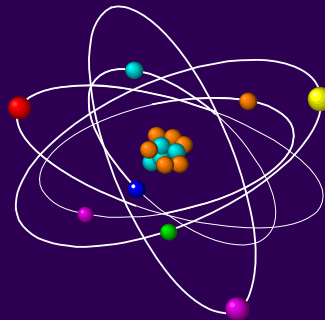


IRMF 5th Gamma Comparison – Summary & Status November 2007



D R McClure
Radiation Metrology
Group Leader



November 2007

Centre for Radiation, Chemical and Environmental Hazards
Radiation Protection Division
formerly the National Radiological Protection Board

Initiated in 2005 - Schedule planned for 2006

Nuclides – ^{137}Cs , ^{60}Co & ^{241}Am

- Ion chamber – Smartlon
- Compensated GM – MC20 + Electra
- EPD mkII

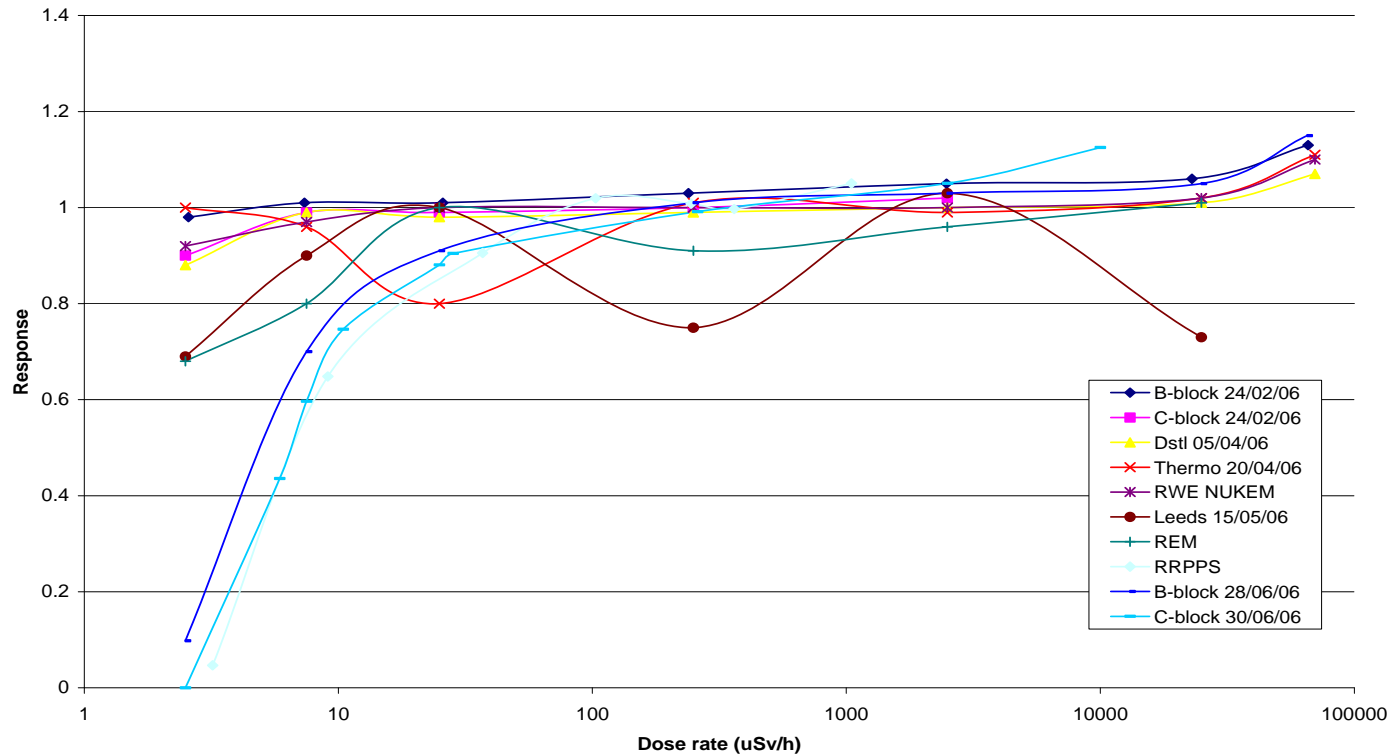
- Initially 11 facilities - 1 anonymous
- Schedule made provision for regular checks

2006 - Change of Plan !

- Additional participants
- Problems with Smartlon

History

- Smartlon Problem, June 2006



2006 - Change of Plan !

- Participants repeating measurements
- ^{210}Po Incident
- Changes at NPL
- Delays in reporting - Some participants report to HPA some to NPL

Where are we now?

- Best guess !



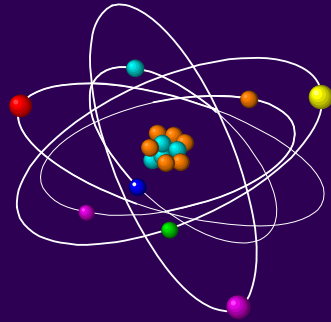
| Participant | Contact | Results |
|--------------------------|---------------------|---------|
| Dstl Alverstoke | John Bennett | Part |
| Thermo-Fisher Beenham | Chris Hill | Part |
| RRPPS Birmingham | Denise Delahunty | Part |
| RWE Nukem Winfrith | Andy Galpin | Part |
| Anonymous | n/a | Full |
| HPA x 4 | Various | Full |

| Participant | Contact | Results |
|------------------------------------|------------------|---------|
| Forster Green Hospital, Belfast | Roy Mooney | Full |
| Johnson Controls Dounreay | Will Macivor | Full |
| BIL Solutions Berkeley | Norman Butler | None |
| AWE Aldermaston ? | John Wardle | None |
| NPL | Martin Kelly | Full |
| Others ? | ? | ? |

Options:-



- Abandon and start again
 - No concerns regarding Smartlon results
 - Changes in participants
 - Opportunity to plan afresh
- Obtain full results set and proceed as normal
 - HPA & NPL confident effort available in new year
 - MC20 & EPD results likely to be very robust
 - Smartlon experience useful
 - UKAS



Questions?

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