



# ***ILC CFS BASELINE TECHNICAL REVIEW***

## ***CFS TECHNICAL DESIGN REPORT***

### ***CONVENTIONAL FACILITIES AND SITING***

***V. Kuchler***

## **General Comments**

- ***To Date, Prioritization of CFS Criteria Gathering, Baseline Drawing and Development of Cost Estimates have Precluded Work on TDR Draft Development***
- ***Progress on the Above Issues Should Provide an Opportunity for Some Draft Writing Prior to KILC12***
- ***Will there be an Area System TDR Update Meeting in the Mid-Summer Time Frame ?***



TDR Outline DRAFT v 1.0							
Ch	Sect	Heading	Pages	Authors			
				Primary	2nd	3rd	Editorial point of contact
6		Conventional Facilities and Siting Studies	10				
6	1	Analysis of options		Kuchler			
6	1.1	Regional lift safety description					
6	1.2	Value engineering study for process water systems					
6	1.3	Tunnel configuration studies					
6	2	Appendices (Actual Studies) - will be referenced					
		Hughes Study 1 & 2					
		Hanson Americas Region Tunnel Configuration Study					
		AAA Report for Tunneling in Asian Mountainous Region					
		J Power Asian Tunnel Configuration Study					
		FP7 Hi-Grade Siting Study for European Region					
		GSPI Report					
		Surface Building Study for Americas Region					
		Tunnel Lining Study for Americas Region					
		Constructability Study for Americas Region					
		Preliminary Underground Timing Schedule					
		ARUP ??					

TDR Outline DRAFT v 1.0					Authors			Editorial point of contact
Ch	Sect	Heading	Pages		Primary	2nd	3rd	
11		Conventional Facilities and Siting	42					
11	1	Introduction and overview		8	Kuchler			
11	1.1	Description of design maturity						
		Description of major design changes SB 2009						
11	1.2	Scaled shaft 7 mechanical design to complete design						
11	1.3	HLRF alternatives						
11	1.4	MDI/Interaction Region						
11	2	Asian region siting studies		5	Enomoto			
11	3	European region siting studies		5	Osborne			
11	4	Asian region civil design		5	Enomoto			
11	5	Americas region civil design		5	Lackowski			
11	6	European region design		5	Osborne			



## Global Design Effort - CFS

TDR Outline DRAFT v 1.0					Authors			Editorial point of contact
Ch	Sect	Heading	Pages		Primary	2nd	3rd	
11	7	Mechanical design						
11	7.1	Criteria and Basis of Design						
11	7.2	Asian region DRFS		4	<a href="#">Enomoto</a>			
11	7.2.1	Process water						
11	7.2.2	Piped utilities						
11	7.2.3	Air treatments						
11	7.3	Americas region KCS		4	<a href="#">Hammond</a>	Huedem		
11	7.3.1	Process water						
11	7.3.2	Piped utilities						
11	7.3.3	Air treatments						
11	7.4	Americas region DRFS		4	<a href="#">Hammond</a>	Huedem		
11	7.4.1	Process water						
11	7.4.2	Piped utilities						
11	7.4.3	Air treatments						
11	8	Electrical design		5	<a href="#">Wieglos</a>			
11	8.1	Criteria and Basis of Design						
11	8.2	Asian region DRFS		4	<a href="#">Enomoto</a>			
11	8.3	Americas region KCS		4	<a href="#">Hammond</a>	Huedem		
11	8.4	Americas region DRFS		4	<a href="#">Hammond</a>	Huedem		
11	9	Handling equipment			<a href="#">Osborne</a>	Ruehl		
11	10	Safety Equipment			<a href="#">Update RDR?</a>			
11	11	Alignment and Survey			<a href="#">Update RDR / Mainaud-Durand</a>			
11	12	Construction Schedule			<a href="#">Gastel</a>	Foraz		
11	13	Installation						