

Lemmons Pharmaceuticals For End Year 2008

Environ cost

% OF
Operating cost

Prevention cost

Training (environmental
related)

150.000

0.13 %

150.000

Detection cost

Testing for contamination

1.200.000

Measuring contamination

120.000

1.3 %

Performing environ

240.000

1.560.000

Internal Failure

Inefficient material

2400.000

Operating pollution

1.970.000

Maintaining pollution

720.000

12.24 %

Treating & poisoning

9.6000

14.690.000

External Failure

Clean up of contaminated

3.600.000

3.600.000

3 %

20.000.000

16.67 %

Clean up $\rightarrow 12.000.000 \approx 2.100.000$ /year

Loss of recreational $\rightarrow 4.800.000$

External Failure : $3.600.000 + 2.100.000 + 4.800.000 = 10.500.000$

total New environ : 26.900.000

External failure % : $\frac{10.500.000}{26.900.000} \times 100 \% = 8.75 \%$

New company
Quality cost

2007

2008

Prevention cost

field trials

450.000

900.000

Quality training

120.000

300.000

Process Acceptance

150.000

Total

570.000

1.350.000

% OF Sales

3.16%

7.5%

Appraisal cost

reception

300.000

150.000

Packaging Inspection

180.000

120.000

Product Inspection

150.000

90.000

Total

630.000

360.000

% OF Sales

3.5%

2%

Internal Failure

Retesting

435.000

105.000

Total

435.000

105.000

% OF Sales

2.42%

0.58%

External Failure

lost sales (esh)

900.000

600.000

Recalls

600.000

300.000

Complaint Adjust

465.000

285.000

Total

1965.000

1.185.000

% OF Sales

10.92%

6.58%

Control cost 2007	: 570.000 + 630.000	: 1.200.000	6.67%
Control cost 2008	: 1.350.000 + 360.000	: 1710.000	3.5%
		510.000	2.83%

Control cost : 510.000 or 2.83% OF Sales FROM

Qc to 2.5% OF 18.000.000 : 450.000

Qc 2008 : 3.000.000

Δ Qc.. 2550.000 (3000.000 - 450.000)