Hopi Arsenic Mitigation Project
Date: 6/6/14
Prepared By: Adam E Hughes, PE

HAMP SEGMENT H COST ESTIMATE

Schedule A: Project Planning & Design

Item	Description	Quantity	Units	Units Cost	Total
52	Geotechnical Investigations	1	LS	$ 25,000.00	$ 25,000.00
				Planning & Design Total:	**$ 25,000.00**

Schedule B: Construction

Item	Description	Quantity	Units	Units Cost	Total
53	6" Water Main, 235 PSI rated	9,000	LF	$ 30.00	$ 270,000.00
54	6" Gate Valves	7	EA	$ 1,500.00	$ 10,500.00
55	Air Relief Valves	2	EA	$ 2,750.00	$ 5,500.00
56	Altitude Valve & Vault	1	EA	$ 30,000.00	$ 30,000.00
57	110,000 gallon Water Storage Tank	1	LS	$ 165,000.00	$ 165,000.00
58	Master Meter	1	EA	$ 10,000.00	$ 10,000.00
59	Road Excavation and Repair - Unpaved Open Cut	2,400	LF	$ 26.00	$ 62,400.00
60	Paved Road Crossing - Bore with Casing	150	LF	$ 480.00	$ 72,000.00
61	Sipaulovi/Mishongnovi Disinfection Facility	1	EA	$ 30,000.00	$ 30,000.00
62	Power Extension to Disinfection Facility	1	EA	$ 15,000.00	$ 15,000.00
				Construction Total:	**$ 670,400.00**

Schedule C: O&M Support

Item	Description	Quantity	Units	Units Cost	Total
63	1-Year Start-Up Assistance	10	DAYS	$ 500.00	$ 5,000.00
64	O&M Materials, Equipment and Space	1	LS	$ 15,000.00	$ 15,000.00
65	O&M Manual Development	1	LS	$ 10,000.00	$ 10,000.00
				Post Construction Total:	**$ 30,000.00**

Planning & Design Total (Schedule A)		**$ 25,000.00**	
Construction Total (Schedule B)		**$ 670,400.00**	
O&M Support Total (Schedule C)		**$ 30,000.00**	
Contingency (Schedules A, B, & C)		**$ 72,540.00**	10.00%
		Subtotal	**$ 797,940.00**
TERO/Tribal Tax	0.5%	**$ 3,989.70**	
Tribal Procurement 1=YES, 0=NO	1		
Tribal Administrative Support Fee		**$ 15,958.80**	
		Subtotal Tribal Fees	**$ 19,948.50**
PROFESSIONAL FEES:			
IHS Engineering Program Support (EPS)		**$ 47,876.40**	6.00%
		Subtotal Professional Fees	**$ 47,876.40**
IHS Project Technical Support Fee (PTS)		**$ 119,691.00**	15.00%
		Subtotal PTS	**$ 119,691.00**
		Total Phase Cost	**$ 985,455.90**
		Rounded	**$ 985,000.00**