INCINERATOR/SOLID WASTE

**DESIGN REVIEW CHECKLIST**

**☑Reviewers should -** Use Checklists when reviewing any type of VA construction project for the following disciplines:

* Architectural,
* Electrical,
* Heating, Ventilating, and Air Conditioning (HVAC),
* Incineration,
* Plumbing, Fire Protection, and Sanitary,
* Site and Landscape,
* Steam Generation and Distribution, and
* Structural.

**☑Reviewers should -** Ensure that A/E Submission Instructions
(PG-18-15) for Schematic, Design Development, and Construction Documents are followed for various types of VA construction projects.

**☑Reviewers should -** Ensure that every VA construction project is in compliance with all life safety issues.

**☑Reviewers should -** Be aware that these checklists are not all-inclusive but only provide minimum review items.

**INCINERATION / SOLID WASTE**

**DESIGN REVIEW CHECKLIST**

**TITLE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PROJECT NO.**

**LOCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE**

**REVIEWED BY**

**ORGANIZATION**

**GENERAL INFORMATION FOR REVIEWERS**

The reviewer should be thoroughly familiar with the following VA standards before conducting a design review. These are available on CFM website: [***https://www.cfm.va.gov/til***](https://www.cfm.va.gov/til)

| ITEM | DESCRIPTION |
| --- | --- |
| **1.** | **DESIGN MANUALS (PG-18-10)** |
| **2.** | MASTER CONSTRUCTION SPECIFICATIONS (PG-18-1) |
| **3.** | **STANDARD DETAILS (PG-18-4)**  |
| **4.** | **DESIGN AND CONSTRUCTION PROCEDURES (PG-18-3)** |
| **5.** | DESIGN GUIDES (PG-18-12)  |
| **6.** | DESIGN ALERTS  |
| **8.** | **A/E SUBMISSION INSTRUCTIONS, PROGRAM GUIDE (PG-18-15)** |

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**DESIGN REVIEW CHECKLIST**

**TITLE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PROJECT NO.**

**LOCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE**

**REVIEWED BY**

**ORGANIZATION**

**SCHEMATIC 1**

| NO. | INCINERATION / SOLID WASTE – SCHEMATIC 1 ITEM | COMMENTS/YES/NO/NA |
| --- | --- | --- |
| 1 | Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions. |  |
| 2 | Is seismic anchoring and bracing necessary? |  |
| 3 | Have the latest VA Master Spec sections been used? |  |
| 4 | Have latest VA Standard Details been used (for heat recovery boiler)? |  |
| 5 | Does DESIGN REVIEW have latest VA Design Manual? |  |

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**DESIGN REVIEW CHECKLIST**

**TITLE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PROJECT NO.**

**LOCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE**

**REVIEWED BY**

**ORGANIZATION**

**SCHEMATIC 2**

| NO. | INCINERATION / SOLID WASTE – SCHEMATIC 2 ITEM | COMMENTS/YES/NO/NA |
| --- | --- | --- |
| 1 | Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions. |  |
| 2 | Equipment selection and location complies with Solid Waste Processing Systems Design Manual. |  |
| 3 | Life cycle cost method complies with NIST Handbook 135? |  |
| 4 | Acceptable responses to previous comments? |  |

**INCINERATION / SOLID WASTE**

**DESIGN REVIEW CHECKLIST**

**TITLE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PROJECT NO.**

**LOCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE**

**REVIEWED BY**

**ORGANIZATION**

**DESIGN DEVELOPMENT**

| NO. | INCINERATION / SOLID WASTE – DESIGN DEVELOPMENT ITEM | COMMENTS/YES/NO/NA |
| --- | --- | --- |
| 1 | Have DESIGN REVIEW Submission Requirements (PG-18-15) for this review been met? List omissions. |  |
| 2 | Equipment selection and location complies with Solid Waste Processing Systems Design Manual. |  |
| 3 | Acceptable responses to previous comments? |  |
| 4 | Equipment sizing calculations acceptable? |  |
| 5 | Are calculations complete including loads, equipment and systems? |  |
| 6 | Plan views and sections of major equipment show proper access to equipment? |  |
| 7 | Proper ventilation and heating of equipment space shown? |  |
| 8 | Coordination with other disciplines |  |
| 9 | Does design comply with VA Design Manual? |  |
| 10 | Is adequate clearance shown around all equipment? |  |
| 11 | Are Master Specs utilized on current issue? |  |

**INCINERATION / SOLID WASTE**

**DESIGN REVIEW CHECKLIST**

**TITLE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PROJECT NO.**

**LOCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE**

**REVIEWED BY**

**ORGANIZATION**

**CONSTRUCTION DOCUMENTS**

| NO. | INCINERATION / SOLID WASTE – CONSTRUCTION DOCUMENTS ITEM | COMMENTS/YES/NO/NA |
| --- | --- | --- |
| 1 | Have DESIGN REVIEW submission Requirements (PG-18-15) for the review been met? List omissions. |  |
| 2 | Is proper access provided to all items requiring such? |  |
| 3 | Are access catwalks shown in proper relation to items requiring access? |  |
| 4 | Do structural and architectural drawings show catwalks and equipment pads? |  |
| 5 | Acceptable responses to previous comments? |  |
| 6 | Current review of emissions rules. In compliance? |  |
| 7 | Coordination with other disciplines |  |