

Number (model : observed)	Original plume-rise algorithm	New plume-rise algorithm (layered approach)	New plume-rise algorithm driven by CEMS data
Total number of comparisons: 176			
Below 1 : 2 line	116	24	29
Between 1 : 2 and 1 : 1 line	44	54	55
Between 1 : 1 and 2 : 1 line	15	75	69
Above 2 : 1 line	10	22	22
Average plume height (m) (observed: 822 m)	289	935	914
Ratio of average simulated to observed plume height	0.35	1.13	1.11