

# The World's Reactors

## No. 16 PLUTO

### KEY

1. Fuel elements
2. Steel thermal shield
3. Lead gamma shield
4. Graphite reflector
5. Aluminium reactor tank
6. Steel tank
7. Experimental facilities
8. Gamma shield cooling
9. Coarse control arm
10. Heavy water level pipe
11. Heavy water inlet pipes
12. Heavy water outlet pipes
13. Helium duct
14. Air ducts
15. Biological shield
16. Steel outer casing
17. Removable access plates
18. Top plate
19. Access plug
20. Fine control rod cooling pumps
21. Fine control rod drive
22. Coarse control arm drive
23. Removable shielding
24. Ion chamber holes
25. Movable floor
26. Movable floor locating pockets
27. Heavy water coolers
28. Heavy water circulating pumps
29. Heavy water storage vessel
30. Shut down pump
31. Dump tank
32. Main tank
33. Helium gas holders
34. Expansion tanks
35. Main circulating pump
36. Transfer pump
37. Liquid level control pump
38. Recombination unit
39. Helium purifying unit
40. Dump valve
41. Ion exchange unit
42. Active element storage
43. Fuel element assembly station
44. Health monitors
45. Decontamination water sprays
46. Crane track
47. Emergency exit
48. Life
49. Control room
50. Sealed Reactor building
51. Emergency control
52. Delay tanks
53. Active area building
54. Laboratories and offices
55. Cooling towers
56. Water treatment building
57. Vehicle airlock
58. Personnel airlock



