



TABLE I

MATERIAL	WASTE GAL/MIN	CEMENT LBS/MIN	SODIUM SILICATE GAL/MIN	UNEA CONCENTRATE GAL/MIN	H <sub>3</sub> PO <sub>4</sub> CATALYST GAL/MIN
SODIUM SODIUM 12 W/O	7.5	66.5	0.92	3.22	1.2
SODIUM SILICATE 25 W/O	7.5	16.5	0.58	4.55	0.5
OTHER CHEMICALS 25 W/O	7.5	5.7	0.74		
SPENT RESINS 50 W/O	5.0	74.9	0.54		

**LEGEND**

TEMP °F  
PRESSURE PSIG  
FLOW —  
GPM (LIQUIDS)  
SCFM (AIR)  
LBS/MIN (CEMENT)

**NOTES**

1. THIS DRAWING PROVIDES PROCESS FLOW DATA FOR EQUIPMENT DESIGN AND OPERATING LIMITS. LESS FLOW RATES MAY BE USED FOR SYSTEM DESIGN.

2. PROCESS FLOW DATA IS BASED ON TABLE I DATA. MATERIAL BALANCE IS ASSUMED TO BE CORRECT. THIS DRAWING IS NOT TO BE USED FOR DESIGN OR OPERATING PURPOSES.

**APPROVED**

*[Signature]*

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**CONTRACT INFORMATION**

Customer: *[Blank]*  
Contract No.: *[Blank]*  
Project: *[Blank]*  
Engineer: *[Blank]*  
Checked by: *[Blank]*  
Date: *[Blank]*  
Approved: *[Blank]*  
Submitted Date: *[Blank]*  
Comments: *[Blank]*

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DATE	REVISIONS	BY	REASON

**UNI UNITED NUCLEAR INDUSTRIES, INC.**

**PROCESS FLOW DIAGRAM**

MAPLE HILL NUCLEAR STATION  
UNITS 1 & 2  
PUBLIC SERVICE COMPANY

CONTRACT NO. **77203**

PDR RIDS

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