

US EPA ARCHIVE DOCUMENT

Rhode Island Underground Storage Tank Inspection Program - Economic Analysis

		I	II			II		
		Traditional Inspection	ERP (100 Sample Size)			ERP (250 Sample Size)		
		~250 per year	100 per year	100 per 2 years	100 per 3 years	250 per 2 years	250 per 3 years	
1	Personnel Required	40% Inspector1	36,964	\$14,786	\$7,393	\$4,929	\$18,482	\$12,321
		20% Inspector2	16,698	\$6,679	\$3,340	\$2,226	\$8,349	\$5,566
		90% Inspector3	95,566	\$38,226	\$19,113	\$12,742	\$47,783	\$31,855
		5% Inspector4	5,878	\$2,351	\$1,176	\$784	\$2,939	\$1,959
		10% Insp. Supervisor*	13,676	\$13,676	\$13,676	\$13,676	\$13,676	\$13,676
2	Annual Personnel Cost (Salary, benefits, overtime)	\$168,782	\$75,718	\$44,697	\$34,357	\$91,229	\$65,378	
3	Travel Expense 30 miles ave./trip @ \$.48/mile	\$3,600	\$1,440	\$720	\$480	\$1,440	\$960	
4	TOTAL ANNUAL INSPECTION OPERATING COSTS	\$172,382	\$77,158	\$45,417	\$34,837	\$92,669	\$66,338	
5	ERP Annual Operating Costs including:** - ERP Manager (\$12,000 for 100; \$18,000 for 250) - Staff Person (20,000 per year, fixed cost) - Data Entry (intern - \$1500 for 100, \$4000 for 250) - mailing costs for 750 facilities (\$2000)		\$35,500	\$17,750	\$11,833	\$22,000	\$14,667	
6	TOTAL ANNUAL INSPECTION AND ERP COSTS (4+5)		\$112,658	\$63,167	\$46,670	\$114,669	\$81,005	
7	NET ANNUAL SAVINGS FROM TRADITIONAL PROGRAM (4A-6)		\$59,724	\$109,215	\$125,712	\$57,713	\$91,377	
8	ERP START-UP COSTS*** workbook, checklist development workshops, baseline analysis		\$73,000	\$73,000	\$73,000	\$73,000	\$73,000	
9	Years to Recover ERP Start-up Costs (Payback) (8 divided by 7)		1.22	0.67	0.58	1.26	0.80	