Table 3.4 Worksheet for Evaporation Pond Model

WORKSHEET for Evaporation Pond Disposal Capital Costs					
Preliminary Level Cost					
	Variable				
ENTER variable values	**range**	**example**	**case 1**	**case 2**	**case 3**
A - evaporative surface (acres)	0 to 100	10			
B - dike height (ft)	4, 8, 12	8			
C - total liner thickness (mils)	20 to 120	60			
D - land unit cost ($/acre)	0 - 10,000	5000			
E - land type (see note 1 below)	1,2, 3, 4	3			
CALCULATION of total acreage	**Action**				
F - ratio: total acreage to evaporative acreage	use Figures 9.2, 9.3	1.36			
G - total acreage	= A*F	13.6			
FIND unit area costs from figures using total acreage, G	**Action**	**cost, $**			
H - land, $/acre	same as E	5000			
I - land clearing (see note 1 below), $/acre		4000			
J - dike, $/acre	use Figures 9.4, 9.5	8600			
K - nominal liner, $/acre	use Figures 9.7, 9.8	22680			
L - liner, $/acre	=K*D/60	22680			
M - fence, $/acre	use Figures 9.9, 9.10	4500			
N - road, $/acre	use Figures 9.11, 9.12	770			
TOTAL Unit Cost	add H, I, J, L, M & N	45550			
TOTAL	above times G	619480			
	add engineering at 10%	61948			
	add contingency at 10%	61948			
	GRAND TOTAL	**743376**			
COMMENTS:	note 1:	clearing cost ($/acre):			
		1-brush		$1,000	
		2-sparsely wooded		$2,000	
		3-medium wooded		$4,000	
		4-heavily wooded		$7,000	