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PROCEDURE
FOR THE
REVIEW OF RADIOGRAPHIC RECORDS

Project Application 2007 - Seabrook RT Review		Copy No.	Assigned To		
APPROVALS					
TITLE / DEPT. - SIGNATURE - DATE					
REV NO	PREPARED BY	REVIEWED BY	APPROVED BY	NHY ENG	NHY QA
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DOCUMENT NO. 83A5641
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1. OBJECTIVE

This procedure controls the overall performance of the project to :

- 1) re-verify which field welds require radiography,
- 2) generate a listing of field welds,
- 3) re-verify radiographic package contents, and
- 4) to re-verify that NHY retains those radiographic packages for the field welds that required radiographic inspections.

In addition this procedure specifies the final report outline and supporting documents, and overchecks performed by the NES Project Manager.

2. GENERAL

Performance of the project, Verification of Radiographic Records, is conducted in accordance with three procedures. This procedure provides overall control and assembly of all information developed on the project. The specific tasks to review drawings and radiographs are performed under a separate procedure for each activity. Figure 2-1 provides a flow chart for the project.

3. REFERENCES

1. NES Procedure 83A5642, Procedure for the Review of Radiographs
2. NES Procedure 83A5643, Procedure for the Review of Drawings
3. NHY Purchase Order No. 76945

4. SCOPE

The scope of this work includes field welds for the following:

1. ASME B&PV Code Section III, Class 1, 2 & 3 Piping
2. ASME B&PV Code Section III, Class 1 Supports

3. ASME B&PV Code Section VIII, Unfired Vessels
4. ANSI B31.1 Power Piping, Piping

5. TASK INPUT AND OUTPUT

5.1 INPUT

1. Drawing review data sheets (NES Procedure 83A5643)
2. Radiograph review data sheets (NES Procedure 83A5642)
3. NHY "D" Level P&IDs
4. Documents used for input to the drawing review
5. Radiograph signature log
6. NES review signature log
7. Requests for Engineering Services, Corrective Action Reports and NHY responses developed during this project.

5.2 OUTPUT

1. Marked up P&IDs
2. System list of field weld radiography
3. System radiograph reports
4. Final project report
5. PM overcheck data sheets

6. PROCEDURE

- 6.1 Development of the data sheets from the review of radiographs is performed in accordance with Reference 1.
- 6.2 Development of data sheets from the review of drawings is performed in accordance with Reference 2.

- 6.3 As the data sheets from the drawing review procedure are approved by the Project Manager, the system P&ID will be highlighted to show those portions that have been completed.
- 6.4 On a system basis, the Project Manager shall combine the two lists of field welds developed in 6.1 and 6.2 into a single list to show the following:
- Field welds requiring RT where RT exists
 - Field welds requiring RT where RT does not exist or there are deficiencies in the RT records
 - Field welds not requiring RT where RT exists
 - Field welds not requiring RT where RT does not exist
- 6.5 As each system is completed, the Project Manager shall submit an interim report to the NHY IRT Manager which will contain the following:
- The marked up P&ID developed in 6.3 above
 - The list developed in 6.4 above
 - Any discrepancies or anomalies identified for this system
- 6.6 After all systems have been completed, a final report will be submitted to the NHY IRT Manager. The report shall summarize the work procedure followed and the results of the review. The following shall be retained by NES and referenced in the final report:
- The system reports developed in 6.5 above
 - All data sheets developed during the radiograph review and drawing review plus copies of the documents used for input in the drawing review
 - The signature log used in the radiograph review
 - The signature log for NES employees working on this project
 - Copies of Reference 1 and 2 and this procedure
 - Copies of all Requests for Engineering Services, Corrective Action Requests and the NHY responses

7. OVERCHECK

In order for the Project Manager to maintain an overview of the two review tasks (6.1 and 6.2 above) he shall perform an overcheck of these tasks as follows:

- 7.1 On a weekly basis, the Project Manager shall select 5% of the completed data sheets from the Review of Radiographs for overcheck.



- 7.1.1 For each of these selected packages, he shall perform an independent review in accordance with Reference 1 and prepare a data sheet.
- 7.1.2 These data sheets shall be clearly marked "PM's Overcheck" across the face of the data sheet.
- 7.1.3 The Project Manager shall compare the results of his overcheck with the original document reviewer's data sheet. If differences occur, the Project Manager shall determine and take appropriate corrective action.
- 7.2 On a weekly basis, the Project Manager shall select 5% of the completed data sheets from the Review of Drawings for overcheck.
 - 7.2.1 The selected ISO's or drawings shall be independently reviewed by the Project Manager in accordance with Reference 2 and data sheets prepared.
 - 7.2.2 These overcheck data sheets shall be clearly marked "PM's Overcheck" across the face of the form.
 - 7.2.3 The Project Manager shall compare the results of his overcheck with the original Field Engineer's data sheet. If differences occur, the Project Manager shall determine and take corrective action.
- 7.3 The Project Manager shall keep a separate file of the overcheck data sheets and any actions taken.

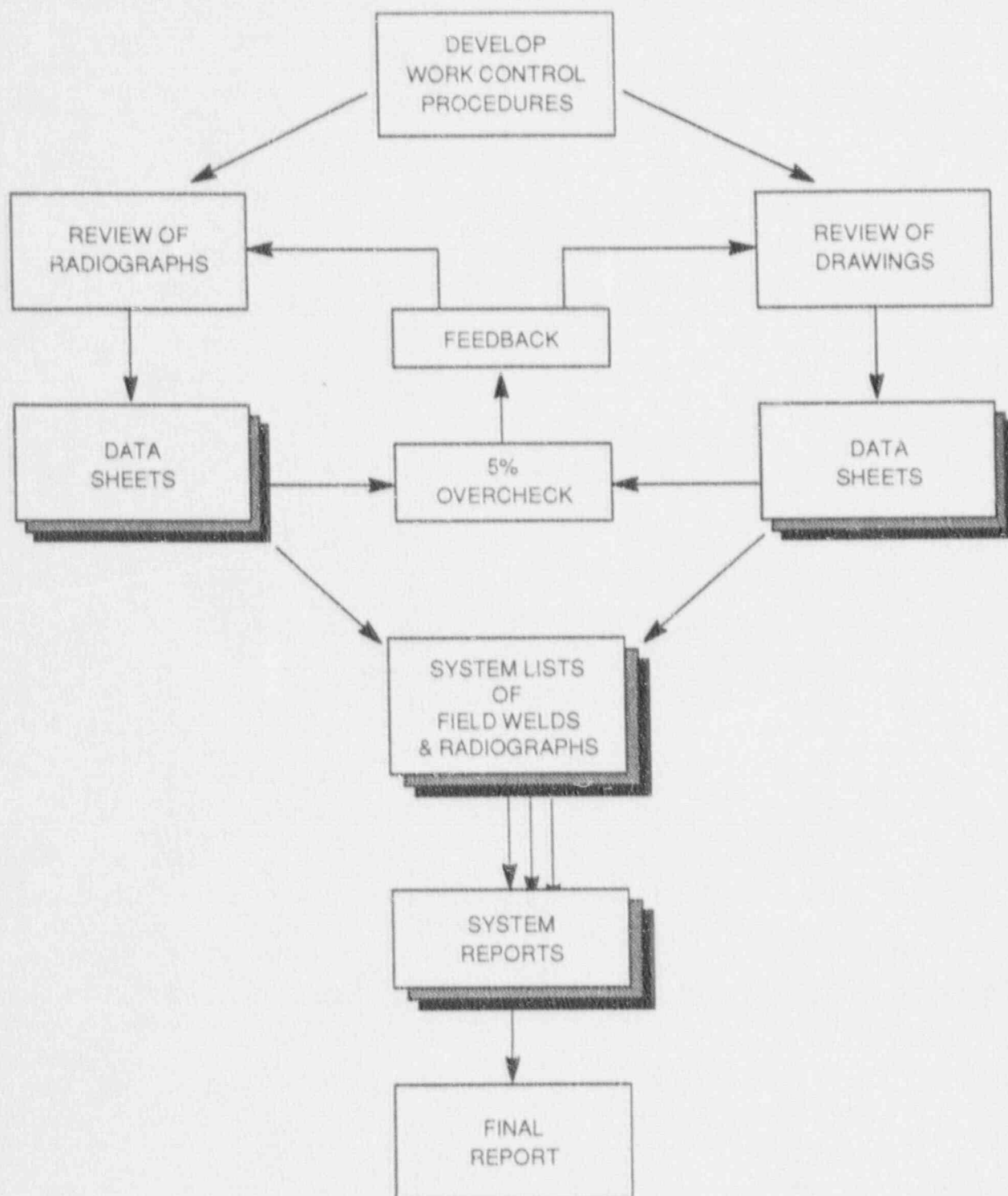


FIGURE 2-1
FLOW CHART