

Total units  
64 million

1000

Home  
a lot  
poor

SECRET

10/2/20

10/2/20

15

7

7

1

—

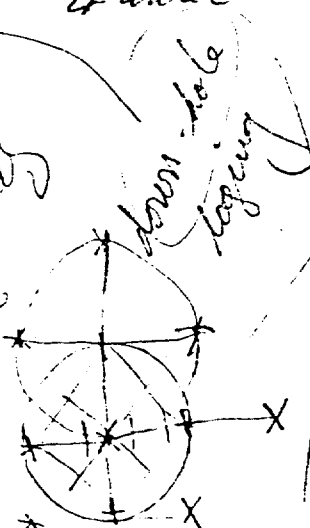
1

X

2

2

7



•

Boken pockets go down ~120 cm (perhaps)

- Get condition D rewritten

[personal  
opinion]

- Use lower than 160 because taken  
point ~~x~~ samples are so variable.

Ex: vicinity of — a coherent  
burial area

alice

|    |    |    |    |    |    |    |     |    |     |
|----|----|----|----|----|----|----|-----|----|-----|
|    |    |    |    |    | 18 | 16 | 26  | 80 |     |
|    | 24 | 23 | 20 | 14 | 13 | 13 | 21  | 61 | 290 |
|    | 13 | 14 | 15 | 17 | 30 | 31 | 117 |    |     |
|    | 19 | 20 | 33 | 33 | 41 |    |     |    |     |
| 58 | 69 |    |    |    |    |    |     |    |     |

Scanned  
document  
X.

1. Duplicates and spikes are, according to the "Quality Control Procedure" supposed to be run once a week. In fact, the frequency has been once a month for months Aug - December.

Reasons: a) During early months there were very few field samples collected  
⇒ no one is doing duplicates.  
This also inhibited running of spiked samples.

b) Procedures were not typed up and signed by DOE manager.

2. No interpretation or statistical analysis of GC data is done. Reports to DOE/ERSP manager consist only of lists of data with little or no comment.
3. If the difference between the "True" and "Observed" concentrations on spiked samples is more than 20 or 25%, then all the field samples done in the same batch as the spike are reanalysed (I presume a new aliquote is taken)
4. % error are 70
5. aliquots are 5g size

rough estimate.

9. Beta readings are no longer being taken.
10. The highly variable and positively biased  $^{239}\text{Pu}$  (and perhaps  $^{241}\text{Am}$ , wet chemistry) concentrations from spiked samples done during Sept. 1977 were not ball-milled. The poor agreement with the "true" concentration led to the routine procedure of ball-milling all samples.  
(Don't know whether this includes subsurface samples.)
11. Michael Arty will be on the atoll during late June and July.