

NRC INSPECTION MANUAL

DQASIP

INSPECTION PROCEDURE 55150

WELD VERIFICATION CHECKLIST

PROGRAM APPLICABILITY: 2512, 2515, 2730

55150-01 INSPECTION OBJECTIVE

01.01 To provide a guidance to the generalist inspector performing inspection of areas interfacing welding.

01.02 To assure continuing monitoring of welding activities by a generalist inspector throughout the construction phase of the plant as well as during maintenance welding activities at operating plants.

01.03 To supplement other inspection procedures interfacing welding; i.e., structural, mechanical, QA, etc.

Inspection Schedule

Inspection schedule is as required by the applicable procedure being supplemented or as needed by the user.

55150-02 INSPECTION REQUIREMENTS

For specific area selected for examination, complete applicable requirements (021 through 212) of the enclosed Weld Verification Checklist.

55150-03 INSPECTION GUIDANCE

General Guidance. The IE inspector performing the weld verification under this procedure should review the content of IE Procedures 55050, Nuclear Welding and 55100, Structural Welding. The intent of this procedure is to provide guidance to the generalist and resident inspector in order to achieve a continuing coverage of the welding activities taking place at the construction site.

This procedure will also be used to supplement inspection performed under the requirements of other IE Manual procedures covering areas such as piping, mechanical, structural, and civil engineering.

The IE inspector can use this procedure to verify the integrity of a completed weld by performing a documentation review (back tracing) or perform actual verification by observing the making of the weld.

The major elements of the weld verification checklist consists of the following verifications:

- Welding procedure and welder qualifications
- Weld filler metal control
- Welding positions
- Preheat and postheat
- Welding technique
- Visual examination

The checklist is intended to provide macro review of welding activities on a continuing basis and is expected to generate informal communications between the generalist/Resident Inspector using the checklist and the regional welding specialist.

Findings from this inspection should address each element as being satisfactory, being unresolved and requiring resolution or being in violation and requiring correction. When significant inadequacies indicating possible generic deficiency are identified, the issue should be addressed at the appropriate level of licensee management.

END

ENCLOSURE

WELD VERIFICATION CHECKLIST

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