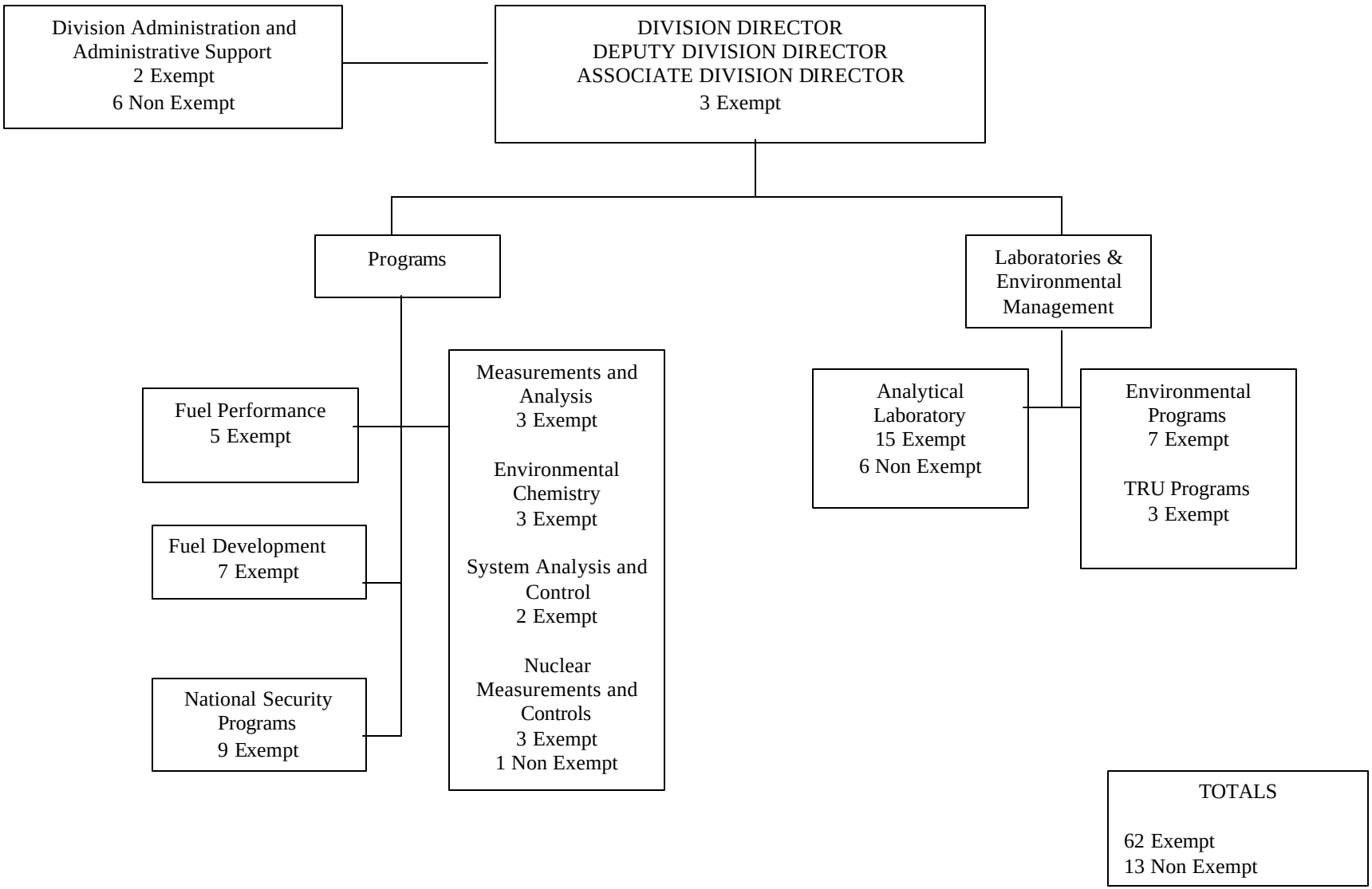NUCLEAR TECHNOLOGY DIVISION