hr. (4lbs/hr.) of HCl must control HCl emissions if 1.8 kg/hr. or 1% of HCl in the stack gas prior to entering any pollution control equipment   | 264.343(b)  |  |  |  | Please provide an answer in the Submitted column! |

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| 817 | V.H.11.d.4.   | An incinerator burning HW must not emit particulate matter in excess of 180 milligrams per dry standard cubic meter(0.08 grains per dry standard cubic foot) when corrected for the amount of O2 in the stack gas | 264.343(c)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 818 | V.H.11.e.     | METALS EMISSIONS CONTROLS:  | By Guidance/Procedure apply 266.106 and 270.22 |  |  |  |   |
| 819 | V.H.11.e.1.   | Tier 1 feed rate screening limits for metals are specified in Part 266 Appendix I as a function of TESH, Terrain type and land use - No test required:  | 266.106(b); 270.22(a)(3)                       |  |  |  | Please provide an answer in the Submitted column! |
| 820 | V.H.11.e.1.a. | Noncarcinogenic metals in all feed streams (HW, fuel, and industrial furnace feed stock)  | 266.106(b)(1); 270.22(a)(3)(i-iii)             |  |  |  | Please provide an answer in the Submitted column! |
| 821 | V.H.11.e.1.b. | Carcinogenic metals in all fee streams HW, fuel, and industrial furnace feed stock  | 266.106(b)(2)(i-ii); 270.22(a)(3)(i-iii)       |  |  |  | Please provide an answer in the Submitted column! |
| 822 | V.H.11.e.1.c. | Terrain-adjusted effective stack height (TESH)determined  | 266.106(b)(3)(i-iii); 270.22(a)(3)(iv)         |  |  |  | Please provide an answer in the Submitted column! |
| 823 | V.H.11.e.1.d. | Terrain type- Non-complex or Complex  | 266.106(b)(4); 270.22(a)(3)(iv)                |  |  |  | Please provide an answer in the Submitted column! |
| 824 | V.H.11.e.1.e. | Land use - urban or rural   | 266.106(b)(5); 270.22(a)(3)(iv)                |  |  |  | Please provide an answer in the Submitted column! |
| 825 | V.H.11.e.1.f. | Multiple Stacks - all emissions form calculated worst-case stack  | 266.106(b)(6); 270.22(a)(3)(v)                 |  |  |  | Please provide an answer in the Submitted column! |
| 826 | V.H.11.e.1.g. | Eligible for Tier I   | 266.106(b)(7); 270.22(a)(3)(vi)                |  |  |  | Please provide an answer in the Submitted column! |
| 827 | V.H.11.e.1.h. | Metals feed rate monitoring   | 266.106(b)(8); 270.22(a)(3)(i-iii) & (vii)     |  |  |  | Please provide an answer in the Submitted column! |
| 828 | V.H.11.e.2.   | Tier II emissions rate screening limits for metals are specified in Part 266 Appendix I as a function of: TESH, terrain type, and land use. Test required:  | 266.106(c); 270.22(a)(1); 270.66               |  |  |  | Please provide an answer in the Submitted column! |
| 829 | V.H.11.e.2.a. | Noncarcinogenic metals  | 266.106(c)(1)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 830 | V.H.11.e.2.b. | Carcinogenic metals   | 266.106(c)(2)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 831 | V.H.11.e.2.c. | Emissions rate limits must be implemented by limiting feed rates of metals to trial burn levels, total feed rate per 266.102(e)(6)  | 266.106(c)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 832 | V.H.11.e.2.d. | Terrain-adjusted effective stack height, good engineering practice stack height, terrain type, land use, and eligibility criteria in 266.106(b) apply   | 266.106(c)(4)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 833 | V.H.11.e.2.e. | Multiple stacks - all emissions from calculated worst-case stack  | 266.106(c)(5)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 834 | V.H.11.e.3.   | Tier III and Adjusted Tier I site-specific risk assessment - Test required:   | 206.106(d); 270.22(a)(1); 270.66               |  |  |  | Please provide an answer in the Submitted column! |
| 835 | V.H.11.e.3.a. | Metals and controls must be demonstrated by testing using air dispersion modeling to predict the maximum annual average off-site ground level concentration and that acceptable ambient levels are not exceeded   | 266.106(d)(1)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 836 | V.H.11.e.3.b. | Acceptable ambient levels listed in Part 266 Appendices IV and V  | 266.106(d)(2)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 837 | V.H.11.e.3.c. | Carcinogenic metals - the sum of the ratios of the predicted maximum and annual average off-site ground level concentration to RSDs shall not exceed 1.0  | 266.106(d)(3)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 838 | V.H.11.e.3.d. | Noncarcinogenic metals - The predicted maximum annual average off-site ground level concentration or each metal shall not exceed the RAC  | 266.106(d)(4)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 839 | V.H.11.e.3.e. | Multiple stacks- Must perform emissions testing and dispersion modeling to demonstrate aggregate emissions from all stacks do not exceed acceptable ambient levels  | 266.106(d)(5)                                  |  |  |  | Please provide an answer in the Submitted column! |

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| 840 | V.H.11.e.3.f. | Feed rate limits set to levels during trial burn or compliance testing   | 266.106(d)(6)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 841 | V.H.11.e.4.   | Adjusted Tier 1 feed rate screening limits - Determined using Part 266 Appendix 1 screening limit and site-specific dispersion modeling. No test required  | 266.106(e); 270.22(a)(3)                       |  |  |  | Please provide an answer in the Submitted column! |
| 842 | V.H.11.e.5.   | Alternative Tier II or III implementation approaches   | 266.106(f); 270.22(c)                          |  |  |  | Please provide an answer in the Submitted column! |
| 843 | V.H.11.e.6.   | Emission testing for metals shall be conducted using the Multiple Metals Train as described in Part 266 Appendix IX:   | 266.106(g)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 844 | V.H.11.e.6.a. | Metal testing shall be conducted using Method 0060   | 266.106(g)(1)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 845 | V.H.11.e.6.b. | Hexavalent Chromium – Chromium Emissions are assumed to be hexavalent chromium unless emission testing is conducted using Method 0061  | 266.106(g)(2)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 846 | V.H.11.e.7.   | Dispersion modeling methods required under this section  | 266.106(h)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 847 | V.H.11.f.     | HCl & Cl2 EMISSIONS STANDARDS:   | By Guidance/Procedure apply 266.107 and 270.22 |  |  |  |   |
| 848 | V.H.11.f.1.   | Tier 1 feed rate screening limits - Feed rate screening limits specified in Part 266 Appendix II as a function of TESH, Terrain type, and land use - Analysis required: Feed rate of total chlorine and chloride, organic and inorganic, in HW, fuels and industrial furnace feed stocks | 266.107(b)(1); 270.22(a)(5); D:270.22(a)(6)    |  |  |  | Please provide an answer in the Submitted column! |
| 849 | V.H.11.f.2.   | Tier II emissions rate screening limits - Emission rate screening limits specified in Part 266, Appendix III as a function of TESH, Terrain type, and land use - emission test required  | 266.107(b)(2); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 850 | V.H.11.f.3.   | Terrain-adjusted effective stack height, good engineering practice stack height, terrain type, land use, and eligibility criteria in 266.106(b) apply  | 266.107(b)(3); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 851 | V.H.11.f.4.   | Multiple stacks - If more than one on-site stack from a BIF, the incinerator or other treatment unit is subject to control HCl and Cl2 under RCRA permit or interim status and must comply with Tier I and II screening limits   | 266.107(b)(4); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 852 | V.H.11.f.5.   | Tier III Site - Specific Risk Assessments - Emissions test required:   | 266.107(c)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 853 | V.H.11.f.5.a. | Emission rate for HCl and Cl2 - demonstrated by using air dispersion modeling to predict the maximum annual average off-site ground level concentration for HCl and Cl2 and demonstrate that acceptable ambient levels are not exceeded  | 266.107(c)(1); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 854 | V.H.11.f.5.b. | Acceptable ambient levels are listed in Part 266 Appendix IV for HCl and Cl2   | 266.106(c)(2); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 855 | V.H.11.f.5.c. | MULTIPLE STACKS - must demonstrate that aggregate emissions for all on-site stacks do not exceed acceptable ambient levels   | 266.107(c)(3); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 856 | V.H.11.f.6.   | Averaging periods defined in 266.102(e)(6)   | 266.107(d); D:270.22(a)(6)                     |  |  |  | Please provide an answer in the Submitted column! |
| 857 | V.H.11.f.7.   | Adjusted Tier 1 feed rate screening limits - No test required  | 266.107(e); D:270.22(a)(6)                     |  |  |  | Please provide an answer in the Submitted column! |
| 858 | V.H.11.f.8.   | Emission testing - HCl and Cl2 sampling shall be conducted using the procedures described in Methods 0050 or 0051  | 266.107(f); D:270.22(a)(6)                     |  |  |  | Please provide an answer in the Submitted column! |
| 859 | V.H.11.f.9.   | Dispersion modeling per 40 CFR 266.106(h)  | 266.107(g)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 860 | V.H.11.g.     | QA/QC PLAN   | Guidance                                       |  |  |  | Please provide an answer in the Submitted column! |
| 861 | V.H.11.h.     | PROVIDE INFORMATION REGARDING ADDITIONAL DATA REQUIRED FOR DATA IN LIEU OF TESTING (DILO):   | 270.19(c)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 862 | V.H.11.h.1.   | Waste Description and analysis comparisons   | 270.19(c)(4)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 863 | V.H.11.h.2.   | Incinerator and pollution control design and operation condition comparison including firebox, burners/injectors, incinerator, air pollution control device and operation, and sampling port and process measurement locations   | 270.19(c)(4)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 864 | V.H.11.h.3.   | Previous trial burn results:   | 270.19(c)(5)                                   |  |  |  | Please provide an answer in the Submitted column! |

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| 865 | V.H.11.h.3.a. | Sampling and analysis methods   | 270.19(c)(5)(i)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 866 | V.H.11.h.3.b. | Methods and results of monitoring   | 270.19(c)(5)(ii)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 867 | V.H.11.h.4.   | Expected incinerator operation comparison   | 270.19(c)(6)  |  |  |  | Please provide an answer in the Submitted column! |
| 868 | V.H.11.h.5.   | Data from comparable facility or unit and Supplemental Information  | 270.19(c)(7)  |  |  |  | Please provide an answer in the Submitted column! |
| 869 | V.H.11.h.     | Provide QA/QC information for data validation, including chromatograms, Chain of Custody, sample preservation records, laboratory notes, etc.   | 305.172(7)(J); EPA Publication SW-846; D:270.19(c)(7) |  |  |  | Please provide an answer in the Submitted column! |
| 870 | V.H.11.h.     | Other Information for comparison including, but not limited to engineering drawings for incinerator, air pollution control devices, sampling ports and access, PI&D, elevations, and plan views, all sealed, signed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 305.172(7)(J); D:270.19(c)(7)                         |  |  |  | Please provide an answer in the Submitted column! |
| 871 | V.I.          | <b>Boilers and Industrial Furnaces</b>  | 335.221-225; 266 subpart H                            |  |  |  |   |
| 872 | V.I.1.        | Complete and submit Table V.I.1 - Boilers and Industrial Furnaces in hard copy and editable electronic format   | 270.22; 270.66  |  |  |  | Please provide an answer in the Submitted column! |
| 873 | V.I.2.        | Complete and submit Table V.I.2 - Boiler and Industrial Furnace Permit Conditions, Monitoring, and Automatic Feed Cutoff Systems in hard copy and editable electronic format  |   |  |  |  | Please provide an answer in the Submitted column! |
| 874 | V.I.3.        | Complete and submit Table V.I.3 - Maximum Constituent Feed Rates in hard copy and editable electronic format  |   |  |  |  | Please provide an answer in the Submitted column! |
| 875 | V.I.4.        | Complete and submit Table V.I.4 - Maximum Allowable Emission Rates in hard copy and editable electronic format  |   |  |  |  | Please provide an answer in the Submitted column! |
| 876 | V.I.5.        | Complete and submit Table V.I.5 - Boiler and Industrial Furnace Permit Conditions, Monitoring, and Automatic Waste Feed Cutoff Systems - Short-Term Operation during shakedown period, trial burn period, and period after completion of the initial trial burn   |   |  |  |  | Please provide an answer in the Submitted column! |
| 877 | V.I.6.        | Describe procedures to manage reactive and/or incompatible wastes   | 264.17  |  |  |  | Please provide an answer in the Submitted column! |
| 878 | V.I.7.        | For FO20, FO21, FO22, FO23, FO26, and/or FO27 wastes the DRE is 99.9999%  | 266.104(a)(3)   |  |  |  |   |
| 879 | V.I.8.        | For trial burn, one or more of Appendix VIII organic compounds present in waste must be designated as POHC. Selection based on concentration in waste feed and degree of difficulty to incinerate. Complete and submit Table V.I.8 - Principal Organic Hazardous Constituents   | 266.104(a)(2)   |  |  |  | Please provide an answer in the Submitted column! |
| 880 | V.I.9.        | Submit QA/QC plan for all sampling, analysis, and monitoring activities for trial burn  | Guidance  |  |  |  | Please provide an answer in the Submitted column! |
| 881 | V.I.10.       | As applicable, information for facilities requesting addressing of permit conditions deferred to HWC MACT compliance  | 270.235(1)(a)(i)-(iii); 305.572(a)(6)                 |  |  |  | Please provide an answer in the Submitted column! |
| 882 | V.I.11.       | B/IF TB/RB CHECKLIST:   | No Letter = Common D = DILO (Data In Lieu of Testing) |  |  |  |   |
| 883 | V.I.11.a.     | TRIAL BURN PLAN REQUIREMENTS: Provide information describing the plans for the test that demonstrates the following requirements:   |   |  |  |  |   |
| 884 | V.I.11.a.1.   | Provide detailed engineering description of BIF:  | 270.66(c)(3); D.270.22(a)(6)                          |  |  |  | Please provide an answer in the Submitted column! |
| 885 | V.I.11.a.1.a. | Manufacturer's name and model number or the boiler or industrial furnace  | 270.66(c)(3)(i); D:270.22(a)(6)                       |  |  |  | Please provide an answer in the Submitted column! |

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| 886 | V.I.11.a.1.b. | Type of boiler or industrial furnace   | 270.66(c)(3)(ii) D:270.22(a)(6)                   |  |  |  | Please provide an answer in the Submitted column! |
| 887 | V.I.11.a.1.c. | Maximum design capacity in appropriate units   | 270.66(c)(3)(iii);<br>D:270.22(a)(6)              |  |  |  | Please provide an answer in the Submitted column! |
| 888 | V.I.11.a.1.d. | Description of hazardous waste feed system, and other fuels and feed stocks, nozzle, and injector  | 270.66(c)(3)(iv);<br>D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 889 | V.I.11.a.1.e. | Capacity of hazardous waste feed system  | 270.66(c)(3)(v) D:270.22(a)(6)                    |  |  |  | Please provide an answer in the Submitted column! |
| 890 | V.I.11.a.1.f. | Typical and maximum flow rate of each waste stream   | 270.66(c)(9); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 891 | V.I.11.a.1.g. | Description of automatic waste feed cutoff system, cut off values, instrumentation with instrument range and accuracy  | 270.66(c)(3)(vi);<br>D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 892 | V.I.11.a.1.h. | Description of any air pollution control system  | 270.66(c)(3)(vii);<br>D:270.22(a)(6)              |  |  |  | Please provide an answer in the Submitted column! |
| 893 | V.I.11.a.1.i. | Description of stack gas monitoring and pollution control monitoring systems with instrument range and accuracy  | 270.66(c)(3)(viii);<br>D:270.22(a)(6)             |  |  |  | Please provide an answer in the Submitted column! |
| 894 | V.I.11.a.1.j. | Emergency shutdown procedures  | 270.66(c)(3)(vi); 270.66(c)(8);<br>D:270.22(a)(6) |  |  |  | Please provide an answer in the Submitted column! |
| 895 | V.I.11.a.2.   | Description of air pollution control equipment operation and control, and planned operation conditions   | 270.66(c)(7); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 896 | V.I.11.a.3.   | Identification of fugitive emission source, location, and their means of control   | 270.66(f)(6); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 897 | V.I.11.a.4.   | Analysis of all and each feed stream including HW, other fuels, feed stocks:   | 270.66(c)(1); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 898 | V.I.11.a.4.a. | Heat value, levels of antimony, barium, beryllium, cadmium, chromium, lead mercury, silver, thallium, all metals routinely detected*by EPA Methods used, total chlorine/chloride, and ash  | 270.66(c)(1)(i);<br>D:270.22(a)(6)                |  |  |  | Please provide an answer in the Submitted column! |
| 899 | V.I.11.a.4.b. | Viscosity (if liquid) or description of physical form of feed stream   | 270.66(c)(1)(ii);<br>D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 900 | V.I.11.a.5.   | Analysis each HW as fired:   | 270.66(c)(2); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 901 | V.I.11.a.5.a. | Identification of any hazardous constituents listed in Appendix VIII, Part 261   | 270.66(c)(2)(i);<br>D:270.22(a)(6)                |  |  |  | Please provide an answer in the Submitted column! |
| 902 | V.I.11.a.5.b. | Approximate quantification of hazardous constituents identified, SW-846  | 270.66(c)(2)(ii);<br>D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 903 | V.I.11.a.5.c. | Description of blending procedures, analysis of blending materials, ratios (if applicable)   | 270.66(c)(2)(iii);<br>D:270.22(a)(6)              |  |  |  | Please provide an answer in the Submitted column! |
| 904 | V.I.11.a.6.   | POHC selection   | 270.66(e); D:270.22(a)(6)                         |  |  |  | Please provide an answer in the Submitted column! |
| 905 | V.I.11.a.7.   | Detailed description of sampling and monitoring procedures including locations, frequency, and planned analytical procedures   | 270.66(c)(4); D:270.22(a)(6)                      |  |  |  | Please provide an answer in the Submitted column! |
| 906 | V.I.11.a.8.   | Detailed test schedule including dates, durations, quantity of waste to be burned, and other factors:  | 270.66(c)(5)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 907 | V.I.11.a.8.a. | Table with column for each test condition containing detailed test conditions for each waste stream, operating temperatures, waste feed rate, combustion gas velocity and flow rate, use of auxiliary feed, hazardous waste feed rates, other fuel feed rates, planned operating conditions for emission control equipment, other relevant parameters, justification for test condition including historical justification, if any | 270.66(c)(6)                                      |  |  |  | Please provide an answer in the Submitted column! |

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| 908 | V.I.11.a.9.   | Other information including, but not limited to, Engineering Drawings including boiler, combustion chamber, air pollution control devices, sampling ports and access, PFD, PI&D, elevations and plan views, instrument/control measurement locations, piping containment, vessels, specifications, and calculations, all sealed as appropriate | 270.66(c)(9)                           |  |  |  | Please provide an answer in the Submitted column! |
| 909 | V.I.11.b.     | DATA OBJECTIVES FOR TRIAL BURN:  |  |  |  |  |   |
| 910 | V.I.11.b.1.   | Quantitative analysis of metals in feed streams, HW, and other fuels   | 270.66(f)(1); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 911 | V.I.11.b.2.   | DRE trial burn:  | 270.66(f)(2); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 912 | V.I.11.b.2.a. | Quantitative analysis of POHCs in waste feed to incinerator  | 270.66(f)(2)(i); D:270.22(a)(6)        |  |  |  | Please provide an answer in the Submitted column! |
| 913 | V.I.11.b.2.b. | Quantitative analysis of exhaust gas for POHCs, O2, HCl  | 270.66(f)(2)(iii);<br>D:270.22(a)(6)   |  |  |  | Please provide an answer in the Submitted column! |
| 914 | V.I.11.b.2.c. | Computation of DRE per 40 CFR 264.343(a)   | 270.66(f)(2)(iii)                      |  |  |  | Please provide an answer in the Submitted column! |
| 915 | V.I.11.b.3.   | For trial burn for chlorinated dioxins and furans - stack gas analysis for CDDs/CDFs, if applicable  | 270.66(f)(3)                           |  |  |  | Please provide an answer in the Submitted column! |
| 916 | V.I.11.b.4.   | For trial burn for particulate matter, metals, or HCl/Cl2, must provide stack gas analysis for PM, metals, or HCl/Cl2, and computations  | 270.66(f)(4); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 917 | V.I.11.b.5.   | For trial burn for DRE, metals or HCl/Cl2, must provide analysis of scrubber water (if any), ash, other residues for POHCs, metals, and HCl/Cl2, and computations  | 270.66(f)(5); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 918 | V.I.11.b.6.   | Continuous measurements of CO, O2, HC in stack gas   | 270.66(f)(7); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 919 | V.I.11.b.7.   | Permit standards for burners-emission standards  | 266.102(c); D:270.22(a)(6)             |  |  |  | Please provide an answer in the Submitted column! |
| 920 | V.I.11.c.     | STANDARDS TO CONTROL ORGANIC EMISSIONS:  | 266.104; D:270.22(a)(6)                |  |  |  |   |
| 921 | V.I.11.c.1.   | DRE standard of 99.99% for all HW constituents in the waste feed   | 266.104(a)(1);<br>D:270.22(a)(6)(i)(A) |  |  |  | Please provide an answer in the Submitted column! |
| 922 | V.I.11.c.2.   | Designation of POHCs - those compounds in compliance with the DRE requirements in a trial burn in conformance with procedures prescribed in 270.66   | 270.66(a)(2); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 923 | V.I.11.c.3.   | Dioxin listed waste-must achieve DRE of 99.999% for each POHCs as stated above   | 270.66(a)(3); D:270.22(a)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 924 | V.I.11.d.     | SPECIAL PROVISIONS FOR BOILERS:  |  |  |  |  |   |
| 925 | V.I.11.d.1.   | Automatic waiver or DRE trial burn for Boilers that operate complaint with 266.110 that do not burn HW containing (or derived from) EPA hazardous waste FO20, FO21, FO22, FO23, FO26, FO27, are considered to be in conformance with DRE standard are exempt from DRE Trial Burn   | 266.104(a)(4)                          |  |  |  | Please provide an answer in the Submitted column! |
| 926 | V.I.11.d.2.   | Low risk waste exemption for DRE operation in Compliance with 266.109(a) is considered to be in compliance with 266.104(a)(1) and are exempt from DRE Trial Burn   | 266.104(a)(5)                          |  |  |  | Please provide an answer in the Submitted column! |
| 927 | V.I.11.e.     | CARBON MONOXIDE STANDARDS:   |  |  |  |  |   |
| 928 | V.I.11.e.1.   | Stack gas cannot exceed 100 ppmv on an hourly rolling average, corrected for 7% oxygen, dry basis  | 266.104(b)(1); D:270.22(a)(6)          |  |  |  | Please provide an answer in the Submitted column! |
| 929 | V.I.11.e.2.   | Co and oxygen shall be continuously monitored in conference with part 266 Appendix IX  | 266.104(b)(2); D:270.22(a)(6)          |  |  |  | Please provide an answer in the Submitted column! |
| 930 | V.I.11.e.3.   | Compliance with 100ppmv must be continuously monitored and demonstrated during trial burn  | 266.104(b)(3); D:270.22(a)(6)          |  |  |  | Please provide an answer in the Submitted column! |
| 931 | V.I.11.f.     | ALTERNATE CARBON MONOXIDE STANDARD:  | 266.104(c)                             |  |  |  |   |



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| 932 | V.I.11.f.1.   | Stack gas CO may exceed 100ppmv provided stack gas HC do not exceed 20 ppmv except as provided by 266.104(f)  | 266.104(c)(1)                            |  |  |  | Please provide an answer in the Submitted column! |
| 933 | V.I.11.f.2.   | HC must be established on hourly rolling hourly average, and reported as propane, continuously corrected to 7% O2, dry basis  | 266.104(c)(2)                            |  |  |  | Please provide an answer in the Submitted column! |
| 934 | V.I.11.f.3.   | HC shall be continuously monitored  | 266.104(c)(3)                            |  |  |  | Please provide an answer in the Submitted column! |
| 935 | V.I.11.f.4.   | Procedure for alternative CO standard has to be established during trail burn   | 266.104(c)(4)                            |  |  |  | Please provide an answer in the Submitted column! |
| 936 | V.I.11.g.     | SPECIAL REQUIREMENTS FOR FURNACES WHICH FEED WASTE SOLELY AS AN INGREDIENT AT LOCATIONS OTHER THAN THE "HOT" END MUST MEET HC LIMIT   | 266.104(d)                               |  |  |  | Please provide an answer in the Submitted column! |
| 937 | V.I.11.h.     | CONTROL FOR DIOXINS AND FURANS:   |  |  |  |  |   |
| 938 | V.I.11.h.1.   | BIFs equipped with dry PM control that operate w/in temp. range of 450-750 EF- includes emissions testing for dioxins and furans must conduct a site specific risk assessment | 266.104(e); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 939 | V.I.11.i.     | MONITORING CO AND HC IN THE BY-PASS DUCT OF A CEMENT KILN   | 266.104(f)                               |  |  |  | Please provide an answer in the Submitted column! |
| 940 | V.I.11.j.     | USE OF EMISSIONS TESTING DATA TO DEMONSTRATE COMPLIANCE AND ESTABLISH OPERATING LIMITS  | 266.104(g); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 941 | V.I.11.k.     | PARTICULATE MATTER (PM) EMISSIONS CONTROL:  | 266.105; 266.102(e)(3)                   |  |  |  |   |
| 942 | V.I.11.k.1.   | May not exceed 180 mg/dscf (0.08 grains/dscf) corrected for 7% O2   | 266.105(a); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 943 | V.I.11.k.2.   | Exempt from PM standard if requirements of low risk waste exemption met in 266.109(b)   | 266.105(b); 270.22(a)(4); D:270.22(a)(6) |  |  |  | Please provide an answer in the Submitted column! |
| 944 | V.I.11.l.     | METAL EMISSIONS CONTROLS:   | 266.106                                  |  |  |  |   |
| 945 | V.I.11.l.1.   | Tier 1 feed rate screening limits for metals are specified in Part 266 Appendix 1 as a function of TESH, terrain type, and land use - No test required:                       | 266.106(b); 270.22(a)(3); D:270.22(a)(6) |  |  |  | Please provide an answer in the Submitted column! |
| 946 | V.I.11.l.1.a. | Noncarcinogenic metals in all feed streams (HW, fuel and industrial furnace feed stock)   | 266.106(b)(1); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 947 | V.I.11.l.1.b. | Carcinogenic metals in all feed streams HW, fuel and industrial furnace feed stock  | 266.106(b)(2); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 948 | V.I.11.l.1.c. | TESH - Terrain -adjusted effective stack height determined  | 266.106(b)(3); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 949 | V.I.11.l.1.d. | Terrain type - Noncomplex or Complex  | 266.106(b)(4); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 950 | V.I.11.l.1.e. | Land use - urban or rural   | 266.106(b)(5); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 951 | V.I.11.l.1.f. | Multiple stacks - all emissions from calculated worst-case stack  | 266.106(b)(6); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 952 | V.I.11.l.2.   | Tier II emission rate screening limits for metals are specified in Part 266 Appendix I as a function of: TESH, terrain type, and land use. Test required:                     | 266.106(c); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 953 | V.I.11.l.2.a. | Noncarcinogenic metals  | 266.106(c)(1); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 954 | V.I.11.l.2.b. | Carcinogenic metals   | 266.106(c)(2); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 955 | V.I.11.l.2.c. | Emission rate limits must be implemented by limiting feed rates of metals to trial burn levels, total feed rate per 266.102(e)(6)   | 266.106(c)(3); D:270.22(a)(6)            |  |  |  | Please provide an answer in the Submitted column! |
| 956 | V.I.11.l.2.d. | Terrain-adjusted effective stack height, good engineering practice stack height, terrain type, land use, and eligibility criteria in 266.106(b) apply                         | 266.106(c)(4)                            |  |  |  | Please provide an answer in the Submitted column! |

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| 957 | V.I.11.1.2.e. | Multiple stacks - all emissions from calculated worst-case stack   | 266.106(c)(5); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 958 | V.I.11.1.3.   | Tier III and adjusted Tier I site specific risk assessment - Test required:  | 266.106(d); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 959 | V.I.11.1.3.a. | Metals control must be demonstrated by testing using air dispersion modeling to predict the maximum annual average off-site ground level concentration and that acceptable ambient levels are not exceeded   | 266.106(d)(1); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 960 | V.I.11.1.3.b. | Acceptable ambient levels listed in Part 266 Appendices IV and V   | 266.106(d)(2); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 961 | V.I.11.1.3.c. | Carcinogenic metals - sum of the ratios of the predicted maximum annual average off-site ground level concentration to RSDs shall not exceed 1.0   | 266.106(d)(3); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 962 | V.I.11.1.3.d. | Noncarcinogenic metals - predicted maximum annual average ground level concentration or each metal shall not exceed the RAC  | 266.106(d)(4); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 963 | V.I.11.1.3.e. | Multiple stacks - Must perform emissions testing and dispersion modeling to demonstrate aggregate emissions from all stacks do not exceed acceptable ambient levels  | 266.106(d)(5); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 964 | V.I.11.1.3.f. | Feed rate limits set to levels during TB or conformance  | 266.106(d)(6); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 965 | V.I.11.1.4.   | Adjusted Tier 1 feed rate screening limits - determined using Part 266 Appendix I screening limit and site-specific dispersion modeling - No test required   | 266.106(e); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 966 | V.I.11.1.5.   | Alternative Tier or III implementation approaches  | 266.106(f); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 967 | V.I.11.1.6.   | Emission testing for metals shall be conducted using the Multiple Metals Train as described in Part 266 Appendix IX:   | 266.106(g); D:270.22(a)(6)                  |  |  |  | Please provide an answer in the Submitted column! |
| 968 | V.I.11.1.6.a. | Metal testing shall be conducted using Method 0060   | 266.106(g)(1)                               |  |  |  | Please provide an answer in the Submitted column! |
| 969 | V.I.11.1.6.b. | Hexavalent Chromium – Chromium Emissions are assumed to be hexavalent chromium unless emission testing is conducted using Method 0061  | 266.106(g)(2)                               |  |  |  | Please provide an answer in the Submitted column! |
| 970 | V.I.11.1.7.   | Dispersion modeling  | 266.106(h)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 971 | V.I.11.m.     | HCl & Cl <sub>2</sub> EMISSIONS STANDARDS  | 266.107; D:270.22(e)(5)                     |  |  |  |   |
| 972 | V.I.11.m.1.   | Tier 1 feed rate screening limits - Feed rate screening limits specified in Part 266 Appendix II as a function of TESH, Terrain type, and land use - Analysis required: Feed rate of total chlorine and chloride, organic and inorganic, in HW, fuels and industrial furnace feed stocks | 266.107(b)(1); 270.22(a)(5); D:270.22(a)(6) |  |  |  | Please provide an answer in the Submitted column! |
| 973 | V.I.11.m.2.   | Tier II emissions rate screening limits - Emission rate screening limits specified in Part 266, Appendix III as a function of TESH, Terrain type, and land use - emission testing is required:   | 266.107(b)(2); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 974 | V.I.11.m.2.a. | Terrain-adjusted effective stack height, good engineering practice stack height, terrain type, land use, and eligibility criteria in 266.106(b) apply  | 266.107(b)(3); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 975 | V.I.11.m.2.b. | Multiple stacks - If more than one on-site stack from a BIF, the incinerator or other treatment unit is subject to control HCl and Cl <sub>2</sub> under RCRA permit or interim status and must comply Tier I and II screening limits  | 266.107(b)(4); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 976 | V.I.11.m.3.   | Tier III Site - Specific Risk Assessments - Emissions testing is required:   | 266.107(c)                                  |  |  |  | Please provide an answer in the Submitted column! |
| 977 | V.I.11.m.3.a. | Emission rate for HCl and Cl <sub>2</sub> - demonstrated by using air dispersion modeling to predict the maximum annual average off-site ground level concentration for HCl and Cl <sub>2</sub> and demonstrate that acceptable ambient levels are not exceeded                          | 266.107(c)(1); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |
| 978 | V.I.11.m.3.b. | Acceptable ambient levels are listed in Part 266 Appendix IV for HCl and Cl <sub>2</sub>   | 266.106(c)(2); D:270.22(a)(6)               |  |  |  | Please provide an answer in the Submitted column! |

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| 979  | V.I.11.m.4.   | MULTIPLE STACKS - must demonstrate that aggregate emissions for all on-site stacks do not exceed acceptable ambient levels   | 266.107(c)(3); D:270.22(a)(6)                        |  |  |  | Please provide an answer in the Submitted column! |
| 980  | V.I.11.m.5.   | Averaging periods defined in 266.102(e)(6)   | 266.107(d); D:270.22(a)(6)                           |  |  |  | Please provide an answer in the Submitted column! |
| 981  | V.I.11.m.6.   | Adjusted Tier 1 feed rate screening limits - No testing is required  | 266.107(e); D:270.22(a)(6)                           |  |  |  | Please provide an answer in the Submitted column! |
| 982  | V.I.11.m.7.   | Emission testing - HCl and Cl <sub>2</sub> sampling shall be conducted using the procedures described in Part 266 Appendix IX  | 266.107(f); D:270.22(a)(6)                           |  |  |  | Please provide an answer in the Submitted column! |
| 983  | V.I.11.m.8.   | Dispersion modeling per 40 CFR 266.106(h)  | 266.107(g)   |  |  |  | Please provide an answer in the Submitted column! |
| 984  | V.I.11.n.     | Provide a Quality Assurance Project Plan for the Trial Burn Plan   | Guidance   |  |  |  | Please provide an answer in the Submitted column! |
| 985  | V.I.11.o.     | ADDITIONAL DATA FOR DATA IN LIEU OF TESTING (DILO):  | 270.22(a)(6)   |  |  |  |   |
| 986  | V.I.11.o.1.   | Comparison of wastes description and analysis  | 270.22(a)(6)(i)(A)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 987  | V.I.11.o.2.   | Comparison of design and operating conditions as required by 270.66 - for both devices   | 270.22(a)(6)(i)(B)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 988  | V.I.11.o.3.   | Data QA/QC for Data Validation including Chromatograms, Chain of Custody, Sample Preservation Records, Laboratory Notes, etc.  | 270.22(a)(6)(i)(C); Guidance; EPA Publication SW-846 |  |  |  | Please provide an answer in the Submitted column! |
| 989  | V.I.11.o.4.   | Other Information for Comparison including, but not limited to, Engineering Drawings, including boiler, combustion chamber, air pollution control devices, sampling ports and access, PED, PI&D, elevations and plan views, instrument/control measurement locations, piping, containment, vessels, specifications, and calculations, all sealed, signed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 270.22(a)(6)(i)(C)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 990  | V.I.12.       | STANDARDS FOR DIRECT TRANSFER  | 266.111  |  |  |  |   |
| 991  | V.I.12.a.     | The regulations in this section apply to owners and operators of boilers and industrial furnaces subject to §§ 266.102 or 266.103 if hazardous waste is directly transferred from a transport vehicle to a boiler or industrial furnace without the use of a storage unit  | 266.111(a) and (b)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 992  | V.I.12.b.     | General operating requirements:  | 266.111(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 993  | V.I.12.b.1.   | No direct transfer of a pumpable hazardous waste shall be conducted from an open-top container to a boiler or industrial furnace   | 266.111(c)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 994  | V.I.12.b.2.   | Direct transfer equipment used for pumpable hazardous waste shall always be closed, except when necessary to add or remove the waste, and shall not be opened, handled, or stored in a manner that may cause any rupture or leak   | 266.111(c)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 995  | V.I.12.b.3.   | The direct transfer of hazardous waste to a boiler or industrial furnace shall be conducted so that it does not:   | 266.111(c)(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 996  | V.I.12.b.3.a. | Generate extreme heat or pressure, fire, explosion, or violent reaction  | 266.111(c)(3)(i)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 997  | V.I.12.b.3.b. | Produce uncontrolled toxic mists, fumes, dusts, or gases in quantities to threaten human health  | 266.111(c)(3)(ii)                                    |  |  |  | Please provide an answer in the Submitted column! |
| 998  | V.I.12.b.3.c. | Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions  | 266.111(c)(3)(iii)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 999  | V.I.12.b.3.d. | Damage the structural integrity of the container or direct transfer equipment containing the waste   | 266.111(c)(3)(iv)                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1000 | V.I.12.b.3.e. | Adversely affect the capability of the boiler or industrial furnace to meet the standards provided by §§ 266.104 through 266.107   | 266.111(c)(3)(v)                                     |  |  |  | Please provide an answer in the Submitted column! |
| 1001 | V.I.12.b.3.f. | Threaten human health or the environment   | 266.111(c)(3)(vi)                                    |  |  |  | Please provide an answer in the Submitted column! |

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| 1002 | V.I.12.b.4.e.   | Hazardous waste shall not be placed in direct transfer equipment if it could cause the equipment or its secondary containment system to rupture, leak, corrode, or otherwise fail  | 266.111(c)(4)        |  |  |  | Please provide an answer in the Submitted column! |
| 1003 | V.I.12.b.5.     | The owner or operator of the facility shall use appropriate controls and practices to prevent spills and overflows from the direct transfer equipment or its secondary containment systems. These include at a minimum:  | 266.111(c)(5)        |  |  |  | Please provide an answer in the Submitted column! |
| 1004 | V.I.12.b.5.a.   | Spill prevention controls (e.g., check valves, dry discount couplings)   | 266.111(c)(5)(i)     |  |  |  | Please provide an answer in the Submitted column! |
| 1005 | V.I.12.b.5.b.   | Automatic waste feed cutoff to use if a leak or spill occurs from the direct transfer equipment  | 266.111(c)(5)(ii)    |  |  |  | Please provide an answer in the Submitted column! |
| 1006 | V.I.12.c.       | Areas where direct transfer vehicles (containers) are located. Applying the definition of container under this section, owners and operators must comply with the following requirements:  | 266.111(d)           |  |  |  | Please provide an answer in the Submitted column! |
| 1007 | V.I.12.c.1.     | The containment requirements of § 264.175 of this chapter  | 266.111(d)(1)        |  |  |  | Please provide an answer in the Submitted column! |
| 1008 | V.I.12.c.2.     | The use and management requirements of subpart I, part 265 of this chapter, except for §§ 265.170 and 265.174, and except that in lieu of the special requirements of § 265.176 for ignitable or reactive waste, the owner or operator may comply with the requirements for the maintenance of protective distances between the waste management area and any public ways, streets, alleys, or an adjacent property line that can be built upon as required in Tables 2-1 through 2-6 of the National Fire Protection Association's (NFPA) "Flammable and Combustible Liquids Code," (1977 or 1981), (incorporated by reference, see § 260.11). The owner or operator must obtain and keep on file at the facility a written certification by the local Fire Marshall that the installation meets the subject NFPA codes | 266.111(d)(2)        |  |  |  | Please provide an answer in the Submitted column! |
| 1009 | V.I.12.c.3.     | The closure requirements of § 264.178 of this chapter  | 266.111(d)(3)        |  |  |  | Please provide an answer in the Submitted column! |
| 1010 | V.I.12.d.       | Direct transfer equipment must meet the following requirements:  | 266.111(e)           |  |  |  | Please provide an answer in the Submitted column! |
| 1011 | V.I.12.d.1.     | Owners and operators shall comply with the secondary containment requirements of § 265.193 of this chapter, except for paragraphs 265.193 (a), (d), (e), and (i) as follows:   | 266.111(e)(1)        |  |  |  | Please provide an answer in the Submitted column! |
| 1012 | V.I.12.d.1.a.   | For all new direct transfer equipment, prior to their being put into service   | 266.111(e)(1)(i)     |  |  |  | Please provide an answer in the Submitted column! |
| 1013 | V.I.12.d.1.b.   | For existing direct transfer equipment within 2 years after August 21, 1991  | 266.111(e)(1)(ii)    |  |  |  | Please provide an answer in the Submitted column! |
| 1014 | V.I.12.d.2.     | Requirements prior to meeting secondary containment requirements   | 266.111(e)(2)        |  |  |  | Please provide an answer in the Submitted column! |
| 1015 | V.I.12.d.2.a.   | Existing direct transfer equipment that does not have secondary containment, the owner or operator shall determine whether the equipment is leaking or is unfit for use and shall obtain and keep on file a written assessment reviewed and certified by a qualified, registered professional engineer in accordance with § 270.11(d) of this chapter  | 266.111(e)(2)(i)     |  |  |  | Please provide an answer in the Submitted column! |
| 1016 | V.I.12.d.2.b.   | Determine whether the direct transfer equipment is adequately designed and has sufficient structural strength and compatibility with the waste(s) to ensure that it will not collapse, rupture, or fail. At a minimum, this assessment shall consider the following:   | 266.111(e)(2)(ii)    |  |  |  | Please provide an answer in the Submitted column! |
| 1017 | V.I.12.d.2.b.1. | Design standard(s) to which the direct transfer equipment was constructed  | 266.111(e)(2)(ii)(A) |  |  |  | Please provide an answer in the Submitted column! |
| 1018 | V.I.12.d.2.b.2. | Hazardous characteristics of the waste(s) that have been or will be handled  | 266.111(e)(2)(ii)(B) |  |  |  | Please provide an answer in the Submitted column! |
| 1019 | V.I.12.d.2.b.3. | Existing corrosion protection measures   | 266.111(e)(2)(ii)(C) |  |  |  | Please provide an answer in the Submitted column! |
| 1020 | V.I.12.d.2.b.4. | Documented age of the equipment (otherwise, an estimate of the age)  | 266.111(e)(2)(ii)(D) |  |  |  | Please provide an answer in the Submitted column! |

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| 1021 | V.I.12.d.2.b.5. | Results of a leak test or other integrity examination so that effects of temperature variations, vapor pockets, cracks, leaks, corrosion, and erosion are accounted for          | 266.111(e)(2)(ii)(E)          |  |  |  | Please provide an answer in the Submitted column! |
| 1022 | V.I.12.d.2.c.   | If the direct transfer equipment is found to be leaking or unfit for use, the owner or operator shall comply with the requirements of §§ 265.196 (a) and (b) of this chapter     | 266.111(e)(2)(iii)            |  |  |  | Please provide an answer in the Submitted column! |
| 1023 | V.I.12.d.3.     | Inspections and recordkeeping  | 266.111(e)(3)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1024 | V.I.12.d.3.a.   | The owner or operator must inspect at least once each operating hour when hazardous waste during transferred from the transport vehicle (container) to the B/IF:                 | 266.111(e)(3)(i)              |  |  |  | Please provide an answer in the Submitted column! |
| 1025 | V.I.12.d.3.a.1. | Overfill/spill control equipment to ensure it is in good working order   | 266.111(e)(3)(i)(A)           |  |  |  | Please provide an answer in the Submitted column! |
| 1026 | V.I.12.d.3.a.2. | The above ground portions of the direct transfer equipment to detect corrosion, erosion, or releases of waste  | 266.111(e)(3)(i)(B)           |  |  |  | Please provide an answer in the Submitted column! |
| 1027 | V.I.12.d.3.a.3. | Data from monitoring equipment and leak-detection equipment to ensure that the direct transfer equipment is being operated according to its design                               | 266.111(e)(3)(i)(C)           |  |  |  | Please provide an answer in the Submitted column! |
| 1028 | V.I.12.d.3.b.   | The owner or operator must inspect cathodic protection systems, if used, for proper functioning according to the schedule provided by § 265.195(b):                              | 266.111(e)(3)(ii)             |  |  |  | Please provide an answer in the Submitted column! |
| 1029 | V.I.12.d.3.c.   | Records of inspections made under this paragraph shall be maintained in the operating record at the facility, available for inspection at least 3 years from the inspection date | 266.111(e)(3)(iii)            |  |  |  | Please provide an answer in the Submitted column! |
| 1030 | V.I.12.d.4.     | Design and installation of new equipment. Must comply with § 265.192   | 266.111(e)(4)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1031 | V.I.12.d.5.     | Response to leaks or spills must comply with § 265.196   | 266.111(e)(5)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1032 | V.I.12.d.6.     | Owners and operators must comply with § 265.197 for Closure, except for § 265.197 (c)(2) through (c)(4)  | 266.111(e)(6)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1033 | V.J.            | <b>Drip Pads</b>   | 335.152(a)(15); 264 subpart W |  |  |  |   |
| 1034 | V.J.~.          | Submit a Drip Pad Engineering Report including at a minimum:   | 264.570-573; 270.26           |  |  |  | Please provide an answer in the Submitted column! |
| 1035 | V.J.1.          | Complete and submit Table V.J.1. - Drip Pads in hard copy and editable electronic format   | 270.26(a)                     |  |  |  | Please provide an answer in the Submitted column! |
| 1036 | V.J.2.          | Complete and submit Table V.J.2. - Drip Pad Synthetic Liner System in hard copy and editable electronic format   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1037 | V.J.3.~.        | Describe detailed plans and engineering report, including:   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1038 | V.J.3.~.        | The engineering report must address:   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1039 | V.J.3.~.a.      | Design characteristics:  | 264.573; 270.26(c)(1)         |  |  |  | Please provide an answer in the Submitted column! |
| 1040 | V.J.3.~.a.1.    | Constructed of non-earthen materials   | 264.573(a)(1)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1041 | V.J.3.~.a.2.    | Sloped to free-drain treated wood drippage, rain, and other waters or solutions  | 264.573(a)(2)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1042 | V.J.3.~.a.3.    | Curb or berm around the perimeter  | 264.573(a)(3)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1043 | V.J.3.~.a.4.    | Hydraulic conductivity of less than or equal to 1x10 <sup>-7</sup> cm/s  | 264.573(a)(4)(i)              |  |  |  | Please provide an answer in the Submitted column! |
| 1044 | V.J.3.~.a.5.    | Sufficient strength and thickness  | 264.573(a)(5)                 |  |  |  | Please provide an answer in the Submitted column! |
| 1045 | V.J.3.~.b.      | For artificial liners:   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1046 | V.J.3.a.        | Seaming method   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1047 | V.J.3.b.        | Surface preparation method   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1048 | V.J.3.c.        | Tensile strength   |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1049 | V.J.3.d.        | Impact resistance  |                               |  |  |  | Please provide an answer in the Submitted column! |
| 1050 | V.J.3.e.        | Compatibility Demonstration  |                               |  |  |  | Please provide an answer in the Submitted column! |

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| 1051 | V.J.3.f.    | Foundation design (settlement potential, bearing capacity/stability and potential for bottom heave blow-out)  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1052 | V.J.3.c.    | For leakage collection system:  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1053 | V.J.3.g.    | Capacity of system:   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1054 | V.J.3.g.1.  | Rate of leakage removal   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1055 | V.J.3.g.2.  | Capacity of sumps   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1056 | V.J.3.g.3.  | Thickness of mounding & maximum hydraulic head  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1057 | V.J.3.h.    | Pipe material and strength  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1058 | V.J.3.i.    | Pipe network spacing and grading  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1059 | V.J.3.j.    | Collection sump material and strength   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1060 | V.J.3.k.    | Drainage media specifications & performance   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1061 | V.J.3.l.    | Analysis that shows pipe and pipe perforation size will prevent clogging  |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1062 | V.J.3.m.    | Compatibility demonstration   |                        |  |  |  | Please provide an answer in the Submitted column! |
| 1063 | V.J.4.      | Provide description of leak detection system (applies only if drip pads are constructed after 12/24/92 per 264.570(a))  | 270.26(c)(3)           |  |  |  | Please provide an answer in the Submitted column! |
| 1064 | V.J.5.      | Provide description of how drip pad will be maintained  | 270.26(c)(4)           |  |  |  | Please provide an answer in the Submitted column! |
| 1065 | V.J.6.      | Provide description of the collection system  | 270.26(c)(5)           |  |  |  | Please provide an answer in the Submitted column! |
| 1066 | V.J.7.      | Provide description of control of run-on  | 270.26(c)(6)           |  |  |  | Please provide an answer in the Submitted column! |
| 1067 | V.J.8.      | Provide description of control of run-off   | 270.26(c)(7)           |  |  |  | Please provide an answer in the Submitted column! |
| 1068 | V.J.9.      | Provide description of when drippage will be removed from collection system to prevent overflow   | 270.26(c)(8)           |  |  |  | Please provide an answer in the Submitted column! |
| 1069 | V.J.10.     | Provide description of procedures for cleaning the drip pad (at least weekly)   | 270.26(c)(9)           |  |  |  | Please provide an answer in the Submitted column! |
| 1070 | V.J.11.     | Provide description of operating practices and procedures   | 264.573; 270.26(c)(10) |  |  |  | Please provide an answer in the Submitted column! |
| 1071 | V.J.12.     | Provide description of removal procedures for waste   | 270.26(c)(11)          |  |  |  | Please provide an answer in the Submitted column! |
| 1072 | V.J.13.     | Provide description of collection and holding units for run-on/off are emptied  | 270.26(c)(12)          |  |  |  | Please provide an answer in the Submitted column! |
| 1073 | V.J.14.     | Provide description of process equipment used if treatment is carried out on the drippad;   | 270.26(c)(13)          |  |  |  | Please provide an answer in the Submitted column! |
| 1074 | V.J.15.     | Provide descriptions of inspection requirements in accordance with 264.573 and 270.14(b)(5)   | 270.26(c)(14)          |  |  |  | Please provide an answer in the Submitted column! |
| 1075 | V.J.16.     | Provide description of how HW residues and contaminated materials will be removed from Drip Pads at closure   | 270.26(c)(16)          |  |  |  | Please provide an answer in the Submitted column! |
| 1076 | V.J.17.     | If applicant elects to comply with 264.572(b) instead of 264.572(a), demonstrate the drip pad has the following:  | 264.573(b)             |  |  |  | Please provide an answer in the Submitted column! |
| 1077 | V.J.17.a.   | Synthetic liner installed below the drip pad. The liner must have: sufficient thickness and strength, foundation capable of supporting; and installed to cover all surrounding land that could come into contact with waste | 264.573(b)(1)          |  |  |  | Please provide an answer in the Submitted column! |
| 1078 | V.J.17.b.   | Leakage detection system installed above the liner and must be/have:  | 264.573(b)(2)          |  |  |  | Please provide an answer in the Submitted column! |
| 1079 | V.J.17.b.1. | Chemically resistant  | 264.573(b)(2)(i)(A)    |  |  |  | Please provide an answer in the Submitted column! |
| 1080 | V.J.17.b.2. | Sufficient strength and thickness   | 264.573(b)(2)(i)(B)    |  |  |  | Please provide an answer in the Submitted column! |
| 1081 | V.J.17.b.3. | Prevention of clogging  | 264.573(b)(2)(ii)      |  |  |  | Please provide an answer in the Submitted column! |
| 1082 | V.J.17.b.4. | Designed to detect failure  | 264.573(b)(2)(iii)     |  |  |  | Please provide an answer in the Submitted column! |
| 1083 | V.J.17.c.   | Leakage detection system above the liner designed to collect leakage from the drip pad. Permittee must record, etc. any leakage collected   | 264.573(b)(3)          |  |  |  | Please provide an answer in the Submitted column! |
| 1084 | V.J.18.     | Describe how you will ensure drip pads are free of cracks, gaps, corrosion or other deterioration   | 264.573(c)             |  |  |  | Please provide an answer in the Submitted column! |

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| 1085 | V.J.19.    | Demonstrate how the drip pad is designed to convey, drain, and collect liquid resulting from drippage or precipitation to prevent run-off   | 264.573(d)  |  |  |  | Please provide an answer in the Submitted column! |
| 1086 | V.J.20.    | Unless protected by structure described in 264.570 (b) ensure drip pads have run-on control system (TCEQ recommends 25-yr, 24-hr rainfall event)  | 264.573(e)  |  |  |  | Please provide an answer in the Submitted column! |
| 1087 | V.J.21.    | Unless protected by structure described in 264.570 (b) ensure drip pads have run-off control system (TCEQ recommends 25-yr, 24-hr rainfall event)   | 264.573(f)  |  |  |  | Please provide an answer in the Submitted column! |
| 1088 | V.J.22.    | Describe the means of overflow prevention   | 264.573(h)  |  |  |  | Please provide an answer in the Submitted column! |
| 1089 | V.J.23.    | Indicate the inspection frequency   | 264.573(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 1090 | V.J.24.    | Describe procedures that ensure all hazardous waste (HW) is held on drip pad until drippage ceases  | 264.573(k)  |  |  |  | Please provide an answer in the Submitted column! |
| 1091 | V.J.25.    | Describe procedures that ensure run-on/off removed ASAP after storms  | 264.573(l)  |  |  |  | Please provide an answer in the Submitted column! |
| 1092 | V.J.26.    | Management of release of HW from the drip pad: Provide a plan of removing wastes, caused by a release of HW (e.g., leakage from leak detection system), that includes:                                    | 264.573(m) 264.573(m)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 1093 | V.J.26.a.  | Documentation of record of discovery  | 264.573(m)(1)(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 1094 | V.J.26.b.  | Documentation of the portion of the drip pad involved   | 264.573(m)(1)(ii)   |  |  |  | Please provide an answer in the Submitted column! |
| 1095 | V.J.26.c.  | Steps necessary to repair and clean-up release  | 264.573(m)(1)(iii)  |  |  |  | Please provide an answer in the Submitted column! |
| 1096 | V.J.26.d.  | Notification of the Regional office and Ex. Director  | 264.573(m)(1)(iv)   |  |  |  | Please provide an answer in the Submitted column! |
| 1097 | V.J.27.    | Provide documentation of procedures to maintain records in the facility   | 264.573(o)  |  |  |  | Please provide an answer in the Submitted column! |
| 1098 | V.J.28.    | Provide assessment of existing pad integrity: including written plan for upgrading, repairing and modifying to meet the requirements of 264.573(b) and PE certification                                   | 264.571   |  |  |  | Please provide an answer in the Submitted column! |
| 1099 | V.J.29.    | Provide certification requirements sealed, signed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number | 264.571(a); 264.573(a)(4)(ii);<br>264.573(g); 264.573(m)(3);<br>270.26(c)(15) |  |  |  | Please provide an answer in the Submitted column! |
| 1145 | V.L.       | <b>Containment Buildings</b>  | 335.152(a)(20); 264 Subpart DD  |  |  |  |   |
| 1146 | V.L.~.     | Submit a Miscellaneous Unit(s) Engineering Report including the following at a minimum:   | 264.1100-1101(c)(3) and<br>264.1101(d-e)                                      |  |  |  | Please provide an answer in the Submitted column! |
| 1147 | V.L.1.     | Complete and submit Table V.L. - Containment Buildings in hard copy and editable electronic format  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1148 | V.L.2.     | Provide plans and description of the design, construction, and operation of the containment building:   | 264.1101  |  |  |  | Please provide an answer in the Submitted column! |
| 1149 | V.L.2.a.   | Completely enclosed to prevent precipitation, wind, and run-on  | 264.1101(a)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 1150 | V.L.2.b.   | Should be constructed with structural strength and thickness and address:   | 264.1101(a)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 1151 | V.L.2.b.1. | Primary barrier against fugitive dust emissions   | 264.1101(a)(2)(i)   |  |  |  | Please provide an answer in the Submitted column! |
| 1152 | V.L.2.b.2. | Ability to prevent wastes from migration  | 264.1101(a)(2)(ii)  |  |  |  | Please provide an answer in the Submitted column! |
| 1153 | V.L.2.c.   | Compatibility data  | 264.1101(a)(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 1154 | V.L.2.d.   | The primary barrier   | 264.1101(a)(4)  |  |  |  | Please provide an answer in the Submitted column! |
| 1155 | V.L.2.e.   | Containment buildings used to manage wastes containing free liquids should have:  | 264.1101(b)   |  |  |  | Please provide an answer in the Submitted column! |
| 1156 | V.L.2.e.1. | Primary barrier to prevent migration  | 264.1101(b)(1)  |  |  |  | Please provide an answer in the Submitted column! |



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|------|--------------|---|---|--|--|--|---|
| 1157 | V.L.2.e.2.   | Liquid collection and removal system (e.g. geomembrane covered by a concrete surface) that is sloped to drain liquids and minimize hydraulic head on the containment system at the earliest practicable time                    | 264.1101(b)(2)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1158 | V.L.2.e.3.   | Secondary containment system including secondary barrier and leak detection system constructed with:  | 264.1101(b)(3)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1159 | V.L.2.e.3.a. | A bottom slope of 1% or more  | 264.1101(b)(3)(i)(A)                        |  |  |  | Please provide an answer in the Submitted column! |
| 1160 | V.L.2.e.3.b. | Granular drainage material with hydraulic conductivity of 1x10 <sup>-2</sup> cm/s or more and a thickness of 12 in. or constructed with synthetic or geonet with transmissivity of 3x10 <sup>-5</sup> m <sup>2</sup> /s or more | 264.1101(b)(3)(i)(B);<br>264.1101(b)(3)(ii) |  |  |  | Please provide an answer in the Submitted column! |
| 1161 | V.L.2.e.3.c. | Materials that are chemically resistant   | 264.1101(b)(3)(iii)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1162 | V.L.2.f.1.   | Controls and practices to ensure containment of HW within the unit, at a minimum must address or contain:   | 264.1101(c)(1)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1163 | V.L.2.f.1.a. | Primary barrier: free of cracks, gaps, corrosion or other deterioration   | 264.1101(c)(1)(i)                           |  |  |  | Please provide an answer in the Submitted column! |
| 1164 | V.L.2.f.1.b. | Maintain level of stored treated HW within the containment walls  | 264.1101(c)(1)(ii)                          |  |  |  | Please provide an answer in the Submitted column! |
| 1165 | V.L.2.f.1.c. | Measures to prevent tracking of HW outside of the unit  | 264.1101(c)(1)(iii)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1166 | V.L.2.f.1.d. | Measures to control fugitive air emissions  | 264.1101(c)(1)(iv)                          |  |  |  | Please provide an answer in the Submitted column! |
| 1167 | V.L.2.f.2.   | Certification signed by a licensed PE that the building meets the design requirements   | 264.1101(c)(2)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1168 | V.L.2.f.3.   | Procedures in case of release or repair of the unit   | 264.1101(c)(3)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1169 | V.L.2.g.     | For containment buildings that contain areas with and without a secondary containment system permittee must address:  | 264.1101(d)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1170 | V.L.2.g.1.   | Design and operation in accordance with 246.1101(a-c)   | 264.1101(d)(1)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1171 | V.L.2.g.2.   | Prevent release of liquids  | 264.1101(d)(2)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1172 | V.L.2.g.3.   | Maintain facility's operating log   | 264.1101(d)(3)                              |  |  |  | Please provide an answer in the Submitted column! |
| 1173 | V.L.2.h.     | Waiver requirements for secondary containment   | 264.1101(e)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1174 | V.L.3.       | Provide detailed plans and specifications individually sealed and dated by a licensed professional engineer with current Texas registration along with the Registered Engineering Firm's name and Registration Number           | 305.50(a)(7)                                |  |  |  | Please provide an answer in the Submitted column! |
| 1246 | VI.B.        | <b>Facility Ground-Water</b>  |   |  |  |  |   |
| 1247 | VI.B.1.      | Provide description of Regional Aquifers:   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1248 | VI.B.1.a.    | Aquifers and associated geologic units as described in Sect. VI.A.3.b.  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1249 | VI.B.1.b.    | Constituent materials of the aquifer(s)   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1250 | VI.B.1.c.    | Water-bearing and transmitting properties   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1251 | VI.B.1.d.    | Water table or artesian conditions  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1252 | VI.B.1.e.    | If aquifers are hydraulically connected   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1253 | VI.B.1.f.    | Regional water table contour map or potentiometric surface map  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1254 | VI.B.1.g.    | Rate of groundwater flow, ft./yr. estimated   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1255 | VI.B.1.h.    | Total Dissolved Solids (TDS) values   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1256 | VI.B.1.i.    | Identification areas of recharge to the aquifers (for new land based units must include hydrogeologic report)   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1257 | VI.B.1.j.    | Present use of groundwater  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1258 | VI.B.1.k.    | Identification of aquifers for each well within 1 mile. Paragraph III.C.1.e of the Part A permit application should be updated.   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1259 | VI.B.2.      | Provide groundwater conditions for each land based unit which requires post-closure care specified in 335. 156-167; including:  |   |  |  |  | Please provide an answer in the Submitted column! |

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| 1260 | VI.B.2.a.      | Records of water level measurements in borings (noted on logs and X-Sections) should be taken at time of boring and after equilibration (at least 24-hrs.)                        |   |  |  |  | Please provide an answer in the Submitted column! |
| 1261 | VI.B.2.b.      | Historic maximum and minimum static water level   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1262 | VI.B.2.c.      | Upper and lower limits of the uppermost and hydraulically connected aquifers  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1263 | VI.B.2.d.      | Site specific water table contour or potentiometric surface map for each aquifer encountered. Ground-water flow direction and rate should be calculated                           |   |  |  |  | Please provide an answer in the Submitted column! |
| 1264 | VI.B.2.e.      | Discussion of the variation of hydraulic gradient across site. Calculations of maximum, minimum, and average ground-water flow velocities, and pump test data (where appropriate) |   |  |  |  | Please provide an answer in the Submitted column! |
| 1265 | VI.B.2.f.      | Analysis of likely pathways for pollutant migration   |   |  |  |  | Please provide an answer in the Submitted column! |
| 1266 | VI.B.3.        | Provide description of the detection monitoring program:  | EPA Publications 530-SW-89-026, 625/6-90/016b and SW-846; RCRA Groundwater Monitoring 1992 OSWER Directive 9950.1 |  |  |  | Please provide an answer in the Submitted column! |
| 1267 | VI.B.3.a.      | The groundwater monitoring system must have/address:  |   |  |  |  | Please provide an answer in the Submitted column! |
| 1268 | VI.B.3.a.1.    | Sufficient number of wells at justified location and depths   | 335.163(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 1269 | VI.B.3.a.2.    | Background water not affected by leakage from regulated unit:   | 335.163(1)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1270 | VI.B.3.a.2.a.  | Determination of background quality   | 335.163(1)(A)(i)  |  |  |  | Please provide an answer in the Submitted column! |
| 1271 | VI.B.3.a.2.b.  | Sampling at other wells   | 335.163(1)(A)(ii)   |  |  |  | Please provide an answer in the Submitted column! |
| 1272 | VI.B.3.a.3.    | Represent the quality of background water passing the POC   | 335.163(1)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1273 | VI.B.3.a.4.    | Capability to resolve detection of contamination migrated from HWM unit   | 335.163(1)(C)   |  |  |  | Please provide an answer in the Submitted column! |
| 1274 | VI.B.3.a.5.    | HWM area that contains more than one regulated unit, separate groundwater not required  | 335.163(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 1275 | VI.B.3.a.6.    | All wells cased to maintain integrity of borehole   | 335.163(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 1276 | VI.B.3.a.7.    | Sampling and analysis procedures must include at a minimum:   | 335.163(4)  |  |  |  | Please provide an answer in the Submitted column! |
| 1277 | VI.B.3.a.7.a.  | Sample collection procedures  | 335.163(4)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1278 | VI.B.3.a.7.b.  | Sample preservation and shipment procedures   | 335.163(4)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1279 | VI.B.3.a.7.c.  | Analytical procedures   | 335.163(4)(C)   |  |  |  | Please provide an answer in the Submitted column! |
| 1280 | VI.B.3.a.7.d.  | Chain of custody control  | 335.163(4)(D)   |  |  |  | Please provide an answer in the Submitted column! |
| 1281 | VI.B.3.a.8.    | Appropriate and accurate sampling analytical methods  | 335.163(5)  |  |  |  | Please provide an answer in the Submitted column! |
| 1282 | VI.B.3.a.9.    | Determination of groundwater surface elevation each time groundwater is sampled   | 335.163(6)  |  |  |  | Please provide an answer in the Submitted column! |
| 1283 | VI.B.3.a.10.   | Number and kind of samples collected:   | 335.163(7)  |  |  |  | Please provide an answer in the Submitted column! |
| 1284 | VI.B.3.a.10.a. | A sequence of at least 4 samples taken at an interval providing sample independence   | 335.163(7)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1285 | VI.B.3.a.10.b. | A proposed alternate sample procedure   | 335.163(7)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1286 | VI.B.3.a.11.   | Statistical methods:  | 335.163(8)  |  |  |  | Please provide an answer in the Submitted column! |
| 1287 | VI.B.3.a.11.a. | Parametric analysis of variance (ANOVA)   | 335.163(8)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1288 | VI.B.3.a.11.b. | Non-parametric ANOVA (based on ranks)   | 335.163(8)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1289 | VI.B.3.a.11.c. | Tolerance or prediction interval procedure  | 335.163(8)(C)   |  |  |  | Please provide an answer in the Submitted column! |
| 1290 | VI.B.3.a.11.d. | Control chart approach  | 335.163(8)(D)   |  |  |  | Please provide an answer in the Submitted column! |
| 1291 | VI.B.3.a.12.e. | Alternative approach approved by ED   | 335.163(8)(E)   |  |  |  | Please provide an answer in the Submitted column! |
| 1292 | VI.B.3.a.13.   | Any statistical method chosen under 335.163(8), must meet the performance standard as appropriate:  | 335.163(9)  |  |  |  | Please provide an answer in the Submitted column! |

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| 1293 | VI.B.3.a.13.a. | Be appropriate to the distribution of chemical parameters and hazardous constituents  | 335.163(9)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1294 | VI.B.3.a.13.b. | Test under Type 1 error level no less than 0.01 for each testing period   | 335.163(9)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1295 | VI.B.3.a.13.c. | Indicate whether a Control chart approach is to be used   | 335.163(9)(C)   |  |  |  | Please provide an answer in the Submitted column! |
| 1296 | VI.B.3.a.13.d. | If tolerance interval or prediction interval is used: the report must include levels of confidence, tolerance intervals, and % population   | 335.163(9)(D)   |  |  |  | Please provide an answer in the Submitted column! |
| 1297 | VI.B.3.a.13.e. | Expected or predicted Practical Quantitation Limit (PQL)  | 335.163(9)(E)   |  |  |  | Please provide an answer in the Submitted column! |
| 1298 | VI.B.3.a.13.f. | Procedures to control or correct seasonal and spatial variability   | 335.163(9)(F)   |  |  |  | Please provide an answer in the Submitted column! |
| 1299 | VI.B.3.a.14.   | Groundwater monitoring data must be maintained at the facility operating record   | 335.163(10)     |  |  |  | Please provide an answer in the Submitted column! |
| 1300 | VI.B.3.a.15.   | Detection monitoring program must establish:  | 335.164         |  |  |  | Please provide an answer in the Submitted column! |
| 1301 | VI.B.3.a.15.a. | Indicator parameters, waste constituents, reaction products to be monitored   | 335.164(1)      |  |  |  | Please provide an answer in the Submitted column! |
| 1302 | VI.B.3.a.15.b. | Types, quantities, and concentrations of constituents   | 335.164(1)(A)   |  |  |  | Please provide an answer in the Submitted column! |
| 1303 | VI.B.3.a.15.c. | Mobility, stability, and persistence of waste constituents or reaction products in the unsaturated zone   | 335.164(1)(B)   |  |  |  | Please provide an answer in the Submitted column! |
| 1304 | VI.B.3.a.15.d. | Detection of indicator parameters   | 335.164(1)(C)   |  |  |  | Please provide an answer in the Submitted column! |
| 1305 | VI.B.3.a.15.e. | Concentrations or values and coefficients of variation of proposed monitoring parameters or constituents in the background  | 335.164(1)(D)   |  |  |  | Please provide an answer in the Submitted column! |
| 1306 | VI.B.3.a.16.   | Groundwater monitoring system is at the compliance point specified under 335.161  | 335.164(2)      |  |  |  | Please provide an answer in the Submitted column! |
| 1307 | VI.B.3.a.17.   | Chemical parameter and hazardous constituents per 335.163(7)  | 335.164(3)      |  |  |  | Please provide an answer in the Submitted column! |
| 1308 | VI.B.3.a.18.   | Background groundwater concentration values for proposed parameters   | 335.164(3)(A-C) |  |  |  | Please provide an answer in the Submitted column! |
| 1309 | VI.B.3.a.19.   | Frequencies for collecting samples and conducting statistical tests   | 335.164(4)      |  |  |  | Please provide an answer in the Submitted column! |
| 1310 | VI.B.3.a.20.   | Statistically significant increase in any constituent or parameter capable of being identified at any compliance point monitoring well  | 335.164(6-7)    |  |  |  | Please provide an answer in the Submitted column! |
| 1311 | VI.B.3.b.      | Submit a justification for the selection of proposed suite of waste specific parameters specified in Table VI.B.3.c   |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1312 | VI.B.3.c.      | Submit a proposed sampling and analysis plan, including:  |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1313 | VI.B.3.c.1.    | Sampling and analytical methods   |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1314 | VI.B.3.c.2.    | Statistical comparison procedures   |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1315 | VI.B.3.c.3.    | Alternate methods demonstrated as appropriate for groundwater analysis  | 335.163(5)      |  |  |  | Please provide an answer in the Submitted column! |
| 1316 | VI.B.3.d.      | Submit a specific statistical method and process for comparing constituent concentrations to background, including:   | 335.163         |  |  |  | Please provide an answer in the Submitted column! |
| 1317 | VI.B.3.d.1.    | Sampling procedures must provide representative samples of the regulated activity in time and manner of sampling  |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1318 | VI.B.3.d.2.    | All data submitted in a manner consistent with <i>TCEQ Quality Control and Assurance Project Plan for Monitoring and Measurements Activities Relating to RCRA and UIC (TCEQ QAPP)</i> |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1319 | VI.B.3.e.      | Complete and submit Table VI.B.3.b - Unit Groundwater Detection Monitoring System in hard copy and editable electronic format   |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1320 | VI.B.3.f.      | Complete and submit Table VI.B.3.c - Groundwater Detection Monitoring Parameters in hard copy and editable electronic format; specifying:   |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1321 | VI.B.3.f.1.    | The suite of waste specific parameters  |                 |  |  |  | Please provide an answer in the Submitted column! |
| 1322 | VI.B.3.f.2.    | The sampling frequencies and calendar intervals   |                 |  |  |  | Please provide an answer in the Submitted column! |

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| 1323 | VI.B.3.f.3. | The analytical method and laboratory predicted detection limit and predicted Practical Quantitation Limit of the analyses                    |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1324 | VI.B.3.f.4. | The concentration limit which will be the basis for determining whether a release has occurred from the waste management unit/area           |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1325 | VI.B.3.g.   | Submit drawings depicting the monitoring well design, current and proposed   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1326 | VI.B.3.h.   | Submit at least one map of the entire facility on one or more 8 1/2" X 11" sheets with a scale to show:                                      |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1327 | VI.B.3.h.1. | Monitoring well location design, current and proposed  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1328 | VI.B.3.h.2. | Soil-pore liquid and core sampling points, current and proposed  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1329 | VI.B.3.h.3. | Waste management unit(s) area  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1330 | VI.B.3.h.4. | Property boundary  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1331 | VI.B.3.h.5. | Point of compliance  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1332 | VI.B.3.h.6. | Direction of groundwater   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1333 | VI.B.3.h.7. | Extent of any known plume of contamination   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1334 | VI.B.3.i.   | Complete and submit the statement indicating:  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1335 | VI.B.3.i.1. | Typical depth to groundwater in the uppermost aquifer  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1336 | VI.B.3.i.2. | The name of the geological formation the uppermost aquifer is located in   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1337 | VI.B.3.i.3. | The lithological description of the formation  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1338 | VI.B.3.i.4. | The formation thickness  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1339 | VI.B.3.i.5. | The general direction of groundwater flow  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1340 | VI.C.       | <b>Exemption from Groundwater Monitoring</b>   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1341 | VI.C.~a.    | If applicable, demonstrate potential for migration of liquid from waste management unit to the upper most aquifer during active life of unit | 335.156(b)(4)                      |  |  |  | Please provide an answer in the Submitted column! |
| 1342 | VI.C.~b.    | Provide demonstration certified by qualified geologist or geotechnical engineer  | 335.156(b)(4)                      |  |  |  | Please provide an answer in the Submitted column! |
| 1343 | VI.C.~c.    | Address the following:   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1344 | VI.C.1.     | Thickness of soil between the base of the unit and saturated zone  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1345 | VI.C.2.     | Thickness of saturated zone  |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1346 | VI.C.3.     | Head pressure of the liquids   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1347 | VI.C.4.     | Properties of the saturated and unsaturated zone (including permeability, effective porosity, and homogeneity)                               |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1348 | VI.C.5.     | Total life of facility   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1349 | VI.D.       | <b>Unsaturated Zone Monitoring</b>   | 264.278                            |  |  |  | Please provide an answer in the Submitted column! |
| 1350 | VI.D.1.     | Provide list of all hazardous constituents:  | 264.278(a)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1351 | VI.D.1.a.   | Current parameters   | 264.278(a)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1352 | VI.D.1.b.   | Proposed parameters  | 264.278(a)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1353 | VI.D.2.     | Provide number of soil-pore liquid sample points:  | 264.278(b)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1354 | VI.D.2.c.   | Depth of sample points   | 264.278(b)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1355 | VI.D.2.d.   | Equipment used for soil-pore liquid monitoring   | 264.278(b)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1356 | VI.D.3.     | Provide number of soil-core sampling points:   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1357 | VI.D.3.e.   | Depth of soil-core sampling points   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1358 | VI.D.3.f.   | Indicate on a facility map location of all sampling points   |                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1387 | VII.A.6.    | Closure of Surface Impoundments: plan must ensure that closure will:   | 335.169; 264.228                   |  |  |  | Please provide an answer in the Submitted column! |
| 1388 | VII.A.6.a.  | Remove and decontaminate all wastes and contaminated materials   | 335.169(a)(1); 264.228(a)(1)       |  |  |  | Please provide an answer in the Submitted column! |
| 1389 | VII.A.6.b.  | Eliminate free liquid wastes or solidify/stabilize remaining materials   | 335.169(a)(2); 264.228(a)(2)(i-ii) |  |  |  | Please provide an answer in the Submitted column! |

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| 1390 | VII.A.6.c.   | SI Final cover must be designed and constructed to:  | 264.228(a)(2)(iii)                                   |  |  |  | Please provide an answer in the Submitted column! |
| 1391 | VII.A.6.c.1. | Provide long-term minimization of the migration of liquids through the closed impoundment  | 335.169(a)(2)(A);<br>264.228(a)(2)(iii)(A)           |  |  |  | Please provide an answer in the Submitted column! |
| 1392 | VII.A.6.d.   | Minimize maintenance   | 335.169(a)(2)(B);<br>264.228(a)(2)(iii)(B)           |  |  |  | Please provide an answer in the Submitted column! |
| 1393 | VII.A.6.e.   | Promote drainage and minimize erosion or abrasion  | 335.169(a)(2)(C);<br>264.228(a)(2)(iii)(C)           |  |  |  | Please provide an answer in the Submitted column! |
| 1394 | VII.A.6.f.   | Accommodate settling and subsidence  | 335.169(a)(2)(D);<br>264.228(a)(2)(iii)(D)           |  |  |  | Please provide an answer in the Submitted column! |
| 1395 | VII.A.6.g.   | Ensure that permeability is less than or equal to bottom liner system or natural sub-soil present  | 335.169(a)(2)(E);<br>264.228(a)(2)(iii)(E)           |  |  |  | Please provide an answer in the Submitted column! |
| 1396 | VII.A.6.h.   | For clean closure, the closure plan must identify 350.32 Remedy Standard A   | 350.32 Remedy Standard A                             |  |  |  | Please provide an answer in the Submitted column! |
| 1397 | VII.A.6.i.   | If wastes are left in place, applicant must comply with closure requirements for landfills per 264.310 and post closure per 264.117 through 264.120. The closure and post-closure plan must include: | 335.169(b); 264.228(b);<br>350.33 Remedy Standard B. |  |  |  | Please provide an answer in the Submitted column! |
| 1398 | VII.A.6.i.1. | Maintaining the integrity and effectiveness of final cover including repairs of the cap  | 335.169(b)(1); 264.228(b)(1)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1399 | VII.A.6.i.2. | Maintenance and monitoring of leak detection system  | 335.169(b)(2); 264.228(b)(2)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1400 | VII.A.6.i.3. | Maintenance and monitoring of groundwater monitoring system  | 335.169(b)(3); 264.228(b)(3)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1401 | VII.A.6.i.4. | Prevention of erosion from run-on and run-off  | 335.169(b)(4); 264.228(b)(4)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1402 | VII.A.6.j.   | If intend to remove wastes but do not have constructed liner system, contingent post-closure plan per 264.118 and cost estimates per 264.142 & 264.144 must be included                              | 335.169(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 1403 | VII.A.7.     | Closure of Waste Piles: Plan must ensure that closure will:  | 264.258  |  |  |  | Please provide an answer in the Submitted column! |
| 1404 | VII.A.7.a.   | Remove or decontaminate all wastes and contaminated materials  | 264.258(a); 350.32 Remedy Standard A                 |  |  |  | Please provide an answer in the Submitted column! |
| 1405 | VII.A.7.b.   | If not all contaminated materials can be removed, applicant must close the waste pile as a landfill, and provide post-closure care plan per 264.310  | 264.258(b); 350.33 Remedy Standard B                 |  |  |  | Please provide an answer in the Submitted column! |
| 1406 | VII.A.7.c.   | If intend to remove wastes but do not have constructed liner system, contingent post-closure plan per 264.118 and cost estimates per 264.142 & 264.144 must be included                              | 264.258(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 1407 | VII.A.8.     | Closure of Land Treatment Units: Plan must ensure that:  | 335.172; 264.280                                     |  |  |  | Please provide an answer in the Submitted column! |
| 1408 | VII.A.8.a.   | During closure of land treatment facilities the owner or operator must comply with the following:  |  |  |  |  | Please provide an answer in the Submitted column! |
| 1409 | VII.A.8.a.1. | Continue operations necessary to maximize degradation, transformation, or immobilization of hazardous constituents   | 335.172(a)(1); 264.280(a)(1)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1410 | VII.A.8.a.2. | Minimize run-off of hazardous constituents   | 335.172(a)(2); 264.280(a)(2)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1411 | VII.A.8.a.3. | Maintain run-on control system   | 335.172(a)(3); 264.280(a)(3)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1412 | VII.A.8.a.4. | Maintain run-off management system   | 335.172(a)(4); 264.280(a)(4)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1413 | VII.A.8.a.5. | Control wind dispersal of hazardous waste  | 335.172(a)(5); 264.280(a)(5)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1414 | VII.A.8.a.6. | Continue to comply with prohibitions and controls concerning food chain crops per 264.276  | 335.172(a)(6); 264.280(a)(6)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1415 | VII.A.8.a.7. | Continue unsaturated zone monitoring per 264.278   | 335.172(a)(7); 264.280(a)(7)                         |  |  |  | Please provide an answer in the Submitted column! |
| 1416 | VII.A.8.a.8. | Maintain vegetative cover  | 335.172(a)(8); 264.280(a)(8)                         |  |  |  | Please provide an answer in the Submitted column! |

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| 1417 | VII.A.8.b.   | Submit closure certification per 264.115 signed by an independent licensed Geoscientist or PE   | 335.172(b); 264.280(b)                                       |  |  |  | Please provide an answer in the Submitted column! |
| 1418 | VII.A.9.     | Closure of Landfills: plan must ensure that:  | 335.174; 264.310   |  |  |  | Please provide an answer in the Submitted column! |
| 1419 | VII.A.9.a.   | Plans and engineering report that describe the final cover components in detail. Cover installation and construction quality assurance procedures should be thoroughly described  | EPA Publication 530-SW-85-014; TCEQ Technical Guidance No. 3 |  |  |  | Please provide an answer in the Submitted column! |
| 1420 | VII.A.9.b.   | Adequate cover, designed and constructed to:  |  |  |  |  | Please provide an answer in the Submitted column! |
| 1421 | VII.A.9.b.1. | Provide long-term minimization of migration of liquids through the closed landfill  | 335.174(a)(1); 264.310(a)(1)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1422 | VII.A.9.b.2. | Function with minimum maintenance   | 335.174(a)(2); 264.310(a)(2)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1423 | VII.A.9.b.3. | Promote drainage and minimize erosion or abrasion of the cover  | 335.174(a)(3); 264.310(a)(3)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1424 | VII.A.9.b.4. | Accommodate settling and subsidence without loss of integrity   | 335.174(a)(4); 264.310(a)(4)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1425 | VII.A.9.b.5. | Ensure that the permeability is less than or equal to bottom liner or natural subsoils, if unlined  | 335.174(a)(5); 264.310(a)(5)                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1426 | VII.A.9.c.   | For waste left in place, the closure plan must comply with applicable requirements of 30 TAC 350.33 Remedy Standard B   | 350.33 Remedy Standard B.                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1427 | VII.A.10.    | Closure of Incinerators; plan must ensure that:   | 264.351  |  |  |  | Please provide an answer in the Submitted column! |
| 1428 | VII.A.10.a.  | All hazardous wastes and waste residues including ash, scrubber waters and scrubber sludges, and any structures or operating equipment such as pumps and valves, etc. must be removed from the incinerator site   | 264.351; 350.32 Remedy Standard A                            |  |  |  | Please provide an answer in the Submitted column! |
| 1429 | VII.A.11.    | Closure of Drip Pads; plan must demonstrate that closure will:  | 264.575  |  |  |  | Please provide an answer in the Submitted column! |
| 1430 | VII.A.11.a.  | Remove or decontaminate all waste residues, contaminated containment system components (pads, liners, etc.), contaminated subsoils, and structures and equipment contaminated with waste and leakage  | 264.575(a); 350.32 Remedy Standard A                         |  |  |  | Please provide an answer in the Submitted column! |
| 1431 | VII.A.11.b.  | If not all subsoils can be decontaminated, post-closure care must be submitted per 264.310  | 264.575(b); 350.33 Remedy Standard B                         |  |  |  | Please provide an answer in the Submitted column! |
| 1432 | VII.A.11.c.  | If unit has no liner system, contingent post-closure plan per 264.118 and cost estimate per 264.142 & 264.144 must be submitted   | 264.575(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 1439 | VII.A.13.    | Closure of Containment Buildings: plan must ensure that:  | 264.1102   |  |  |  | Please provide an answer in the Submitted column! |
| 1440 | VII.A.13.a.  | Remove or decontaminate all waste residues, contaminated system components (liners, etc.), contaminated subsoils, structures and equipment.   | 264.1102(a); 350.32 Remedy Standard A                        |  |  |  | Please provide an answer in the Submitted column! |
| 1441 | VII.A.13.b.  | If not all contaminated subsoils can be removed the operator must close the facility and perform post-closure care in accordance with closure and post-closure requirements that apply to landfills (264.310) and 350.33 Remedy Standard B  | 264.1102(b); 350.33 Remedy Standard B.                       |  |  |  | Please provide an answer in the Submitted column! |
| 1442 | VII.A.14.    | Closure of Boilers and Industrial Furnaces (BIF): plan must ensure that closure will:   | 266.102(a)(2)(vii); 264.112(b)                               |  |  |  | Please provide an answer in the Submitted column! |
| 1443 | VII.A.14.a.  | Remove all hazardous wastes, residues (including ash, scrubber waters, scrubber sludges) from the BIF including ductwork, piping, air pollution control equipment, sumps, and any other structures or operating equipment such as pumps, valves, etc. that have come in contact with hazardous wastes | 350.32 Remedy Standard A.                                    |  |  |  | Please provide an answer in the Submitted column! |
| 1455 | VII.C.       | <b>Post-Closure</b>   |  |  |  |  |   |
| 1456 | VII.C.~.     | Post-closure must continue for at least 30 years  | 264.117(a)(1)  |  |  |  |   |

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| 1457 | VII.C.1.       | Provide the post-closure care plan for land treatment unit, landfill, surface impoundment, waste pile, miscellaneous unit, or tank system closed with wastes or waste constituents left in place or closed under contingent closure plan must identify the activities which will be performed and their frequencies; including the following: | 264.118(b)   |  |  |  | Please provide an answer in the Submitted column! |
| 1458 | VII.C.1.a.     | Monitoring activities and frequency at which they will be performed during post-closure   | 264.118(b)(1); 335.172(c); 264.280(c); 335.174(b); 264.310(b); 335.169(b); 264.228(b); 264.258(b); 264.603 |  |  |  | Please provide an answer in the Submitted column! |
| 1459 | VII.C.1.b.     | Description of the planned maintenance activities and frequencies of performing to ensure:  | 264.118(b)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 1460 | VII.C.1.b.1.   | Integrity of the cap and final cover or containment system  | 264.118(b)(2)(i)   |  |  |  | Please provide an answer in the Submitted column! |
| 1461 | VII.C.1.b.2.   | Function of monitoring equipment  | 264.118(b)(2)(ii)  |  |  |  | Please provide an answer in the Submitted column! |
| 1462 | VII.C.1.c.     | Maintain final cover  | 335.174(b)(1); 264.310(b)(1)   |  |  |  | Please provide an answer in the Submitted column! |
| 1463 | VII.C.1.d.     | Continue to operate leachate collection system  | 335.174(b)(2); 264.310(b)(2)   |  |  |  | Please provide an answer in the Submitted column! |
| 1464 | VII.C.1.e.     | Maintain and monitor the leak detection system  | 335.174(b)(3); 264.310(b)(3)   |  |  |  | Please provide an answer in the Submitted column! |
| 1465 | VII.C.1.f.     | Maintain and monitor groundwater/soil monitoring system   | 335.174(b)(4)  |  |  |  | Please provide an answer in the Submitted column! |
| 1466 | VII.C.1.g.     | Prevent run-on and run-off from eroding or damaging the cover   | 335.174(b)(5)  |  |  |  | Please provide an answer in the Submitted column! |
| 1467 | VII.C.1.h.     | Protect and maintain surveyed benchmarks (as applicable) used in complying 264.309  | 335.174(b)(6); 264.310(b)(6)   |  |  |  | Please provide an answer in the Submitted column! |
| 1468 | VII.C.1.i.     | Additional Post-closure for Land Treatment:   | 264.280(c)   |  |  |  | Please provide an answer in the Submitted column! |
| 1469 | VII.C.1.i.1.   | During post-closure of land treatment facilities, the owner or operator must comply with the following:   |  |  |  |  | Please provide an answer in the Submitted column! |
| 1470 | VII.C.1.i.1.a. | Continue all operations (including pH control)  | 264.280(c)(1)  |  |  |  | Please provide an answer in the Submitted column! |
| 1471 | VII.C.1.i.1.b. | Maintain vegetative cover   | 264.280(c)(2)  |  |  |  | Please provide an answer in the Submitted column! |
| 1472 | VII.C.1.i.1.c. | Maintain run-on control system  | 264.280(c)(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 1473 | VII.C.1.i.1.d. | Maintain run-off management system  | 264.280(c)(4)  |  |  |  | Please provide an answer in the Submitted column! |
| 1474 | VII.C.1.i.1.e. | Control wind dispersal of waste;  | 264.280(c)(5)  |  |  |  | Please provide an answer in the Submitted column! |
| 1475 | VII.C.1.i.1.f. | Continue to comply with food-chain crops prohibitions   | 264.280(c)(6)  |  |  |  | Please provide an answer in the Submitted column! |
| 1476 | VII.C.1.i.1.g. | Continue UZM and GW monitoring  | 264.280(c)(7)  |  |  |  | Please provide an answer in the Submitted column! |
| 1478 | VII.C.1.j.1.   | Must comply with 264.601 during the post-closure care period. The post-closure plan under 264.118 must specify the procedures to satisfy this requirement. (For wastes closed in place, the plan must identify 350.33 Remedy Standard B.)   | 264.603  |  |  |  | Please provide an answer in the Submitted column! |
| 1479 | VII.C.2.       | Provide name, address, and phone number of the person or office to contact during post-closure period   | 264.118(b)(3)  |  |  |  | Please provide an answer in the Submitted column! |
| 1480 | VII.C.3.       | Submit a discussion of the future use of land associated with each unit   |  |  |  |  | Please provide an answer in the Submitted column! |
| 1481 | VII.C.4.       | For landfills, surface impoundments, waste piles and land treatment areas closed under interim status, submit the required documentation of the notices under 264.119   | 270.14(b)(14)  |  |  |  | Please provide an answer in the Submitted column! |
| 1482 | VII.C.5.       | If equivalency determination has not been made for landfills, surface impoundments, waste piles and land treatment areas, submit a copy of the demonstration documentation. Complete Table VII.C.5. - Land-Based Units Closed Under Interim Status for all land based units closed under interim status                                       | 270.1(c)(5-6)  |  |  |  | Please provide an answer in the Submitted column! |
| 1483 | VII.D.         | <b>Post-closure cost estimate (except state and federal facilities )</b>  |  |  |  |  |   |

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| 1484 | VII.D.1.a. | Complete and submit Table VII.D. - Unit Post-Closure Cost Estimate in hard copy and editable electronic format  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1485 | VII.D.1.b. | Provide detailed cost estimate of the annual cost of monitoring and maintenance   | TCEQ Technical Guidance No.10   |  |  |  | Please provide an answer in the Submitted column! |
| 1486 | VII.D.2.   | Provide post-closure cost estimate, including:  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1487 | VII.D.2.a. | Assume costs of hiring third parties for all operations   | 264.144(a)(1)                   |  |  |  | Please provide an answer in the Submitted column! |
| 1488 | VII.D.3.   | Total annual cost of post-closure care and contingent post-closure care multiplied by 30 years  | 264.144(a)(2)                   |  |  |  | Please provide an answer in the Submitted column! |
| 1541 | VIII.B.3.  | For a new commercial hazardous waste management facility, submit a written statement signed by an authorized signatory explaining how the applicant intends to provide emergency response financial assurance | 305.44; 305.50(a)(12)(C) or (D) |  |  |  | Please provide an answer in the Submitted column! |
| 1574 | X.D.       | <b>For "One-Stop" Permits only, Provide TCEQ Office of Air Quality information:</b>   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1575 | X.D.1.     | Area map to scale   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1576 | X.D.2.     | Plot plan to scale  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1577 | X.D.3.     | Complete and submit Table X.D.1(a). - Emission Point Parameters in hard copy and editable electronic format   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1578 | X.D.4.     | Process description, operating schedule and flow chart  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1579 | X.D.5.     | Design specifications using OAQ table   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1580 | X.D.6.     | VOC concentrations in water, sludge, or soil  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1581 | X.D.7.     | Exhaust stack or emission point parameters  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1582 | X.D.8.     | BACT documentation for new or modified facilities   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1583 | X.D.9.     | Documentation of compliance with NSPS and NESHAPS   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1584 | X.D.10.    | Documentation as to whether a permit is required for new source review by Part C or D of Title I of Clean Air Act   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1585 | X.D.11.    | Demonstration of emission control reliability   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1586 | X.D.12.    | Results of atmospheric dispersion modeling  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1587 | X.D.13.    | Complete and submit Table X.D.7. - For Fugitive Sources for storage tanks in hard copy and editable electronic format   |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1588 | X.D.14.    | Statement addressing OAQ regulations  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1589 | X.D.15.    | All methods of calculating emissions referenced or justified  |                                 |  |  |  | Please provide an answer in the Submitted column! |
| 1590 | XI.        | <b>Compliance Plan</b>  |                                 |  |  |  |   |