

40-9048

International Uranium (USA) Corporation

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FAX TRANSMISSION COVER SHEET

Date: September 4, 1998
To: Harold Lefevre
Fax: 301-415-5398
Re: Readable Pages
Sender: Donn M. Pillmore

YOU SHOULD RECEIVE 3 PAGE(S), INCLUDING THIS COVER SHEET. IF
YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL 520-643-7321.

Harold,

Attached are the two pages that needed to be replaced.

Donn

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FML Design Spreadsheet**Tensile Stress-Liner Weight: Evaluation of the ability of FML to support its own weight.****28-May-98**

<i>Parameters</i>	FML specific gravity	0.941	
	Friction angle between FML and lower material	15	degrees
	FML thickness	0.060	inches
	FML yield stress	2200	psi
	Slope angle	26.5	degrees
	Height of slope	40	feet
<i>Analysis</i>	Weight of FML	26.32	lb/foot
	Downslope force	6.31	lb/foot
	Tensile Force	5.46	lb/foot
	FML tensile stress	7.54	psi
	Design Ratio	291.59	Minimum ratio is 10
	is the FML ok on this slope:	Pass	
<i>Pullup Force</i>	Force exerted by heat/cool	18.06	lb/foot
	Tensile Force	25.08	psi
	Design Ratio	87.78	
	is the FML ok on this slope:	Pass	

FML Design Spreadsheet**Tensile Anchorage - Calculate anchor capacity for FML in Anchor Trench configuration.****27-May-98**

<i>Input Parameters</i>	Slope Angle	26.5	degrees
	Soil Friction Angle	35	degrees
	Soil-FML Friction Angle	15	degrees
	Soil Unit Weight	110	pcf
	Depth of Trench	1.5	feet
	Embedment Length	5	feet
	Soil Depth over Embedment	0	feet
<i>Analysis</i>	kp	3.69	
	ka	0.27	
	ko	0.43	
	Weight of soil over embedment	0	psf
	Allowable Tension (passive)	107	lb/foot
	Allowable Tension (ko)	19	lb/foot
	Factor of Safety against pullout	3.00	