

Procedure No. W-SP-3

J. A. JONES CONSTRUCTION COMPANY
SPECIAL PROCESS PROCEDURE
FOR
DISPOSAL OF UNUSED CADWELD POWDER

WATERFORD SES UNIT NO. 3
CONTRACT NO. W3-NY-4

NO.	DATE	ENGINEERING APPROVED BY	DATE	QUALITY ASSURANCE APPROVED BY	DATE	CONSTRUCTION APPROVED BY	DATE
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1.0 PURPOSE

To establish definite procedures to eliminate the possibility of fires from unused cadweld powder.

2.0 SCOPE

This procedure covers the procedure used to dispose of unused cadweld powder for Waterford SES Unit No. 3.

3.0 REFERENCES

3.1 "Cadweld Rebar Splicing," ERICO Products, Inc.

4.0 RESPONSIBILITIES

4.1 J. A. Jones and Subcontractor construction supervisory personnel are responsible to have their welders or welding operators aware of approved procedures prior to the performance of work.

4.2 J. A. Jones and Subcontractor construction supervisory personnel are responsible to assure compliance with this procedure.

5.0 METHODS

5.1 The graphite crucible is placed in a position that will allow the unused molten cadweld filler metal to flow into a dry metal container to prevent any explosions and to contain any sparks.

5.2 A steel dish is placed in the crucible to keep the unused cadweld powder from flowing out of the crucible before the powder is ignited.

5.3 The unused cadweld powder is then poured into the crucible followed by the starting powder.

5.4 A steel crucible extension is provided. Place on top of the graphite crucible.

5.5 Place cover on crucible extension and ignite starting powder with flint gun.

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<p>5.6 The exothermic reaction of the unused cadweld powder metal takes place in the graphite crucible. Molten cadweld filler metal melts the steel disk and flows into the dry metal container.</p> <p>5.7 The cadweld filler metal quickly solidifies.</p>	

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