

1 Q. Further to the response to PUB-NLH-22, provide the worst case for the expected
2 accuracy ranges.

3
4
5 A. Further to the response to PUB-NLH-22, the worst case accuracy ranges are
6 reflected in the expanded table below.

7
8 **AACE Estimate Classification**

9 Ref. AACE International Recommended Practice No. 17R-97, "Cost Estimate Classification
10 System", and AACE International Recommended Practice No. 18R-97 "Cost Estimate
11 Classification System – As Applied in Engineering, Procurement, and Construction for the
12 Process Industries"

Estimate Class	Level of Project Definition	End Usage	Methodology	Expected Accuracy Range Best Case	Expected Accuracy Range Worst Case
5	0 – 2%	Screening/ Feasibility	Stochastic/ Judgment	+40% to -20%	+100% to -50%
4	1% - 15%	Concept Study	Primarily Stochastic	+30% to -15%	+50% to -30%
3	10% - 40%	Budget/ Authorization	Mixed/Primarily Stochastic	+20% to -10%	+30% to -20%
2	30% - 70%	Control Bid/ Tender	Primarily Deterministic	+10% to -5%	+20% to -15%
1	50% - 100%	Check Estimate	Deterministic	+10% to -5%	+15% to -10%