

Gilsenan, Michael

From: Radhakrishnan, Krish
Sent: Monday, June 24, 2002 4:23 PM
To: Gilsenan, Michael (ex)
Subject: FW: Cost estimates for indoor.

fyi. Please open the Excel file. This was the file that I emailed to EPA.

-----Original Message-----

From: Radhakrishnan, Krish
Sent: Wednesday, June 19, 2002 5:21 PM
To: 'LaPosta.Dore@epamail.epa.gov'
Subject: Cost estimates for indoor.

Please find the revisewd cost estimates. Please call me at (718) 595-3721, if you have any quesions. Thanks.



INDOOR APTS
CLEAN UP5.xls

		EPA INDOOR CLEAN UP & TESTING PROGRAM						
	PHASE I							
	CLEAN UP							
			Studio	One BR	Two BR	Three BR	Four BR	TOTAL
1	Number of calls	7000						
2	Distribution of apts - %		5	20	50	20	5	
3	Distribution of apts		350	1400	3500	1400	350	7000
4	Cost of cleaning / apt (Scope of work A)		\$3,000	\$3,500	\$4,000	\$4,500	\$5,000	
5	Total Cost of cleaning for Scope A		\$1,050,000	\$4,900,000	\$14,000,000	\$6,300,000	\$1,750,000	
6	Number of calls - Scope A with AFD	3000	5	20	50	20	5	
7	Distribution of apts		150	600	1,500	600	150	3,000
8	Cost of cleaning / apt (Scope of work A) with AFD		\$3,600	\$4,100	\$4,600	\$5,100	\$5,600	
9	Total Cost of cleaning Scope A with AFD		\$540,000	\$2,460,000	\$6,900,000	\$3,060,000	\$840,000	
10	Total Cost of cleaning		\$1,590,000	\$7,360,000	\$20,900,000	\$9,360,000	\$2,590,000	\$41,800,000
11	Number of apt. that may require Scope of work B	500						
12	Distribution of apts - %		5	20	50	20	5	
13	Distribution of apts		25	100	250	100	25	500
14	Cost of cleaning / apt (Scope of work B)		\$4,600	\$5,300	\$6,000	\$6,700	\$7,000	
15	Total Cost of cleaning		\$115,000	\$530,000	\$1,500,000	\$670,000	\$175,000	\$2,990,000
	COMMON SPACES							
16	Number of common spaces(floors) to be cleaned	3000						
17	Common spaces area /floor - sqft	1200						
18	No. of floors with debris(Scope B)	500						
19	Clean up cost of floors with no debris @) \$0.75	\$2,250,000						\$2,250,000
20	Cost of clean up of common areas(Scope B) @\$2.5	\$1,500,000						\$1,500,000
21	Total							\$3,750,000
	HVAC							
22	Number of apts that needs HVAC clean up	1,000						
23	Cost of HVAC duct clean up @\$1000	\$1,000,000						\$1,000,000
24	TOTAL CLEAN UP COST							\$49,540,000

	PHASE I							
	PROJECT MONITORING & AIR SAMPLING							
			Studio	One BR	Two BR	Three BR	Four BR	TOTAL
25	Number of calls	10,500						
26	Distribution of apts - %		5	20	50	20	5	
27	Distribution of apts		525	2100	5250	2100	525	10500
28	Number of air samples		3	5	5	5	5	
29	Man-hours to collect air samples		8	8	8	8	8	
30	Cost of sampling collection @\$50/hr		\$400	\$400	\$400	\$400	\$400	
31	Total cost for collecting air samples		\$210,000	\$840,000	\$2,100,000	\$840,000	\$210,000	\$4,200,000
32	Man-hours for supervision(consultant) /apt		3	4	4	4	4	
33	Total cost for supervision @\$80/hr		\$126,000	\$672,000	\$1,680,000	\$672,000	\$168,000	\$3,318,000
34	Man-hours for coordination / apt		3	3	3	3	3	
35	Total cost for coordination @\$30/hr		\$47,250	\$189,000	\$472,500	\$189,000	\$47,250	\$945,000
	COMMON SPACES							
36	No. of floors with debris(Scope B)	500						
37	Number of air samples	5						
38	Man-hours to collect air samples	8						
39	Cost of sampling collection @\$50/hr	\$400						
40	Total cost for collecting air samples	\$200,000						\$200,000
41	Man-hours for supervision(consultant) /apt	4						
42	Total cost for supervision @\$80/hr	\$160,000						\$160,000
43	Man-hours for coordination / apt	3						
44	Total cost for coordination @\$30/hr	\$45,000						\$45,000
	HVAC							
45	Number HVAC inspections	5,000						
46	Cost of inspection / apt	\$500						
47	Total cost of inspection	\$2,500,000						\$2,500,000
48	Sample shipping cost ????????							\$30,000
49	TOTAL COST (Project monitoring& air sampling)							\$11,398,000
50	TOTAL PROJECT COST							\$60,938,000

Krish INDOOR APTS CLEAN UP5 3/17/2003

Assumption: Clean up will be conducted simultaneously and the consultant can supervise more than one apt. at any given time.

Shipping cost????

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