717303

1244 R

ALICE KOONE
201A DUBOIS ROAD
ANNAPOLIS, MARYLAND 21401

June 6, 1984

Mr. P.T. Marquess
Assistant Manager for Administration
Department of Energy
One Ridge Operations
P.O. Box E
Oak Ridge, Tennessee 37831

Reference: Your Letter to me dated May 25, 1984 - re FOIA Request concerning Missing Uranium from the Y-12 Plant deleted - Control of Nuclear Materials

Dear Sir:

Thank you for your above referred letter and the enclosures entitled "Deleted Version Control of Nuclear Materials in the Y-12 Plant" by Robert A. Harris, etal.- Nuclear Materials Control Division.

The Executive Summary page of this report states that Union Carbide Corporation was in management of the facility from 1943 through 1946.

It is my understanding that when an outside corporation performs management duties, the "outside" corporation/company is operating as an "instrumentality of the United States Government." It is further my understanding that this corporation acts under agreement of a contract and that the information and files generated as the result of the "operations as an instrumentality of the United States Government" are turned over to the contracting agency and filed in the archives files of the U.S.

Therefore, I need a clarifying information of your Executive Summary. Some place in my readings I have read that Union Carbide is a subsidary corporation of another larger parent corporation, therefore, will you please advise me:

1. the Contract Number (s) with Union Carbide and the contract title for the services rendered as mentioned in your report together with the address or location of the contracting entity (or parent corporation)(contract date).
2. Since, it is known that the files generated would be now in the possession of the United States Government, kindly advise me where these files are stored. It is assumed that they would be in the Department of Energy archives but I am not sure if the location is Suitland, Md. or elsewhere.
3. We have "1947 Carbide and Carbon Chemical Corporation assumed the operating control." They naturally have a contract, may I have the name, contract number and date (same as item 1 and same as item 2).
4. We also have the "original operating contractor whose tenure ended in 1947 as Tennessee Eastman" - we asume this is a subsidary, may we have the Parent name, the contract number, the contract name, the contract date and the place where these files would be stored and their filing jurisdiction or present location. (p.4)
5. In 1955 the General Manager directed the appointment of a committee: (p.5) consisting of technical experts from DuPont Union Carbide (K-25), General Electric Co. (Hanford), LASL, and Argonne National Laboratory. I wish the name, the contract number, contract or grant date and the present filing location of these files together with the appointee's company location or address

I note that your outside technical consultants are the CPA's Lybrand, Ross Brothers and Montgomery. I wish to know (as is the usual practice) if the CPA's Lybrand, et al supplied your Materials and system of accounting chart of accounts. And if your chart of accounts in either the assets, liabilites, or expense and the capital divisions carries an account called "Ruckwander" or "Sinking Fund". And I wish either a copy of this page or this item. You may block out the dollar amount. I wish to know where the listing of accounts can be located

I fully realize that the FOIA says that paper must be supplied upon identification; however, the names will be sufficient as requested and this will save both of us the process of appeal.

Thanks again for your cooperation.

Very truly yours,

Alice Koone

Alice Koone

AK:s

Exec. su ... Don't state VCC from '43 - '46 - says around '47
(+ see p4) - is TN Eman

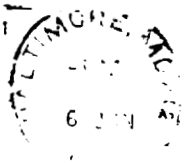
1. #1 + #3 are the same ques

4 same info for TN Eastman Corp

5 committee ques:
Don't think there would be a contract just b/c a committee
Where is the report filed?

6 Where does she get info re: the accountants?

LICE KOONE
01A DUBOIS ROAD
NNAPOLIS, MARYLAND 21401



FIRST CLASS MAIL

Mr. P.T. Marquess
Assistant Manager for Administration
Department of Energy
Oak Ridge Operations
P.O. Box E
Oak Ridge, Tennessee 37831

1116840

DOE F 1325.8
(7-79)

U.S. DEPARTMENT OF ENERGY

memorandum

DATE FEB 15 1984

REPLY TO ATTN OF DP-342.3

SUBJECT Unclassified Version of "Control of Nuclear Materials at the Y-12 Plant" Report

TO J. La Grone, Manager
Oak Ridge Operations Office

An unclassified version of the report "Control of Nuclear Materials at the Y-12 Plant" has been developed and provided to the House Armed Services Committee in accordance with your commitment given on February 6, 1984. The report was reviewed for compliance with Classification, Operations Security, and Section 148 concerns and all recommended deletions made prior to release.

A copy of the unclassified version released is attached for your records. We recommend that this version be rewritten in a more readable form as there is a possibility of continued interest in this report. Should a rewrite be done, the OSS Security Operations Branch has a few additional comments to offer the writer.

If you should have any questions regarding this matter, please feel free to contact this office.

for Ralph E. Caudle
Director
Office of Safeguards and Security
Defense Programs

Attachment

1116841

DELETED VERSION

(DECLASSIFIED WITH DELETIONS)

CONTROL OF NUCLEAR MATERIALS AT THE Y-12 PLANT

ROBERT A. HARRIS, ET. AL.

NUCLEAR MATERIALS CONTROL DIVISION
OAK RIDGE OPERATIONS OFFICE

DELETED VERSION

Executive Summary

Structure of the current Nuclear Materials Control System at the Y-12 Plant has deviated very little from the system implemented in 1947 when the Union Carbide Corporation, Nuclear Division, assumed management of the facility. Comparable data are not available for the period of 1943 through 1946. What has changed dramatically is the ability to measure the many waste streams associated with the flows of weapon grade uranium. Since 1947, the cumulative total weapon grade uranium inventory difference (ID) is Of this cumulative total, can be explained by poor or inadequate measurements made years ago when the more advanced means for measuring waste had not been implemented. Also, of the accumulative ID is attributed to a cross over of weapon grade materials to a depleted stream.

There have been a number of unusual incidents involving nuclear materials, and all have been investigated by the contractor and NMC-ORO. The vast majority of such incidents have been out-of-control IDs, and the worst of these were also investigated by the FBI and OSS-HQ. Investigations of the unusual incidents have not indicated unauthorized removal or possession, gross negligence, or unauthorized use of weapon grade nuclear material.

Contributors to the measurement uncertainties that cause IDs include impurities in uranium, trackout, atmospheric losses, solids and solution discards, use of factor weights, plating, adsorption, etc., of uranium on process equipment. All of these uncertainties are closely monitored and with the exception of impurities in uranium, affect only 0.4 percent of the total plant inventory. At the Y-12 Plant, a conscious effort is made to process as quickly as possible all weapon grade uranium to a well measured "item" state. Normally, approximately 99.6 percent of the inventory is in the item accountability system. The remaining 0.4 percent mentioned above is measured as well as reasonably possible.

Far reaching activities are underway to improve the current system. Among these efforts are: (1) error propagation which will provide ID control limits based on measurement capabilities as opposed to historical experience; (2) more effective use of non-destructive assay (NDA) systems to monitor flows and quantify very difficult to measure materials; (3) a major upgrade of the Uranium Recovery Facility which will provide a wide range of measurement improvements plus a reduction of the shelf inventories and allow for a quicker inventory determination; and (4) a systematic evaluation of the measurement system in place from an individual processing operation as well as the synergistic relationship. All of these activities are designed to keep the Y-12 Plant abreast of the state-of-the-art in materials control.

A strong Nuclear Materials Control Department (NMC) is in place at the Y-12 Plant, and a very high degree of accountability awareness, beginning with top management and extending through the operating levels, is evident. The NMC Department closely monitors the weapons grade uranium flow data as well as the internal controls. A near real-time accounting system will provide a book inventory of the material charged to any individual portion of the Plant in addition to providing the rest of the NMC Department's data needs. Internal audits of the Plant's system for accounting for nuclear materials are performed by the Department and, the Director of Emergency Inventories of

Appraisal of the control and accountability of nuclear materials at the Y-12 Plant is performed by ORO on an annual basis with special investigations performed as needed. Coverage includes observation of inventory practices, physical verification of the inventory, review of the measurement systems used by the contractor to quantify and monitor the nuclear materials, review and testing of the contractor's accountability records system, and review of the systems used to monitor and evaluate such control indicators as IDs, normal operational losses, and shipper/receiver differences. All of the nuclear materials control responsibilities DOE and ORO have placed on the Y-12 Plant are embodied in a procedures manual wherein the Plant specifies, with reference to many SOPs, how their system operates. This document is approved by ORO and is reviewed on a spot check basis during each survey to compare actual practice with approved procedures.

Each area that processes or is otherwise charged with weapon grade uranium is secured

When nuclear materials enter or leave these secured areas, it requires the coordinated efforts of production supervision the efforts of chemical operators, and the individual handling the transporting vehicle. When equipment other than nuclear material enter or leave these secured areas, it requires the coordinated efforts of internal supervision, health physics personnel, the Security Department, the individual shipping or receiving the non-nuclear material, and possibly a material handler.

Acknowledgements

Contributing authors to this document were Mr. M. R. Theisen, Weapons Division, ORO (Section 3.2), Mr. B. J. Campbell, Nuclear Materials Control Division, ORO (Section 4.1.3), and Mr. H. J. Wunschel, Safeguards and Security Division, ORO (Section 6). Also, a peer group review was performed by Messrs. C. A. Keller and M. R. Theisen of ORO, Messrs. E. Owings and J. R. Barkman of the UCC-ND, Y-12 Plant, and Mr. E. D. Marshall, DOE-ORO, retired. Much historical information was gained from historical documents in the possession of Messrs. W. E. Gilbert and G. A. Hammond, Safeguards and Security Division, DOE, HQ.

A special acknowledgement goes to Mr. E. Owings and the staff of the Nuclear Materials Control Organization, Y-12 Plant, for his and their contribution of data and information without which this document would be much less informative.

CONTROL OF NUCLEAR MATERIALS AT THE Y-12 PLANT

CONTROL OF NUCLEAR MATERIALS AT THE Y-12 PLANT

1.0 Abstract -

Since 1947 control and accountability of uranium enriched to >20 percent U-235 has been maintained through a rigid system of operational and administative controls and this system has been continually monitored and upgraded to satisfy the requirements for control imposed by the AEC, ERDA, and DOE. A primary indicator of the effectiveness of the control system has been the lack of balance between the monthly book vs physical inventory, a value currently termed inventory difference or "ID." Many fluctuations have occurred that must be termed out-of-control situations and all have been satisfactorily explained. Much has been done in recent years to upgrade the overall materials control and accountability (MCA) system and much is currently being done from both an administrative and operational standpoint.

2.0 Introduction -

2.1 Purpose

This document is intended to describe the system for control and accountability of uranium enriched to >20 percent U-235 at the Y-12 Plant, the history of that system, its effectiveness, and the plans under way for further strengthening of the system.

2.2 Scope

Data is unavailable for nuclear material flows at the Y-12 Plant prior to 1947. Therefore, this document will address the time period January 1, 1947, through March 31, 1983. Also, there is a very wide variety of nuclear materials and precious metals accounted for at the Y-12 Plant, with the same essential control as that exerted over uranium enriched to >20 percent U-235, but this document is restricted to the >20 percent enriched uranium. Therefore, the term special nuclear material (SNM) as used here can be understood to mean uranium enriched to >20 percent in the U-235 isotope. While the Y-12 Plant has many interfaces with operations throughout the nuclear industry, the control of SNM described here begins and ends with the receipt at the warehouse or shipment from the plant of SNM.

2.3 Definitions as Set Forth In DOE Order 5630.2.

APPARENT LOSS is the inability to locate physically or to otherwise account for:

a. Any identifiable or discrete item (e.g., batch, lot, or piece) containing nuclear material.

b. An inventory difference quantity of nuclear material where the book inventory is larger than the physical inventory by an amount which is in excess of the established alarm limit.

BOOK INVENTORY is the amount of material present at a given time as reflected by accounting records such as the general and subsidiary ledgers, i.e., the beginning physical inventory adjusted for receipts and removals for a given reporting period.

CONFIRMATORY MEASUREMENT is a measurement made to test if some attribute or characteristic of the nuclear material is consistent with the expected response for that material if no change has occurred. A confirmatory measurement may include go/no-go, qualitative, semiquantitative, or verification measurements.

CONTROL LIMITS are the established values beyond which any variation, in this case inventory difference, is considered to be an indication of the presence of an assignable cause, and the variation should be investigated. Control limits should usually be established with a 95 percent probability and called warning limits, while those usually with a 99 percent probability are called alarm limits.

EQUIPMENT HOLDUP is an estimated or measured quantity of nuclear material which adheres so tenaciously to the equipment that it has become part of the equipment or requires special treatment to remove.

IN-PROCESS INVENTORY refers to the quantity of nuclear material present in a fabrication or process line, in processing vessels and machines at any specified time.

INTERNAL CONTROL SYSTEM is a set of administrative and accounting policies and procedures implemented by a facility in order to account for and maintain control of nuclear material. It includes checks and balances in the division of duties so designed that the work of one will serve to verify the work of another.

INVENTORY DIFFERENCE (ID) is the algebraic difference between the nuclear material book inventory (BI) and a physical inventory (PI), i.e., ID = BI - PI. It can be a positive or negative value.

MATERIAL BALANCE AREA (MBA) is an identifiable physical area wherein the quantity of nuclear material being moved into or out is represented by a measured value.

MEASURED VALUE refers to one or more quantitative or qualitative characteristics that have been determined for a nuclear material item and implies associated limits of error.

a. The measured value may be quantities of nuclear material determined by sampling and analysis, weight, volume determination, nondestructive assay, or other appropriate means.

b. The measured value may be calculated on the basis of a chemical analysis or nondestructive assay of a representative sample.

c. For the purposes of this directive, a discrete, identifiable item is considered to have a measured value if previously measured and if the integrity of the item can be assured according to procedures approved by the cognizant operations office.

NONDESTRUCTIVE ASSAY (NDA) is a measurement technique which can provide quantitative or confirmatory measurements of nuclear materials without altering their chemical or physical form.

NUCLEAR MATERIALS SURVEY refers to the comprehensive examination and evaluation of the effectiveness of the material control and accountability of nuclear materials at DOE contractor facilities.

VERIFICATION MEASUREMENT is a quantitative remeasurement to verify an existing measured value as previously recorded.

2.4 Concepts

At the Y-12 Plant, the function charged with administration of the MC&A system is organizationally so aligned as to not come under the direct supervision or control of the production function even though a strong interface between the two functions is demanded. Guidelines for control and reporting standards are incorporated in DOE Order 5630 and appendices. Within the Y-12 Plant, these guidelines are implemented in the accountability procedures manual 20-NM-XXXX and a multitude of SOP's that translate the necessary controls to the operating areas.

Great effort is made to convert SNM wherever possible to the readily measurable and controllable state of an item, so that at inventory time as little SNM as is absolutely necessary is newly measured and/or estimated. At inventory time, all scrap and/or salvage materials that are on hand in the operating areas is shipped to the salvage-recovery MBA for measurement and eventual recovery. The newly measured SNM, at inventory time, is almost totally comprised of these salvage materials that have been processed to an accurately measurable state and then measured. Estimated inventory involves SNM bearing materials held up in air ducts, contained inside machines that are not dismanteled, entrained in carbon molds and crucibles, held up in filters, etc. The general ratio of previously measured items on hand at inventory time vs the newly measured and estimated material is 99.6 percent.

From a philosophical standpoint, wastes, normal operational losses, and discards are measured conservatively (i.e., to be sure not to overstate these values).

To assure effective resolution of any SNM control problems, each month a committee comprised of representatives from operating areas, the plant laboratory, statistical services, and nuclear material control functions meets to discuss the results of the last month's inventory, plan the upcoming monthly inventory, and address any existing material control problems.

The Y-12 Plant has, as a part of the MC&A organization, an internal audit function that continuously reviews from a MC&A perspective adherence to approved procedures, correctness of data flows, and the accuracy of the measurements performed on SNM.

3.0 Brief History of Y-12 Operation

3.1 Program and MC&A History

Construction of the Y-12 Plant commenced in 1943 under the direction of the U.S. Army, Manhattan Engineer District. Originally, the purpose of the facility was the separation of the U-235 isotope utilizing the electromagnetic process. The first building was placed in operation in January 1944. Product from the whole operation was weapon grade SNM in the form of UF_4, and this product was shipped to Albuquerque for further processing. Tennessee Eastman was the original operating contractor and their tenure ended in 1947 when the Carbide and Carbon Chemical Corporation assumed the operating role that has continued to the present. In May 1947, product from the gaseous diffusion enrichment operation at the K-25 Plant completely replaced the electromagnetic isotope separation process as feed for the Y-12 Plant operations, and weapon grade SNM metal first became a product of the plant in 1948.

During the tenure of Eastman, the need to maximize the utilization of available SNM assured strict accountability. The general structure of a SNM accounting system was established and the concept of a material balance area was used. The MC&A records system employed since operation by Carbide has seen a radical expansion of chemical processing flows, and addition of processing streams for nuclear materials other than uranium. Recently, accountability for precious metals used at the Y-12 Plant has been included in the MC&A systems responsibility.

Governmental guidelines for control and accountability for SNM were first formalized as a complete system in a document titled "Bulletin GM-PRO-2," Serial No. 95, dated August 15, 1951. The stabilizing factors for GM-PRO-2 were two reviews directed initially toward SNM accounting systems and secondly toward measurement and inventory practices by Lybrand, Ross Bros. and Montgomery (a CPA firm), and Hydrocarbon Research, Inc. (technical consultants), respectively.

GM-PRO-2 was superseded in 1956 by AEC Manual Appendix 7401 which after a series of title changes was superseded in theory, not implementation, by an ERDA-6401 series. Currently, the DOE Order 5630 series titled "Control and Accountability of Nuclear Materials" provides the principles and guidelines to be used by DOE field offices and their contractors. After formalized requirements were implemented, two specific reviews of the accountability program were made. In 1955, the General Manager directed the appointment of a committee chaired by Dr. Marvin M. Mann of the AEC and made up of technical experts from DuPont, Union Carbide (K-25), General Electic Co. (Hanford), LASL, and Argonne National Laboratory. The purpose of this review was to determine whether the basic premises, organization, regulations, and procedures were sound, reasonable, and responsive to the needs of the AEC, in light of the change in the Atomic Energy Act in 1954. The committee's report dated January 1956 concluded that the basic system was sound and generally appropriate to the material controlled, and that major problems were predominantly technical in nature, and that solutions to the problems could and should be made within the existing organizational structure.

Studies by the Stanford Research Institute for the Division of Nuclear Materials Management encompassed a wide variety of MC&A activities and control indicators employed by the AEC facilities involved with the commissions material flows. Results of the study were published in documents titled, "Review of AEC Nuclear Materials Management Systems," and "Statistical and Inventory Procedures Applied to Nuclear Materials Management," dated August 1962 and April 1966 respectively. The primary conclusion of the study was a need for a centralized, computerized information system that encompassed the overall MC&A analytical and managerial data needs.

As an outgrowth of the first SRI Study, the Division of Nuclear Materials Management, AEC, HQs, sponsored a study to compare from a nuclear materials control standpoint, the highly enriched uranium operations at the Y-12 Plant and those at the Rocky Flats Plant. A very wide set of control parameters was evaluated and in June 1963, the conclusions of the study were published. The study group found that the two operations were not comparable for evaluation of material unaccounted for quantities.

System wise, the MC&A efforts at the Y-12 Plant have changed to accommodate the order of magnitude of changes in material flows as well as administrative reporting requirements to meet the government's various control needs as the state-of-the-art has permitted. Organizationally, the MC&A function entity was directed toward accountability records and attendant procedures until FY 1979 when specific efforts to establish a MC&A engineering group were initiated. This effort was accelerated in late FY 1979 and currently

a permanent staff of four professional level personnel are actively pursuing MC&A engineering. From 1945 until 1979, the MC&A engineering activities were addressed by production personnel.

Statistically, analysis of the various MC&A control indicators has been performed by the statistical services function at the Y-12 Plant from the beginning through the present. This arrangement has been very satisfactory.

3.2 History of Uranium Processes

The Y-12 Plant was constructed during World War II for the enrichment of Uranium-235 by the electromagnetic separation process. This operation performed successfully and produced the uranium for the Hiroshima weapon. However, the parallel method for enriching uranium, gaseous diffusion, proved to be much more efficient, and the Y-12 Operation was closed in early 1947.

At this same time, there was a desire to move the weapon's manufacturing operations from Los Alamos. Because of its uranium processing capabilities and the availability of buildings, Y-12 was chosen as the location for enriched uranium metal processing site. Reduction of enriched uranium to metal and casting of rough shapes and fabrication of finished machine parts began in the spring of 1948. The level of activity remained small until the early 1950s, at which time the level of effort turned rapidly upward. Following the national decision to produce thermonuclear (hydrogen bomb) weapons, Y-12 was chosen as the site for enrichment and subsequent processing of lithium.

As the 1950s and early 1960s passed, the quantity of enriched uranium produced by the diffusion complex grew rapidly.

for several years in the late 50s and early 60s.

In 1964, the U.S. made a decision to stop adding enriched uranium to the weapons program, so the flow of UF_6 to Y-12 was stopped. Since that time, the nuclear weapons stockpile has been supported by recycling uranium from retired weapons through the necessary chemical and physical processes to make new weapons.

Since the UF_6 flow ceased, the absolute level of throughput has decreased, but the level of enriched uranium processing has remained very significant.

The current flow of enriched uranium through the Y-12 Plant is very large and complex; it involves large inventories and multiple operations carried out in several buildings and many operating areas.

3.3 Composition and Size of Inventory

Receipts of SNM increased each year from 1947 to 1959. After a brief plateau, the peak year for receipts was 1964 Production during this period consumed these receipts such that the peak beginning inventory for a fiscal year did not occur until 1966 In 1964, the decision was made that the AEC had as much SNM in its possession as it would ever need for weapons production and the conversion facility for reducing UF_6 from the gaseous diffusion plants to UF_4 was closed.

The preponderance of SNM at the Y-12 Plant is in the form of metal, Many SNM compounds are generated in the metal preparation activities, but their existence, with the exception of a very few situations, is simply preparatory to returning salvage to the metal state. Normally, the more common compounds such as UF_4, U_3O_8, UO_3, oxide in residues, and uranium in solutions comprise only of the inventory.

Shown in Table I is a breakdown of the active and inactive inventory

TABLE I

March 31, 1983, Inventory

The category has a variety of SNM materials that for many reasons are not in a specific production flow. SRP identifies the Savannah River Product flow which consists of the Y-12 Plant receiving dilute uranyl nitrate solution from the Savannah River Plant, evaporating it, purifying it, and converting the contained SNM to metal for shipment back to Savannah River. The inactive SRP material contains a high level of U-236 that makes it unfit for weapons use and yet the percent of U-236 is too low to be of use to the Savannah River operation.

It is a policy of operation at the Y-12 Plant to keep the pipeline quantity of SNM as small as reasonably possible. This policy obviously assists material control and nuclear safety interests. SNM that is not needed for production is stored and retrieved from the inactive situation as needed.

classified in 95 different material composition forms. Many of the material composition forms are seldom used, but part of the reason why so many are needed is to handle different alloys of uranium. Of the total SNM inventory at any one time, approximately is in the form of metal or a metal alloy.

3.4 Internal Transaction Volume

Until 1976, internal transactions had not been cited as a workload indicator. In 1976, the SNM accounting system was changed to the "Interim System" that provided daily inventories and a quick response to emergency inventories. The DYMCAS system came on line in April 1982 and has undergone considerable shakedown. In March 1983, the DYMCAS system shows that for the Y-12 Plant 3,025 SNM items were received; 9,260 SNM items were shipped, and the total number of internal accountability transactions was 165,000. March had 23 work days which computes to an average of approximately 7,200 internal transactions per day.

An average of approximately 40,000 SNM items are on inventory at any one time.

4.0 Inventory Differences

4.1 Throughput and ID History

SNM was identified as ORALLOY (Oak Ridge Alloy) with a nominal enrichment of 93.15 percent U-235.

In actual practice the use of ID as a measure of process control at the Y-12 Plant is usually in terms of uranium only, not uranium and U-235 separately.

4.1.1 Data

Computation of ID follows the conventional equation of:

Beginning Inventory + Receipts - Removals - Ending Inventory = ID.

Since the data system is built with portions of the inventory being reported on an estimated basis, the likelihood of the ID being zero is very small, and no great significance could be attributed to zero ID being recorded.

The inventory frequency for SNM at the Y-12 Plant is monthly and an ID is available by month since 1947. To show the general fluctuation of these monthly data, an example of monthly IDs for SNM is presented in Figure I, along with the control limits (Warning ±2 sigma and Alarm ±3 sigma) for the individual monthly increments. Cases where zero values are shown represent instances where the plant was on strike. These limits are based on a modified Schewart control chart basis that uses the previous sixty (60) months as the data base. The modification to the computation method is designed to account for the autocorrelation between monthly material balance data. What this means is that from month to succeeding month, the data involved are not completely independent, and this lack of independence must be statistically adjusted. Eventually, these Schewart type control limits will be replaced with limits derived through error propagation methods.

Figure 2 shows a similar type control chart for ID as a percent of throughput (i.e., beginning inventory plus external receipts for all SNM processing areas). These data show a normalized value of ID and while they are very small, they in no way reflect how small the ID is in relationship with actual internal throughput. For example, recent internal processing receipts which include transfers within MBAs run at per month. For a year, this would mean a total of SNM inventory.

This throughput SNM rather overshadows the ID deficiency reported for FY 1982.

Shown in Figure 3 is a plot of the cumulative sum of ID by fiscal year since 1947.

PLANTWIDE MONTHLY SNM ID
U235

ID AS A % OF PROCESSING AREA THROUGHPUT
-URANIUM-

PLANTWIDE CUMULATIVE SNM ID
URANIUM

TABLE II

Throughput in Kilograms

Date	Beginning Inventory	External Receipts	Beginning Inventory Plus Receipts
CY 1947			
CY 1948			
CY 1949			
CY 1950			
Six months of CY 1951			
FY 1952			
FY 1953			
FY 1954			
FY 1955			
FY 1956			
FY 1957			
FY 1958			
FY 1959			
FY 1960			
FY 1961			
FY 1962			
FY 1963			
FY 1964			
FY 1965			

TABLE II (cont.)

Throughput in Kilograms

Date	Beginning Inventory	External Receipts	Beginning Inventory Plus Receipts
FY 1966			
FY 1967			
FY 1968			
FY 1969			
FY 1970			
FY 1971			
FY 1972			
FY 1973			
FY 1974			
FY 1975			
FY 1976			
FY 1976A			
FY 1977			
FY 1978			
FY 1979			
FY 1980			
FY 1981			
FY 1982			
FY 1983 (6 mo.)			

TABLE III

Annual SNM Inventory Differences in Kilograms

Date	Uranium	Cumulative Uranium	U-235	Cumulative U-235
CY-1947				
CY-1948				
CY-1949				
CY-1950				
CY-1951 (6 months)				
FY-1952				
FY-1953				
FY-1954				
FY-1955				
FY-1956				
FY-1957				
FY-1958				
FY-1959				
FY-1960				
FY-1961				
FY-1962				
FY-1963				
FY-1964				
FY-1965				

()--indicates a gain.

TABLE III (cont.)

Annual SNM Inventory Differences in Kilograms

Date	Uranium	Cumulative Uranium	U-235	Cumulative U-235
FY-1966				
FY-1967				
FY-1968				
FY-1969				
FY-1970				
FY-1971				
FY-1972				
FY-1973				
FY-1974				
FY-1975				
FY-1976				
FY-1976A				
FY-1977				
FY-1978				
FY-1979				
FY-1980				
FY-1981				
FY-1982				
FY-1983 (6 months)				

( ) - indicates a gain.

Inventory, external receipt, and throughput of uranium from 1947 through March 1983 are presented in Table II while annual and cumulative values of ID from 1947 through March 1983 are shown in Table III. The data in Table II are considerably less than what is presented in Figure II or the total internal MBA throughput per month) since the receipts are only those from outside the Y-12 Plant. The data in Table III are rounded from grams to kilograms and, therefore, the cumulation of data from month to month as shown in the Table is not always directly additive.

4.1.2 Trends and Interpretations

Five distinct historical periods can be envisioned as segregating the factors that affected the reported IDs, and these periods are discussed below.

a. Period CY 1947 Through FY 1954

In general, the IDs were very reasonable even though the throughput was small. Materials with a variety of enrichments were being processed and most of this material was salvage from the electromagnetic process. Enrichment of the material was assumed when it was introduced into the salvage operations. Subsequent to processing the materials to a point where good samples could be obtained, it was frequently found that the originally assumed enrichment was in error, and no back calculations were made to correct the situation. It is obvious from the throughput that the production situation differs radically from the present.

b. Period FY 1955 Through FY 1957

This period was one of transition when new processes were being developed for the production operations.

No firm basis was available for estimation of process losses, and the equipment holdup was not known. Throughput increased rapidly since the last building of the Oak Ridge Gaseous Diffusion Plant came on stream in November 1954, and the Portsmouth Diffusion Plant achieved full production in February 1956.

As experience was gained and state-of-the-art measurements introduced, estimates of holdup as well as process losses were made. The measurements of these normal operational losses in retrospect appear crude but were made using the best means then available. The policy of conservatively stating losses was in existence at that time.

c. Period FY 1958 Through FY 1962

Dramatic increases in production along with setup for new weapons designs and pressing of the state-of-the-art in caused many unacceptable fluctuations in monthly NM ID values. As a result, in 1959 a long term committee, the Product Diversion Control Group, was established to determine the causes of the IDs and how to prevent their recurrence with special attention being directed to waste streams. This committee found several previously unidentified waste streams and found that practically all previously identified waste streams had been underestimated by 10 percent or more. As in the earlier days, no back corrections were made since they could not influence then current performance. Two examples of process losses that had been previously underestimated were a solution discard and discards of contaminated scrap. The solution discard had been estimated

In addition to the above, there are at least two areas where some undetected losses occurred and values either could not be generated or no effort was made to backfit values discarded. In the system for

reducing UF_6 to UF_4 (Dry Chemistry Area) leaks from the system were either detected by a then state-of-the-art radiation detector or by discovery of UO_2F_2 in the chemical traps on the vent system, but small leaks could evade the system. Heat treating oil used in the processing of was contaminated with uranium oxides that spalled from the parts during the treatment. Such spalling was not noticed during the earlier operation and once it was discovered to occur, no attempt was made to estimate the SNM discarded with that heat treating oil.

In summary, evaluating the results of the committee's findings and applying them to the available records for the FY 1957 through FY 1962 time period leads to the conclusion that the actual discards for the period were underestimated

d. Period FY 1963 Through FY 1976

Weapons parts production fluctuated from very high to very low flows of SNM. The plant ceased receiving UF_6 and began receiving SNM from retired weapons. Also, two large reactor related projects were injected into the overall production operation. And perhaps the work with the reactor systems materials contributed to the period's ID deficiency.

A Lawrence Livermore Laboratory fast reactor project titled Super Kukla utilized circular plates of 20 percent enriched SNM that had a diameter of about 30 inches. Because of the physical size of these plates, they were cast and machined in a foundry normally used for depleted uranium. Turnings from the machining operation were briquetted and used as part of a subsequent casting charge. Efforts were made to segregate the flows, but since depleted machine turnings were also briquetted and recast in this area, eventually crossovers between the flows occurred. It is estimated that kilograms of the Super Kukla materials were lost to the flow, and the inventory records were not corrected to show the crossover.

Production of a fuel element called Rover involved an extrusion of carbon loaded with beads containing uranium. Total throughput for this flow at the Y-12

Plant was 9,372 kilograms uranium,

The reactor designers were concerned with relative content of SNM along the length of the elements rather than precise SNM content; often poor control of the material was maintained. For example, test elements were sawed in half axially and the halves returned to Y-12 without the saw dust. No accounting was made of losses during testing. Sampling of Rover salvage batches was inadequate. Most of the uranium in reject fuel elements was recovered by private enterprise with some recovered values exceeding the shippers values, and the uranium in irradiated fuel elements was still to be recovered in 1976.

e. Period FY 1976A Through FY 1983

Production was at a very low level at the beginning of this period and increased very drastically. Part types were smaller in general than those produced in the earlier years of plant operation, and salvage to be recovered increased drastically. For example, the weapon grade UF_4 produced by the salvage and recovery system was

in FY 1982. During this time period, the salvage and recovery operation went from a one shift, five days per week situation to a three-shift, seven days per week operation in 1981.

Two out of control ID deficiencies were experienced during this period (May 1980 and August 1981); and, after a clean-out inventory, both were resolved and off-setting ID gains recorded.

Long-term trends have shown that the usual ID situation has been for the salvage and recovery operation to experience an ID gain, for the machining operation to experience an ID gain, and for the casting operation to generally experience an ID deficiency nearly equal in magnitude to the ID gains in the other two areas. This relationship has been accepted because the salvage recovery recovers large quantities of hard to measure

salvage (skull oxide) from casting and sampling methods used to generate values for crediting casting with the uranium shipped have been understood to bias the material content low. Thus, the salvage and recovery operation would find more SNM when the material was actually recovered than they were charged with. Also, casting receives oxidized SNM turnings as 100 percent metal from machining for remelt into massive SNM metal, and while the ratio of oxide is small, it is not pure metal.

As an item of interest, in recent months a system of nondestructive assay (NDA) equipment has been used to measure the salvage materials, including the skull oxide material being transferred from casting to recovery. This equipment reads the total content of the container, and it is felt that the values are more representative than those gained from wet chemical analysis of a hetrogeneous sample. Since the NDA values have been used, the casting ID has been consistently very low with some ID gains along with the expected deficiencies. Also, in recent months factors to correct for the oxide on the machine turnings are being used in the flow of chips from machining to casting. The trend is too young to make assertions about a much awaited change in the ID relationship between the major processing areas, but it looks very promising.

f. Summary

Much of the cumulative total SNM ID since 1947 can be explained by known measurement errors that have been quantified. There are instances in the early days where such errors were known to exist, but no effort was made to quantify the errors on a back fit basis. Measurement capabilities for evaluating waste streams and other heterogeneous materials have greatly improved in recent years, and the Y-12 Plant is keeping abreast of the state-of-the-art. Management's concern for controlling SNM at the Y-12 Plant has been demonstrated, especially through its pursuit of the EURI and other upgrade programs of a similar nature.

4.1.3 Incidents

4.2 Contributors

4.2.1 Impurities in Uranium

SNM metal has been shipped and received as 100 percent uranium ever since records have been kept. There is no indication that anyone involved with the weapons flows desires that this policy be changed. Exceptions to this policy are the small and relatively infrequent shipments of SNM metal to foreign countries. The plant laboratory has the capability of quantifying any impurity that would get into the SNM metal or compounds. And, it should be pointed out that all SNM compounds received or shipped by the Y-12 Plant are corrected for impurities.

Unfortunately, the SNM metal generated in the early days of weapons production at the Y-12 Plant was not as pure as that which is being produced today. The primary impurity was carbon. When these parts are returned to the Y-12 Plant for reprocessing into new parts, the overall ID is increased because in the exchange, more SNM is being indicated as shipped in metal today than actually was received. Fortunately, most of the production with a high carbon level has been returned. While this impurity situation has been identified, no total impact on the long-term ID has been computed.

4.2.2 Use of Factor Weights

It was pointed out earlier that 99.6 percent of the Y-12 Plant SNM inventory is measured. Of the remaining 0.4 percent, virtually all is carried on a factor weight that has been generated over years of recovery/cleanup campaigns. These factors have been generated using the best methods available to estimate the values, and the policy of conservatism in estimating waste was followed. In virtually all cases, the data base is somewhat minimal because of the cost involved or the opportunity to gather information. Some examples of factor weight usages follow.

a. Contamination of Lathes

A value of grams per lathe has been established by utilizing the tear-down situations to get, as near as possible, a complete decontamination value. These tear-down situations occur very infrequently and are avoided as much as possible because they involve loss from production of the lathe for as much as two months. Each month each lathe is monitored with NDA instruments to detect any significant change in the held-up SNM from the previous month. This factored SNM value is used as an inventory value.

b. Oxidization of Chips

When machine turnings are generated, the heat of the cutting process causes the chip to oxidize. A coolant is used to prevent the chip from igniting, and they are collected and stored under a solution to further prevent oxidation. After cleaning, the chips are briquetted and stored in a plastic bag in a stainless steel can.

Regardless of the efforts expended, it is evident from metal yields after melting the chips that the oxidization of the chips is a real influence on the metal

yield. For years, the machining MBA had a general gain which apparently came from them receiving credit for the chips as 100 percent metal. Conversely, this also contributed to the general ID deficiency in casting. An attempt was made in the early 1960s to quantify the amount of oxide on the chips but accurate factors were very difficult and expensive to generate, and it was not until 1982 that acceptable factors for oxidization of chips were established and used. These factors affect correct recording of inventory in the machining and casting production areas, but more importantly, they eliminate the addition of oxygen as uranium metal to the SNM chips received into the casting process.

c. Carbon Molds

Carbon molds and crucibles become contaminated with SNM in the process of making casting pours. Eventually, these articles get broken and are shipped to the salvage/recovery operation where the contained SNM is put in a measurable state. Those molds and crucibles that have been used and remain in the casting MBA at inventory time contain SNM that is carried on a factor weight for inventory purposes.

These factors have been established by special recovery campaigns on carbon items with a one-use, two-use, three-use, etc., history. Such campaigns are not convenient when production rates are high because they take special and separate handling and require a great deal of time. There is no reason to suspect great changes in the rate of hold up in carbon and as a result these factor weights are not reestablished very often.

d. Filter Bag House and Ducts

A clean air system managed by the Maintenance Department supplies air to the production areas, and this air is exhausted from these areas at a rate of 15 to 20 air changes per minute. As a result, SNM particles that would be airborne and vacuumed into a large duct work are filtered through high efficiency particulate air (HEPA) filters and a bank of bag filters.

From clean-out inventories and routine change out of the filters, data have been generated that are representative of SNM materials buildup within the ducts as well as the filters. Each month the air ducts are metered with NDA equipment to determine if a significant change has occurred, and periodically all of the

filters are replaced. Until a clean out of the air ducts occurs, the build up of SNM contamination is factored, and the same is true for the bag filters until they are replaced. HEPA filter SNM content is more accurately measured when recovered.

4.2.3 Plating, Adsorption, etc. of Process Equipment

This item contributes significantly to ID and is perhaps the most difficult of the general contributors to evaluate because these are materials that drop out of an active process stream and often take special recovery acts to determine their existence and quantity. For example, in 1980 a change was made from a long-term supplier of a chemical used in the solvent extraction process and while the chemical was purchased according to a standard set of specifications, the new supplier's chemical has an additive that caused an oxalate of uranium to precipitate in the extraction system. This oxalate did not process through the system and was a major contributor to the out-of-control SNM ID deficiency reported in May 1980. The oxalate SNM was washed out of the solvent extraction system eventually, but it was difficult to recognize its existence and also to recover it.

Problems with plating or adsorption also occur in the interconnecting piping, ash leacher, oxide dissolver, evaporator system, and horizontal hold tanks that are in the salvage/recovery area. Hold-up also occurs in systems other than solution flows, such as the chip burner and CWS filters.

Many operational checks are made to detect and correct plating and other hold-up problems with handling SNM bearing solutions, but a method of using NDA equipment on the solvent extraction columns and the evaporator provides a means of monitoring their SNM inventory. The MC&A engineering function at the Y-12 Plant worked with the Los Alamos National Laboratory to provide this monitoring capability.

4.2.4 Solids and Solution Discards

Residues from the various production areas are processed by the salvage/recovery area to the point that they are economically infeasible to recover. In the past, the solid materials were physically sampled with a chemical analysis of the sample. Currently, discard values are established with NDA instrumentation which is likely the best measurement possible since all of the SNM content of this low equity, heterogeneous material is evaluated. Solution discards have, and currently do, follow the same measurement

routine. With a policy of conservatism existing, the new measurement probably allows the Y-12 Plant to claim more SNM for these discards now than in past years.

4.2.5 Trackout

Processing of SNM eventually generates SNM materials that get on the floor and consequently on the soles of employee's safety shoes. This material was measured by rather crude method that involved placing a very adhesive mat in front of the doors and measuring the material that was removed from the soles over a specified period of time. Tests had shown that the remaining SNM on the shoe soles normally wore off before the employee got out of the gate.

Unfortunately, an employee of the Y-12 Plant went to work at the Sequoyah Nuclear Power Plant and a microscopic chip of SNM metal was discovered embedded in the sole of his shoe. Since then, no employee can take his safety shoes offsite unless authorized, and people visiting the production areas are required to wear shoe scuffs that also do not leave the processing areas. Since these new physical controls have been installed, the track-out has been significantly reduced.

4.2.6 Atmospheric Discards

All stacks where SNM is processed are equipped with a monitoring system and efforts are continuing to upgrade these measurements. Discards to the industrial sewer are measured before dumping to the sewer, and the sewer is sampled at various locations to assure that contained SNM is representative of what has been dumped.

While every effort is made to reasonably state and monitor atmospheric discards, the systems used are not perfect and exceptions do occur. An example of the system working was demonstrated in 1981 when the industrial sewer samples highlighted a radical increase of SNM content. Investigative actions pinpointed the source and further sampling established a specific quantity
for the unidentified discard. Actions were taken by the area to prevent such a release in the future, and current monitorings show a stable and expected discard rate.

It is not intended to imply that "all" discards to the atmosphere have been identified and measured.

4.2.7 Miscellaneous

A number of miscellaneous small contributions to ID uncertainty are measured such as the sanitary sewer, mop water, laundry water, contaminated oil, and others. Their contributions are very real but minimal in quantity.

A number of sources are not measured, e.g., contamination covered with paint, contamination in the floors and other such minimal items that simply escape measurement, similar to the material in the cooling tower mentioned above.

4.3 Current and Future Efforts to Improve ID Trend

4.3.1 Error Propagation

As mentioned earlier, the Y-12 Plant has used statistical methods to generate control limits for evaluating monthly ID values. The method of generating these limits has been improved over the years, but the system uses historical data and, as long as historical data are the sole-source input to the computation, the larger the variation in the data base, the larger the control limits, and hence the larger the fluctuations in ID that will be accepted. While this is not always bad, it is not necessarily representative of what is needed to evaluate the control indicator which is usually tied to the operating conditions.

Error propagation is a sophisticated statistical system that combines the systematic and random errors associated with each measurement made of a flow of SNM. Each weighing, sampling, and analytical method has some inherent randomness and usually some bias that causes variation (or statistically speaking "error") in the final statement of the SNM content of the item they were employed to describe. Control limits established using error propagation methods represent what the measurement system can do as opposed to control limits that describe what has been done historically. And, since the measurement parameters must be established for each measurement point, the system, if properly installed, gives the production manager specific indicators where measurement variations are affecting control indicators.

1116875 In 1981, the Y-12 Plant addressed the use of error propagation methods by employing a highly qualified statistician plus commensurate staff and approving an action plan for

addressing the issue. So far a simulation program has been addressed which has answered classical statistical questions such as whether the data are randomly stated and has established the mathematical model needed to describe the error accumulation for the production system in place. The first material balance area addressed has been "Reduction." This MBA processes green salt (UF_4) from the salvage recovery operation to metal buttons which are immediately transferred to the casting MBA. Two measurement problems highlighted by the method which have not been recognized as significant contributors to measurement error are inclusions of non-metal materials in buttons and inadequate measurement of the SNM in the calcium fluoride slag from the reduction process. Resolution of these two problems is under way.

The next MBA to be addressed for error propagation is casting. Much of the work done in addressing reduction can be utilized, and, with appropriate computer assistance, the rest of the processing operations could be covered relatively quickly. Much rethinking of measurement error has had to be implemented to reach this point in the error propagation action plan. For example, the laboratory quality control system has operated for years using sound statistical methodology, but for the purpose of production support. This system has had to be expanded to more accurately define the terms needed to characterize each measurement point error term.

4.3.2 Development of Nondestructive Assay (NDA) Systems

NDA equipment has been used for many years at the Y-12 Plant for various qualitative measurements. Materials for discard have been checked routinely by NDA to verify that their SNM content is negligible.

In the case of discards, these heterogeneous, very low equity materials were physically sampled and discarded using a wet chemistry value. Recently, however, two quantitative NDA systems have been put into operation that cover low and high density solids and samples of solutions. These systems are a Segmented Gamma Scanner (SGS) and a Neutron Interrogator (Random Driver).

a. Segmented Gamma Scanner

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The SGS is a Canberra-built, integrated, computer-operated system. It measures (transmission corrected)

186 KeV gamma emission for U-235 and converts these to a physical quantity of U-235. Three adaptations of the SGS are being used.

(1) Can Scanner

A mechanical device designed to accommodate only the small 7-inch diameter, 14-inch high new type residue cans. It has a shielded Yb-169 transmission source, a lead-shielded Intrinsic Germanium detector, and associated pulse height processing electronics for counting. All components are controlled by the central computer. (Canberra Customized Model 2225C)

(2) Barrel Scanner

This is a mechanical device designed to accommodate 55-gallon, Red (calcium type) drums, or with the addition of an extra stainless fixture (large, wood framed), HEPA (CWS) filters. Materials scanned are contaminated combustibles or filters. It has all the same components as does the Can Scanner. It, too, is controlled by the central computer. (Canberra Customized Model 2225B)

(3) Solution Assay System (SAS)

(This was an add-on to Canberra's SGS System). Materials scanned are aqueous or organic process solution samples. It consists of a duplicate set of electronics as in the can or barrel scanner. It has an in-house manufactured table and fixture designed specifically for 4-ounce, round polyethlene solution sample bottles.

b. Neutron Interrogator

The Random Driver is an IRT-built, computer-operated system which measures induced pair-fission neutrons from U-235 and converts these to a physical quantity of U-235.

Random Driver

The counting chamber consists of two shielded AmLi neutron sources, four plastic neutron detectors with a pair of photomultipliers each, and a fixture designed to hold the stainless (green salt) cans (6-inch diameter, 12-inch high) or the new type (7-inch diameter, 14-inch

high) residue cans. Materials analyzed are dry, high density solids. It has a set of electronics for distinguishing and counting the fission neutrons. A central computer controls the entire operation of the equipment. (IRT Model RDS-100)

These NDA techniques are currently being used to generate accountability data. This effects a savings in time, laboratory cost, and it is felt that perhaps the measurements thus gained are better than these derived from physical sampling.

4.3.3 Major Upgrade of the Uranium Recovery Facility

A number of existing line item projects are currently being directed toward refurbishing or improving the enriched uranium recovery facilities. The production capability restoration (PCR) projects will restore the production capability of existing equipment in Buildings 9212 and 9206.

Major restoration projects include the dry chemistry process in 9212 and the SRP process which is predominantly in 9206. A lesser project, titled "HF Scrubbers," addresses one of the environmental issues and will serve to scrub the gaseous effluent from the hydrofluorination fluid bed reactors. Process drain improvements will monitor the process steam condensate from 9212 and, in the event of a uranium leak, will collect the contaminated water for reprocessing.

EURI will provide additional residue treatment capacity and development effort is currently being expended for improved residue treatment processes.

TABLE IV

Overview of Current and Proposed EURO Projects

	FY	Type	Cost Millions Total	9206	9212
HF Scrubber	1981	LI	$ 0.8	$0.4	$ 0.4
Process Drains	1981	CE	0.2		0.2
PM Station Expansion	1982	GPP	0.3		0.3
PCR	1982-1985	LI	9.7	1.4	8.3
REUPC (SPR)	1982	LI	8.5	7.7	0.8
Dry Chemistry	1983	LI	15		15
EURI*	1984	LI	30-50		30-50
			[illegible]	$9	$55-75

Obviously, the EURI project comprises the greatest proportion of the upgrade activity. Work on this project began in October 1981 with complete conceptual design characterization established in September 1982. This project (Project No. 84-OR-4) has the initial milestone of completion of A-E solution and start of Title I and II design in the first quarter of FY 1984, and completion date for occupancy and system testing of the fourth quarter FY 1988.

The purpose of the EURI project is to upgrade the existing chemical recovery facility consistent with projected production schedules and operating regulations. Major equipment modifications and additions will be made with retention of some of the basic chemical flow sheet, and operating and maintenance philosophy now in use. Project implementation will ensure a continuity of production operations, maintenance of SNM safeguards and accountability, and preservation of personnel and environmental safety. The modifications will meet forecasted increases in workload, needs for better SNM accountability, anticipated tighter personnel and environmental requirements, and continued needs for criticality safety. Specific enhancements affecting SNM control are (1) a reduction of shelf inventories; (2) a reduction of SNM holdup in tanks and processing equipment; (3) replacement/modification of equipment to allow quick inventory determination; (4) provision of better process monitors and control instrumentation; (5) an expansion of the NDA capacity, and (6) replacement of horizontal storage tanks with vertical tanks. Personnel of the Y-12 Plant's MC&A function are included on the EURI support team.

4.3.4 Evaluation of Measurement System

The MC&A engineering function has a number of projects underway and planned that are designed to either explain or eliminate some existing measurement questions. Each MBA is being completely flow charted from a MC&A viewpoint to assure that each measurement point is adequately characterized by the measurement parameters being generated or planned; that the sampling methods are acceptable; and that the sampling point can provide representative values for the SNM flow involved. Another example of such activity involves detailed reviews of all the measurements affecting the casting MBA balance so that the long-term trend toward an ID deficiency can be explained and possibly corrected.

Included in the overall evaluation is the view toward better utilization of NDA instrumentation to save time and hopefully improve the accuracy of the measurement being made. A close working relationship with the NDA equipment

developers at the Los Alamos National Laboratory and the Y-12 Plant Development Division is maintained. In this regard, a prioritized list of possible NDA projects to evaluate what is currently being carried as estimated SNM inventory has been agreed to and provided to LANL. Among the items prioritized are SNM held up in the air ducts and filter houses, SNM in hot spots in process piping, measurement of the SNM content of contaminated calcium fluoride and other such currently estimated inventory items.

5.0 Internal Control

5.1 Initial and Repetitive Measurements

There are 24 active SNM MBAs in the Y-12 Plant, and 9 of these actually process or change the form of the materials they receive It is the responsibility of the production operation to establish content values for items when they have been generated or changed.

In cases where the material cannot be weighed, such as a fixed tank of solution, volume measurements are made. When SNM moves between MBAs, the shipper is required to input a transaction to the MC&A accounting system, and the subsequent receiver is required to verify the material and input to the MC&A accounting system a transaction indicating receipt of the material.

In many cases,

An elaborate system of cards for production control is assigned each cast part,

These parts are weighed and NDA verified before transfer. Also, SNM product from the reduction operation is made from rather elaborately measured batches of UF_4. All of these buttons are weighed upon being knocked out of the reduction vessel, but only one out of four are physically sampled for SNM content. These items are pointed out to dispel an idea that every item in the entire complex has a weight and chemical analysis for SNM associated with it. There is no reason to feel that this approach in establishing the SNM content of the items is inadequate.

5.2 Accountability Measurements

In so far as reasonably possible, the measurements made for accountability purposes utilize the measurements made for production. Control programs are administered for all instruments or analysis processes used to establish accountability values of SNM, and these control programs utilize standard materials and equipment that are

traceable to national standards programs. Each operations area processing SNM must develop internal procedures to assure the maintenance of calibration of each instrument or technique used to generate accountability measurement.

The most centralized control program for SNM measurement is administered by the Statistical Services Department. This group administers quality control and sample variability control programs to assess the precision of all analytical measurement techniques. Monitoring, technical oversight, and evaluation of this function are provided by professional statisticians. This group monitors the volume measurements including calibration of process vessels. Data generated from all of these measurement activities are used to characterize the statistical components needed to generate limits of error (LE's) for shipments or receipts of SNM.

Each MBA has a nuclear materials (NM) custodian who is assigned the responsibility of assuring that accountability records, procedures, and measurements are in compliance with the MC&A needs. Of prime importance to any system for accountability are the fundamental measurements made on transfers.

A general highlighting of the accountability measurements made at the Y-12 Plant is as follows:

a. Mass Measurements

Scales are located in each MBA that possesses SNM and all items entering or exiting the MBA are weighed. Scales are checked daily with calibrated test weights and recalibrated on a schedule of approximately 5 weeks. The recalibration program is computerized but obviously, maintenance is made available on an as-needed basis. Primary masses at the Y-12 Plant are calibrated by the National Bureau of Standards (NBS) on a five-year frequency.

b. Volume Measurements

Approximately 1,000 gallons of liquid containing [redacted] of SNM are measured each month as a part of the physical inventory. This material is transferred to calibrated storage tanks for sampling and volume determinations.

c. Analytical Techniques

There are three techniques used in making analytical determinations for accountability values.

(1) X-ray emission;
(2) Dichromate titration; and
(3) Mass spectrometry.

d. NDA Measurement

These determinations are covered in Section 4.3.2 of this report.

5.3 Near Real-Time Accounting System

At the Y-12 Plant, the accountability records system is embodied in a computerized network that collects transfer and other accountability data, processes it in accordance with the records system needs, produces necessary transfer and ledger records, and provides the Y-12 Plant's input to the DOE-HQ, controlled Nuclear Materials Management and Safeguards System (NMMSS) system. This Y-12 Plant system is identified by the acronym DYMCAS and is designed to be able to provide an accurate "book" inventory of discrete items for any MBA within the plant. The DYMCAS system is configured with two dedicated DEC 2060 processors as host computers. Host A maintains the on-line interactive system. Host B is a back-up processor if Host A should fail. Host B is also used during the day to run a Data Base Management System (DBMS) known as 1022. The NMC&A Department uses this DBMS to do inquiries, run special reports, troubleshoot problems, gather statistics, or evaluate data in the transaction data base. NMC&A also runs a test system on Host B to evaluate programming changes or troubleshoot problems. Hosts A and B each use one RP06 disk to maintain their respective operating systems. They also share five other RP06 disks and one RP07 disk. Host B shares two additional RP07 disks with a third 2060 processor. Both processors have tape drives to back-up disks and create historical file tapes.

PDP 11/34 computers are used as front-end communications processors for both hosts. (These are to be upgraded in the near future to PDP 11/44 computers.) Through these front-end processors, the hosts are connected via secure cable network to nine building processors. Eight of these building processors, which are also PDP 11/34 computers, are the communication links for 22 DYMCAS stations throughout the Plant. These stations typically consist of a CRT, scale, printer, and NDA device.

The NMC&A Department computer is a disk-based PDP 11/44 that functions as the ninth building processor. Currently, there are 13 CRTs and 5 printers connected to this computer. These CRTs are used primarily for inquiry and correction inputs by NMC&A personnel. They are also switchable to the DBMS on the back-up host. Besides being a communications link to the host, the management station processor has a significant amount of resident computing power used by NMC&A. Examples of systems maintained on this processor are: precious metals accountability data base; book/physical comparison for emergency inventory; discards data base; monthly NMMSS shipments; and receipts data.

The NMC&A Department is connected through DYMCAS via a high-speed link to another larger processor which in turn provides on-line interface to NMMSS at K-25 and to the DOE Automated 741 system. DYMCAS begins each day with an updated book inventory. Each discrete item is identified among other parameters as to MBA location and weight according to the most current data. When a particular MBA is ready to start inputting data to DYMCAS each day, an authorized individual must call the host operator and request that his MBA be turned on. At this time, all programs and data necessary to operate a building processor are down-line loaded from the host computer. Only after this process is complete can an individual log onto the system and begin inputting data. In order to log onto the system, an individual must have a unique badge number and a classified, unique password. After successfully logging onto the system, a user is presented a menu of transactions. From this menu he must choose the appropriate transaction screen to accomplish his intended activity. Each screen is programmed to require certain pieces of data and to do some edit checks on these data.

5.4 Internal Audits

Within the MC&A function at the Y-12 Plant is a function charged with responsibility of auditing the SNM accountability system. These audits include a specified routine of reviews to be performed each month with additional audits assigned on the basis of a specific problem or by a request from those who feel that a need for a special audit exists. The routine audits cover physical verification of portions of an inventory, compliance with written procedures, data submissions and records flow reviews, and in addition a review of the MC&A organizations records.

All discrepancies from standard and/or approved practice are recorded, discussed with the function being audited, and discussed with the appropriate MC&A supervisor. Written reports are prepared and follow-up action in the form of additional audits of the area involved in the discrepancy is scheduled.

5.5 Emergency Inventories

When an incident occurs within the Plant that results in a major disruption of planned or routine activities or when a breach of security system occurs, a very well ordered procedure for taking an inventory of the SNM is implemented in the area possessing SNM. Such incidents range from a wide variety of emergency situations that require immediate evacuation of the building, unannounced evacuation of a building (where personnel use the crash gates) and instances where a security breach (broken seal, door alarm, etc.) occurs.

Routine activities begin with securing the area in question by the Security Department. Next, a determination is made by the SNM Emergency Inventory Director, in consultation with appropriate plant officials, that an emergency inventory team is needed to confirm that the SNM charged to the area is or is not accounted for. Such an assessment requires a statement of the "book" inventory (i.e., what the MC&A records show the area charged with), a listing of all SNM items within the confines of the area, and a reconciliation of book inventory with what was recorded through the physical listing of materials. This involves the DYMCAS system providing the book inventory, inventory sheets, and item labels for the operating area personnel performing the listing, and a team from the MC&A function who are responsible for reconciling the two data sheets.

The most common cause of emergency inventories is practice evacuations for criticality training. In these practices the time is not announced and the employees are trained to exit through the emergency (alarmed) exits. Other common causes of an emergency inventory are operational safety situations and false alarms of the alarm system caused unintentionally by maintenance personnel testing or maintenancing the alarm system.

6.0 Security-Personnel and Physical

6.1 Initial Security Measures--1943-1945

- Late 1943--first product grade material produced.
- First "Material Access Area," Building 9203, Rooms 6 and 8.
- MAAs Building 9206.
- Background investigation which continued after employment.
- Guard controlled access/egress
- Color coded badge system
- Polygraph examinations
- Outside doors locked
- Personal recognition system
- Undercover agents
- Emphasis on protection of classified material and technology.

6.2 Security Measures--1945-1951

- o Severe drop of plant population.
- o Operations consolidated.
- o Administration of protection program transferred from military to contractor, Tennessee Eastman.
- o Uranium processing activities transferred from Building 9206 to 9212 complex.
- o Entire complex fenced.
- o Portion of complex facing Bear Creek double fenced.
- o Guard towers on all four corners of complex.
- o Personnel portal (roto-gate) and vehicle portal.
- o Double badging system.
- o Access approval from AEC Headquarters required.
- o 9212 complex basically autonomous--dedicated maintenance force laboratory, administrative offices, and cafeterias.
- o Three "material access areas" A, C, and D wings, in complex, access to each controlled by a guard and double badging system for each MAA.
- o Background investigations continue only prior to employment with periodic updates.
- o Physical protection of SNM in transit. Material transported between Y-12 and K 25.

  --Truck with armed guard.

  --Armored escort vehicle.

  --Radio contact between truck, escort vehicle, and both plants.

  --Guard at loading dock during unloading.

Security Measures--1951-1960

- o Increased plant employment.
- o "D" Wing, MAA, Building 9212 expanded.

- o "E" Wing, MAA, Building 9212 added.

  --Double badging system.

  --Guards controlling access.

- o Additional MAAs established for processing lithium in Building 9998; 9215; 9201-6; and 9204-4.

  --Double badge system.

  --Guards controlling access.

- o Lithium processing discontinued in Building 9204-4 in January 1955 and process operations transferred to Building 9204-2.

- o Fencing extended to enclose new processing facility within the 9212 complex.

- o Background investigations continue.

- o Polygraph discontinued in 1952.

Security Measures--1960-1970

- o Basically the same as previous period (1951-1960).

- o Instances where scrap containing depleted uranium or thorium alloys was inadvertently sold to metal scrap dealers. In each known instance material was returned.

Security Measures--1970-Present

6.3 Present Security Measures

6.4 Future Efforts to Improve Security

6.5 Surveys and Appraisals

- o Headquarters reviews.
- o Appraisals annually.
- o OR Security surveys.

  --Annual

- o Implementation/Outside Studies.

  --Sandia and LLNL threat studies.

7.0 Field Office Oversight of Contractor Control System

7.1 Observation

Observation by the DOE Field Office ranges from a newly established performance evaluation requirement of a critique of management's support of the MC&A function, to special inspections required to resolve shipper/receiver differences. Assessment of the management support involves a review of the MC&A function's organizational position and the directness of its communication channels, the function's staffing both professionally and quantitatively, and an observation of the plant's MC&A awareness. Recently these supports have been very strong.

Special effort is made to keep abreast of all new or unusual activities where SNM is accounted for. Emergency inventory processes and the measurements surrounding unusual occurrences have been observed. Activities surrounding an unusual incident such as a missing item or an out-of-control ID are occasionally observed but normally the field office demurs until the plant has arrived at a conclusion on the incident and then makes a formal review. Routinely, shipper/receiver differences are resolved by the contractors as they occur. When unresolvable SNM content problems arise the field office observes all weighing, sampling, processing, and sample analysis activities associated with the flow.

In association with the annual appraisal of nuclear materials control by the field office MC&A group, an effort is made to observe the inventory taking process in all areas charged with SNM. Those areas that cannot be observed in the actual act of recording the inventory are covered on an after-the-fact basis to confirm the accuracy of the data recorded as well as to assure that all items are listed. It is anticipated that a bar-code inventory system will eventually replace the current system of recording the items by hand. This move could make observation of the inventory more convenient for the field office.

7.2 Review of Procedures and Practices

A general MC&A procedures manual is maintained by the contractor and all operations that transfer, process, or measure SNM have standard operating procedures (SOPs) defining how the activities are to be carried out. Maintenance and laboratory operations also have SOPs defining how measurement equipment calibration or analytical methods are to be performed. As a part of the annual MC&A appraisal many of these procedures are checked against actual practice and also with a view toward standard nuclear industry practice.

The procedures and SOPs affecting SNM control are too voluminous to attempt to cover them all during one survey. However, the MC&A procedures manual is reviewed and approved as it is issued and/or revised to assure compliance with DOE Order 5630 and appendices and standard industry practice. During each survey, those measurement functions involved with the accuracy of SNM book values are reviewed. Among these are mass standards calibration, scales maintenance/calibration, sample methods, chemical laboratory analyses, and the laboratory quality control and chemical standards program.

7.3 Physical Verification and Analysis of Samples

Annual field office appraisals have more time dedicated to verification of the physical inventory than any other segment of review. To verify that the SNM inventory is acceptably stated from a physical viewpoint, the inventory is stratified within each MBA by material types that should bear a common level of accuracy. For example, metal items would not be lumped with uranium oxides as a common based population

These sub-groupings or populations are sampled using standard statistical methods to assure that the sample is representative and the items are selected randomly.

Normally all items are weighed using the weighing device in the MBA that is commonly used to assess the mass and, normally all items are isotopically verified using NDA instrumentation that is the property of the field office. A variety of NDA instruments are used but they are primarily concerned measuring the gamma ray emissions of the SNM items.

The statistical sampling plans provide accept/reject criteria and the populations are accepted if the number of rejects is within the criteria. However, note is made of trends and anomalies that need addressing by the operating areas. If physical samples of items in question are taken they are usually submitted to the Y-12 Plant laboratory for analysis. They have in the past been sent to other laboratories for analysis but current packing, handling, and receiving requirements plus the time usually required for the analysis to be performed have made such analysis routes impractical.

Verification actions listed so far have dealt with the physical aspects of the SNM inventory. A very large effort is spent by the field office to audit the MC&A records to assure that they meet standard accounting practice and are reconciled with (or agree with) the physical inventory. It is standard practice to check against the book records the weight and isotopic analysis data gained through physical verification actions.

If a population were to be rejected on the basis of weight or isotopic analysis, the operating supervision is notified of the rejection and given a specific time frame to have the population put in order. At the time specified for the population to be put in order the field office survey team returns and verifies the population with tightened sampling criteria. There have been occasions when populations of SNM at the Y-12 Plant were rejected but have always been found to be acceptably stated after reinspection.

7.4 Investigation of ID Problems and Missing Items

In recent years out-of-control IDs have been around the salvage/recovery operation . While all areas processing SNM are required to perform special clean-up operations in response to an unacceptable plant ID, the waste for the overwhelming part of SNM processing is received, put into a measurable state, and eventually processed by salvage/recovery. After the salvage is put into a measurable state, it is sampled for accountability purposes and the shipping MBA is credited with SNM based on an analysis of the sample.

ID problems arise primarily from measurements of SNM waste materials and since the salvage/recovery area receives and processes the other area's waste, it is natural that all material measurement problems migrate to that area.

Investigations by the field office usually involve a detailed review of the measurement activities performed on each flow of scrap plus the procedures for sampling the extraction columns and materials stored in horizontal tanks. Usually, the operations people have exhausted every known measurement problem before the field office team makes a move to investigate and, with rare exception, they

have an adequate explanation for the ID situation.

In the case of a missing item, the contractor fulfills an investigation activity before a conclusion is set as to whether or not the part or item is missing. After appropriate notification is given to required DOE HQ and other parties, the ORO NMC Division staff conducts an independent investigation to establish all the facts surrounding the incident, obtains any additional data or information required, and prepares for the ORO Manager a report of the findings. A permanent file of incidents involving lost or missing items is maintained by the ORO NMC Division.

7.5 Monitoring Control Indicators

Each month the field office is provided with a summary by MBA of the ID for each processing area. The general levels of the warning and alarm limits are known by the field office and the data are reviewed for trends.

A form titled "Request and Authorization to Remove Material from Inventory," is required by the field office for approval for discard SNM. The discard could be a stack loss, discard to the sewer, discard to the burial ground, accidental loss, or writeoff. These documents are reviewed by the MC&A and safety functions of the field office and also by the contract administrator for the Y-12 Plant and authorization to use the document to adjust the SNM records is given by the signature of the Nuclear Materials Control Division Director.

7.6 Headquarters Reviews

Before MC&A became joined with the Safeguards and Security function in AEC, HQ, a very thorough review of the appraisal work papers, both technical and audit, was performed. In recent years the HQ review has been directed primarily toward security with cursory reviews of MC&A. However, during the last field office appraisal of the Y-12 Plant, a member of the MC&A staff in HQ participated in the appraisal. The review activity that has been done by HQ has been in the context of visiting the plant as opposed to inspection of records at the Federal Building. While the reviews were not in depth, the ORO MC&A function has not received severe criticism.

PS Form 3811, Dec. 1980

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Ms. Alice Keene
2014 Dubois Road
Annapolis, MD 21401

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P 511 914 233

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X Alice Keene

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ANNAPOLIS, MD LEGION
JUN 12 1984

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7. **UNABLE TO DELIVER BECAUSE:**

7a. **EMPLOYEE'S INITIALS**

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

P 511 914 233

Sent to Alice Keene
2014 Dubois Road
Annapolis, MD 21401
Postage

Postmark or Date

1116896

May 25, 1984

Ms. Alice Koone
201A Dubois Road
Annapolis, Maryland 21401

Dear Ms. Koone:

Please accept this letter in partial response to your Freedom of Information Act ("FOIA") request of April 10, 1984, addressed to the Washington, D. C. Headquarters of the Department of Energy. Your request was forwarded to the Oak Ridge Operations Office for processing Article I, No. 11, of your request, in which you referenced a quote from the January 16, 1984, edition of the Baltimore Sun concerning "missing uranium" from the Y-12 Plant.

Article I, No. 11, assumes that some of the material discussed in the newspaper article was "transferred," and that the "transfer" may have been to some of the North Carolina entities you mention. Please be advised that no material discussed in the article is known to have been transferred to any other facility or entity. The "missing uranium" is an internal "inventory difference," a bookkeeping entry for material that is no longer physically measurable because it has been consumed in processing, has attached itself to internal portions of machinery, etc. A more complete description of the inventory difference at Y-12, and how it is calculated, appears in the enclosed copy of the deleted version of "Control of Nuclear Materials at the Y-12 Plant." These deletions were not made in response to your request, but for submittal of the report to the House Armed Services Committee.

In view of the foregoing, it is my determination that there is no document responsive to Article I, No. 11, of your FOIA request of April 10, 1984. I, as the Authorizing Official, Oak Ridge Operations, am the person responsible for making the above determinations. My position title is Assistant Manager for Administration.

Under DOE's regulations implementing the FOIA, a determination under 10 C.F.R. § 1004.4(d)(1) that a document does not exist gives rise to the right to appeal the determination to the Office of Hearings and Appeals. Appeals are required to be by written notice addressed to the Director, Office of Hearings and Appeals, Department of Energy, 1000 Independence Avenue, S.W., Washington, D. C. 20585, within thirty (30) days of receipt of the initial denial letter. Both the envelope and letter must be clearly

1-80-111

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PERSONNEL — 1
FOIA
2754

marked "Freedom of Information Appeal." Judicial review is available after appeal in the district in which you reside or have a principal place of business, or in which the records are situated, or in the District of Columbia.

Sincerely,

ORIGINAL SIGNED BY
P. T. MARQUESS

P. T. Marquess
Authorizing Official
Assistant Manager
for Administration

CC-10:TPS/JLF

Enclosure:
As stated

cc w/o enc: Nell Hayes, MA-232.1
Room 1G-051, Forrestal Bldg.
(Ref: #04068401H)

bcc w/o enc: Wayne Range, M-4

CC-10:TPSullivan/JLFoutch:mh:61204:5/25/84

CC-1 SULL 5/25
CC-1 FOUT 5/25
AD-4 MARQ 5/25

1116898

FREEDOM OF INFORMATION OFFICE

DOE F 1325.7
5-83

Exception to SF 14 Approved by NARS, June 1978

84 MAY 8 P3:37

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2. MESSAGE CONTAINS WEAPON DATA? ("X" appropriate box. Message Center will not transmit message unless one box is marked)
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☒ Single Address
☐ Multiple Address
☐ Title Address
☐ Book Message

FOR COMMUNICATION CENTER USE
MESSAGE IDENTIFICATION
NR 104-1 DTG ___

6. FROM
Nell Hayes, MA-232.1
Forstl. Rm. 1G-051 FTS
Washington, DC 20585 252-5025

7. OFFICIAL BUSINESS Nell Hayes (Signature of supervising official) (TIME) 10:35 A.M. P.M.

8. DATE May 2, 1984

9. TO
Wayne Range
Oak Ridge Operations Office
Oak Ridge, TN 37830
FTS 626-0888

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PRIORITY

PART I of II

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10. ORIGINATOR (On separate lines, enter Name, Routing Symbol & Tel. No.)
Nell Hayes
MA-232.1
FTS 252-6025

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Unauthorized Disclosure subject to Administrative and Criminal Sanctions
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14. ☐ FORMERLY RESTRICTED DATA
Unauthorized disclosure subject to Administrative and Criminal Sanctions or Restricted Data in Foreign Dissemination Section 144.b Atomic Energy Act, 1954
DERIVATIVE CLASSIFIER ___ (Name and Title)

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0011699

Hearings and Appeals, HG-1, Department of Energy, Forrestal Building, 1000 Independence Avenue, SW, Washington, DC 20585. Judicial review will thereafter be available within the district in which you reside or have your principal place of business or in which the Department's records are situated or in the District of Columbia.

We have forwarded your correspondence of January 20th and April 10th 1984, to the Freedom of Information Office located at our Oak Ridge Operations facility and they will respond with you directly regarding Article I, No. 11, in which you referenced a quote from the January 16, 1984 edition of the Baltimore Sun concerning missing uranium at the Y-12 Plant.

You also requested a copy of all documents, research orders and or reports etc. retrievable in files under your name. This portion of your letter will be responded to by a Privacy Act Analyst under separate cover.

Should you have any questions please contact the undersigned on (202) 252-5955.

Sincerely,

Original signed by Carole J. Gorry

Carole J. Gorry
Acting Chief
FOI and Privacy Acts Activities Branch
Division of Reference and Information Management

cc: MA-23
Official File Copy
Official File (RF)
GC-41-Pendergrass
PE-3 Shecktel
DP-10 Gilbert
IG-12 Bennett
NE-30 Longenecker
EI-53 Krusiewski
ORO - Range & Foutch
MA-232.1 Moore

MA-232.1:Hayes:sjb:26025:4/23/84:revised:4/25/84

CONCURRENCE
RTG SYMBOL MA-232
INITIALS/SIG Hayes
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RTG SYMBOL GC-41
INITIALS/SIG Pendergr
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April 26, 1984

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. Alice Koone
201A Dubois Road
Annapolis, MD 21401

Re: 040684018

Dear Ms. Koone:

This is in response to your letters of January 20th, March 12th and April 10th 1984, requesting the Department of Energy (DOE) respond under the Freedom of Information Act (FOIA), 5 U.S.C. §552 and the Privacy Act (PA), 5 U.S.C. §552a.

The FOIA, 5 U.S.C. §552(a)(3)(A), provides that a request for records should be one which "reasonably describes such records" so as to enable DOE personnel to locate them with a reasonable amount of effort. There are no provisions under the Act for agencies to respond to questions.

A request made pursuant to the FOIA must enable the DOE to identify and locate the records sought by a process that is not unreasonably burdensome or disruptive of its operations. Preliminary searches were conducted within the Offices of Nuclear Materials, Energy Research, Policy, Safety and Environment, Nuclear Energy, Inspector General and General Counsel. These searches have been completed. In accordance with 10 C.F.R. §1004.7(b)(1)(ii), there were no documents in existence to respond to your requests.

Pursuant to 10 C.F.R. §1004.7(b)(2) I am the individual primarily responsible for the above denial.

Personnel in the appropriate DOE program areas, in addition, had difficulty determing what records were being sought in your requests. Your requests required that DOE make subjective judgments regarding whether certain material might contain responsive information. The documentary review being sought is therefore, more in a nature of a subjective search than simply a search to locate and identify responsive documents. Several attempts to obtain your telephone number in order to personally clarify and reformulate your requests, were unsuccessful.

The Freedom of Information regulations provide, in Title 10, Code of Federal Regulations, §1004.8(a) that an appeal may be had for portions of this letter which constitute a denial to your request. Such appeal must be made in writing, within 30 days of receipt of the denial, to the Director, Office of

CONCURRENCES
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CERTIFIED MAIL P371 906 810
Return Receipt Requested

ALICE KOONE
201A DUBOIS ROAD
ANNAPOLIS, MARYLAND 21401

April 10, 1984

SECOND FREEDOM OF INFORMATION REQUEST

Director Of Information
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

REFERENCE: FOIA - Second Request Enclosed
FOIA - First Request dated January 24, 1984 - not acknowledged.
Follow-up letter March 12, 1984 - not acknowledged

Dear Sirs:

THIS IS A SECOND REQUEST under the Freedom of Information Act (5 USC, Section 552) and the Privacy Act (5 USC, Section 552a) as Amended and Applicable to all Federal Funds Received or administered by this Agency

On or about January 20, 1984 the REQUESTER filed the first Freedom of Information Request. As of this date no reply of any kind has been received. (THE REQUESTER - herewith forwards a carbon copy of the 1/20/84 Request and makes it a part of this Request).

On or about March 12, 1984, the Requester forwarded a letter of inquiry to the within addressee and the within Address - no reply has been received as of the date hereon.

As already included in the First Request as follows:
""Included in this Request are any and all laws that may be applicable under the Public Highways and the so-called Public Safety and Crime Control criminal operation.

ARTICLE I
In order to assist you to understand the information requested is not a 'National Security' or a 'National Classified excuse, I include the known and already revealed information contained by this REQUESTER from the United States Government and other public information already received as of the result of this REQUESTER's Freedom of Information Requests: as follows:

1. There has been within the United States, since before World War I, a criminal assault murder ring of Operators of the Masonic Priority of Sion, that have been using "surreptitious entry brain function control (covered by background noises and the religious' scam) activity to CRIMINALLY ASSAULT and CRIMINALLY MURDER and CRIMINALLY HOLD IN HUMAN BODY SLAVERY a group of America citizens (these have been identified as """ETHNIC GERMANS, TURKS, AUSTRIANS, BULGARIANS, HUNGARIANS, ITALIANS, and JAPANESE) for the express purpose of taking their ASSETS, Real Estate and to make a PROFIT from the criminal mutilation and maiming of their bodies for DRUG AND CHEMICAL EXPERIMENTATION and to work to perfect human brain function control by mutilation of the brain. These operations have been carried out in part by EXECUTIVE ORDERS 2525, 2526, 2527 and 9066
((In addition, the Proclamations of President Woodrow Wilson dated April 6, 1917 as applied to "Imperial German and Radio Control to be turned over to and placed under control of the United States Navy))).
and defined as to the binary wave instrument use in Kibroplex vs Saunnel 15 Federal 2nd. 628.

Quote cont:

"2. Possibly before but from at least 1902, It has been revealed that the Johns Hopkins University was engaged in surveying and mapping the rivers and waters of the State of North Carolina and at a later date the State of Maryland and prepared a "Plan for the Political Development of the land along the rivers and waters of the State of N.C.

3. It has been revealed that the United States Government under cover of the United States Military Departments and the Federal Security Agency, (Health Departments and Education) commenced an extensive criminal invasion and experimental "APPLICATION RING AGAINST THE AMERICAN PEOPLE for the express purpose of taking the assets of the AMERICAN PEOPLE by mutilation and by the use of harassment activities to "MOVE THEM OFF THEIR LAND DESIRED by a Group of Criminal brain function invasion murderers.

4. It was and is revealed that Drs. Crawford, Glenn, Washburn and others of Rutherford County, North Carolina were part of the criminal invasion ring. Drs. Crawford (working out of the Johns Hopkins University) and the Rutherford Hospital and Dr. Glenn(working out of the University of Pennsylvani and Dr. Washburn as an experimental operator for the Rockefeller Foundation (out of the University of Virginia, New York City and Illinois).

5. There have been a number of operators from the Johns Hopkins University. One of which is the present Dr. Tanner, Dr. Jaski, Dr. Rogers (Calif), Dr. Winkler, Dr. Radford, Dr. Brown - all operating out of the Rutherford County Hospital and the County.

6. It has been revealed that the Rutherford County in 1940 had the largest amount of radium for mutilation murder of the Rutherford County citizens (by the use of radio-active/radium salts) in order to mutilate and take the assets of the North Carolina, South Carolina and Tennessee citizens.

7. It has been revealed that there has been an excessive increase in DOCTORS SPECIALIZING in RADIATION and RADIUM BURNS, MUTILATION and skin damage (and brain damage) that have flooded Rutherford County, together with an influx of operators specializing in the criminal invasion operation called by them "psychology" and "Psychiatry".

8. It has been revealed that there has been discovered gold in the Rutherford County and possibly one of the largest "tin" deposits in the World and at another area there has been discovered "lithium" deposits of a large quantity. It has been revealed that EXXON and TEXACO have been operating in the County to "acquire" land; and I am told about a SOCAL Oil or a Sokol oil company operating the area (maybe Southern California Oil).

9. It has been revealed that the County of Rutherford or the State of North Carolina has been engaged in altering or repairing road #108 Bridge and at least one of the residents along this highway was shot deliberately by a group calling themselves - Special Intelligence Units . The resident owned land and was without kinfolks -immediately. ((along Broad River Bridge)).

10. It has been revealed that Robert C. Brown - a doctor specializing in "cellular pathology or alteration Group of the OAK RIDGE LABORATORY IN TENNESSEE" is operating in Rutherford Hospital, Rutherford County.

11. It was revealed in the BALTIMORE SUN, January 16, 1984, that, quote: "More than 1700 pounds of enriched uranium - enough to make 85 atomic bombs - has been reported missing since 1947 from a government nuclear weapons plant at Oak Ridge, according to a published report. Even after

1116 903

Quote cont.

"security and accounting procedures at the top-secret Y-12 plant were tightened five years ago, records showed that about 178 pounds of uranium went unaccounted for between 1979 and 1982, and the Scripps-Howard News Service said in a report published yesterday in the Memphis (Tenn). Commercial Appeal and the Knoxville News Sentinel". end quote.

I WISH TO KNOW how much of the Uranium reported transferred in the above Report has been transferred to the use of:

A. The North Carolina State or the Rutherford County Highway Department. IDENTIFY THE AMOUNT OF RADIUM TRANSFERRED TO THIS AGENCY.

B. The Rutherford County Hospital and Doctor Robert C. Brown formerly of the OAK RIDGE LABORATORY. IDENTIFY THE AMOUNT OF RADIUM (URANIUM) TRANSFERRED TO THE USE OF DR. ROBERT C. BROWN.

C. The following operations in Rutherford County have been identified as having part of the "radio active" handlers: Elmore Corporation, Spindale, N.C., Polysar, Inc. Forrest City,N.C., and Reeves Brothers, Inc. Rutherfordton, C. C. and Broyhill Lumber/Furniture Manufacturing Company, Marion, N.C.
IDENTIFY THE AMOUNT of uranium transferred to each of these operators.

D. It has been revealed that the Rutherford County Community College has been identified as handling "radio active materials" -
IDENTIFY THE AMOUNT OF THE ABOVE MISSING URANIUM TRANSFERRED TO THE COMMUNITY COLLEGE OF RUTHERFORD COUNTY.

ARTICLE II
IT HAS BEEN REVEALED that one of the operators of the real estate assault murder ring of the Johns Hopkins University is located in Annapolis, Md. It has been revealed that persons, have been mutilated as a part of the Johns Hopkins University - Baltimore (FOIA Reply - this REQUESTER - and her family- identified as intended murder victim to take land in Annapolis and North Carolina) It has been revealed that other persons at the INTERSECTION - ROUTE #50 - ROWE BOULEVARD, Annapolis, Maryland have been murdered.
(((ADDENDUM - ARTICLE II - A and ARTICLE II- B))))).

1. I WISH TO KNOW the amount of the above missing uranium was transferred to the State of Maryland for use in the "Roads - landfills, and Transportation and other Department for the installation along Route #50 and Rowe Boulevard, Annapolis, Maryland.

2. I WISH TO KNOW the amount of uranium(the above missing identified) was transferred to anyone including the Johns Hopkins University/Hospital and the United States Army Reserve and the MIDDLETOWN ROAD LAND FILL Site - E.P.A.#03 MDD 980705099 - "Dickerson (May be the same "Dickerson" as operating in Rutherford County, Broad River, North Carolina). It has been revealed that people living near the subject dump (Dickerson) have had WIDESPREAD health problems including "skin cancer and radiation sickness and other "radio-active binary wave induced diseases".

3. I WISH TO KNOW the amount of uranium missing as identified above has been transferred to any other person/persons for use in or near the ROUTE # 50 - ROSCOE ROWE BOULEVARD, interchange, Annapolis, Maryland/ end quote

(((ADDENDUM - ARTICLE II-A
It has been revealed that persons living near the Memorial Stadium and Lake Montebello (especially the section between Lake Montebello Drive and Harford Road have suffered "radiation sickness and radiation diseases". And as a

result of the criminal assault upon them have sustained extensive physical, and property damage,
I WISH TO KNOW the amount of the missing uranium and the persons to whom the uranium was transferred for use in the area known as Lake Montebello Drive or the Babe Ruth Memorial Stadium, Baltimore, Maryland - (Hand sketch showing location of mutilated victims enclosed).
ADDENDUM
ARTICLE II-B
IT HAS BEEN REVEALED - that the DUKE POWER COMPANY of Rutherford County, (CHARLOTTE) North Carolina has closed or is to close it plant at RIVER BEND. It has, also, been revealed that the DUKE POWER COMPANY has opened a new or had a NUCLEAR Power Plant on BROAD RIVER.
It has been revealed that the MARK DICKERSON (family -now deceased) had/has a farm located in Rutherford County, North Carolina adjacent to land owned by the family of this REQUESTER on Broad River, Rutherford County, North Carolina near United States Road designated as U.S. ROUTE # 108. The land owned by Dickerson's is held by the Corporation known as River BEND Farms, Inc. (other land is included in this corporation - located on "River Bend of the Broad River and other River Bend in North Carolina - A family corporation is, also, held as River Bend in the State of Virginia).
It has been revealed that the Dickerson Family is connected to the Duke Power Company family. (((Dr. Crawford son is also connected to Duke Power)
It has been revealed that the Manager of the Duke Power Company in North Carolina is Larry Wright. He is known to have had a "Military Training attendance at or near Fort Belvoir".

The REQUESTER has sustained considerable and extensive physical and prope and economic damage concerning the land at Rowe Boulevard and #U.S. Route # 50 (165 dwelling units- brick single swelling and another frame dwellin garage) forced to the ownership of Arthur R. Thom via an admitted conspir the property is now under the Control of Danny O. Wright (There is a Danr Wright at [redacted] who may be part of the same family). (Identification map enclosed)
I WISH TO KNOW the amount of the missing uranium noted above transferred the DUKE POWER COMPANY via the Dickerson "Haulings".
I WISH TO KNOW the amount of the radio-active "TAILINGS" from the Duke Power RIVER BEND OPERATIONS transferred to:

1. The "Dickerson "dump" identified in ARTICLE II-2
2. The fill dirt operation in the construction and ALLEGED REPARIS to the ROAD at Route #50 and Rowe Boulevard Parcel " P.425 NOW DANNY O. WRIGHT as marked on the accompanying map.

ARTICLE III - Quote continued
" IT HAS BEEN REVEALED that some of the students at the University of Baltimor attending the school from 1945 through 1951 have been mutilated and three have been known to be murdered,
I WISH TO KNOW THE AMOUNT of the missing uranium above referred and the person /persons to whom the uranium was transferred for use against these students at this school. It has been revealed that a psychiatrist by the name of Raymond B. Nell, Sr. was operating as an instructor at the said school during the period aforesaid. His experimentation, if any, was not made known to the students. He can now be identified.
IT HAS BEEN REVEALED THAT THE Johns Hopkins University was operating against some of these individuals.

WARREN J. WEINBERGER has publicly declared that he was an Agent for the O.S.S and a graduate of [redacted] Officially this information has not been confirmed.
THE COPY OF THE SECRET CODE OF THE PRIORITY OF SION As enclosed

1116905

WARREN J. WEINBERGER has been documented as connected to Arthur R. Thom in the within accompanying map.

continued quote:
"ARTICLE IV
I wish to obtain a copy of all documents, contracts to or from any of the person (s), State (s), County (ies), City (ies), partnership (s), company (ies corporation (s), including doctor (s), nurse (s), hospital (s), psychiatric institution (s), school (s), radio station (s) all law enforcement agency (ies and intelligence agency (ies) or officer (s) as applied to the REQUESTER or the Koone/Koon Family in either North Carolina, Oklahoma, Michigan, South Carolina, Maryland or California and this AGENCY.
TO ASSIST YOU TO IDENTIFY: The REQUESTER has lived in Baltimore, Annapolis and Rutherford County, N.C.; STREETS: Rondo Court, Sixth Street, Eighth Street, Halcyon Avenue, Rexmere Road, Loyola Northway, Lake Montebello Drive, Uhler, Alameda, Fidelity Building and West Street, Dubois Road, Ash Lane and Rutherfordton, N.C. Route.

EMPLOYERS are identified as Bethlehem Fairfield Shipyard, The Maryland Drydock Company, Merando, Inc., Bendix, Inc., Truland Organization, Inc. Flow Laboratories, Icn. Weinstein Eudcation Services, Inc., - Others crane, Korpman, Leary, Feldman.

I WISH TO OBTAIN a copy of any reference to any information concerning this REQUESTER transferred to or within this Department.

INCLUDE IN THAT INFORMATION any uranium information transferred to the Duke Power Company - North Carolina for use against any Broad River residents living along the River from Lake Lure Dam eastward to Charlotte.

TO SUMMARIZE, I wish to obtain a copy of all documents, research orders, and/or reports of research findings, surveillance orders any any other correspondence or material of every nature, kind and description (including the farce of "might someday be guilty of fraud, a national security risk, violate the post office 'including post office monitoring for this purpose', commit drug offenses, owe a debt and abscond, violate a bond, etc) retrievable in a search for files listed under my name (ALICE KOONE, ALICE KOONE GILBERT, ALICE GILBERT OR Mrs. Troy C. Gilbert) or the name of any other person, including any alias or with reference to Troy C. Gilbert as referred to me. Please advise me, if my name or any of the above names is CONTAINED IN any other "SEE REFERENCE" files as well so that I can make a decision to have any such files searched.

ARTICLE V
If all or any part of my request is denied (keeping in mind that we are dealing with MURDER AND GENOCIDE - with MALICE and CRIMINAL INTENT- of thousands of citizens of the United States and this State and the State of North Carolina and the known and proven murder of members of the REQUESTER's Family have been "SPECIFICALLY IDENTIFIED and HAVE BEEN ALREADY MURDERED" Victims,) please list the specific exemption which is/are being claimed to withhold information. I will expect, as the ACTS provide that you will provide me with the remaining non-exempt portions. I, of course, reserve the right to appeal any decision to withhold information and expect THAT YOU WILL list the address and offices where such an appeal can be sent. (I have previously stated that this REQUEST was referred to this Department by the Environmental Protection Agency).

ARTICLE VI
In accordance with the requirements of the Freedom of Information Act, the [illegible] Request is not only person as Members of this Requester's family are KNOWN VICTIMS but thousands of other persons living in the

States of Maryland and North Carolin have likewise been victims of uranium radiation and have thus been maimed, the information has been medically documented and thousands and millions have been murdered, mutilated, lost their land and assets to the NOW KNOWN EXISTING CRIMINAL/MURDER RING and their criminal intent has been established. This information should benefit thousands of Americans who are waiting to see the outcome of this REQUEST. The REQUESTER encloses a list of AMERICANS murdered in 1980 by the USE OF THE BINARY WAVES against them and the instruments thus used for that purposes (cancer murders are not included in the listing).

ARTICLE VII
AS YOU KNOW the amended FOIA and State Laws permit you to reduce or waive search and/or copying fees - as does the U.S.Code under which you operate in the States - when release of the required information would be in the public interest. I believe, that this Requested information plainly fits that category; and I, therefore, ask that you waive such fees. I list as reasons for this request by incorporating herein the information already listed in all of the ARTICLES of this REQUEST without repeating them herein as my reason of PUBLIC INTEREST. If this REQUEST should for any reason proceed to the processing under the Other ACT, however, I expect, as that ACT provides that no fees will be charged for locating the required files. The FOIA, also, requires that if any portion of a file is exempt from release, the remainder must be released. I, therefore, request that I be provided with all non-exempt portions which are reasonably segregable. I, therefore of course, reserve the right to APPEAL, the withholding of any deleted or any deletions of any material or information.

I am prepared to pay reasonable costs for locating these files and reproducing them/it. The Amended Act does provide, however, that you may reduce or waive the fees if it is in the PUBLIC INTEREST because furnishing this information can be considered as primarily benefiting the PUBLIC. I, therefore, ask you to waive any fees; if you rule otherwise, please inform me of the charges (costs) before you fill my request.

ARTICLE VIII
IF YOU HAVE any questions regarding this request, please write to me at the following address:
ALICE KOONE 201A DUBOIS ROAD, ANNAPOLIS, MARYLAND 21401

ARTICLE IX
AS PROVIDED in the Freedom of Information Act, I will expect to receive a reply within the ten (10) days (working) allowed by law from the date of receipt. This request is dated April 10, 1984 and should be received by you at least by seven (7) days from the date hereon.

Thank you for your cooperation.

Respectfully yours,

Alice Koone

Alice Koone
Detroit, Michigan
244-16-0614

Enclosed - list of Murders 1980
carbon copy of FOIA - filed 1/20/84
Hand maps - Montebello, Rowe Blvd #50
~~Broad River~~ N.C.

1116907

COPY

FOIA REQUEST #1

10

ALICE KOONE
201A DUBOIS ROAD, ANNAPOLIS, MD. 21401

JANUARY 20, 1984

United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

Reference: FOIA Request enclosed - dated January 24, 1984

Dear Sir:

THIS IS A REQUEST under the United States Government Freedomf of Information Request Act as amended (5 U.S.C. Section 552) and the Privacy Act (5 U.S.C., Section 552a) asamanded and applicable to -- ALL FEDERAL FUNDS RECEIVED BY THIS AGENCY/ORGANIZATION -- for or from the United States Government and that includes all GOVERNMENT OF THE UNITED STATES AGENCIES of every kind and every nature - including, but not limited to, Revenue Sharing, and any and all TRAINING GRANTS-Housing Department Grants, (including the brain function invasion and surreptitious entry brain control activities for any and all purposes - include FEMA, Public Safety and Correctional Services, LEAA, U.S. Justice Dept, and all its subordinate Agencies (such as DEA, NIMH, BATA, BATF, PHS, FSA, Education) and all DEFENSE DEPARTMENT FUNDS of every kind and description, i.e. Marines, Coast Guard, Navy, Army, Office of Strategic Service, U.S. Army Counter Intelligence Services, War Information Department, and all OTHER INTELLIGENCE AGENCIES, whether Federal State, Military, State, County, City including the NSA , the 'OLD BOYS Network and the CIA, and FBI and their alleged cover for the CRIMINAL ASSAULT to maim and murder using binary wave invasion and microwave radiation and radium radiation - and all COVERS TO HIDE THE CRIMINAL INVASION OF AMERICAN CITIZENS FOR THE EXPRESS PURPOSE TO MURDER THEM TO TAKE THEIR ASSETS.

Included in this Request are any and all laws that may be applicable under the Public Highways and the so-called Public Safety and Crime Control criminal operation.

ARTICLE I

In order to assist you to understand that the information requested is not a National Security or a National Classified excuse, I include the known and already revealed information contained by this Requester from the United States Government and other public information already received as of the result of this Requester's FREEDOM OF INFORMATION REQUESTS:

1. Ther has been within the United States, since before World War I, a criminal assault murder ring of Operators of the Masonic Priority of Sion, that have been using Surreptitious Entry Brain Function Control)covered by background noises and religion) activities to Criminally Assault and criminally murder and criminally hold in human BODY SLAVERY a group of Americans citizens (these have been identified as ETHNIC Germans, Turks, Bulgarians, Austrians, Hungarians, Italians and Japanese) for the express purpose of taking their ASSETS, REAL ESTATE and to make a PROFIT from the criminal mutilation and maiming of their bodies for DRUG AND CHEMICAL EXPERIMENTATION and to work to perfect brain function control by mutilation. These operations have been carried out in part by Executive Orders 2525, 2526, 2527 and 9066 and defined as to the binary wave instrument use in Vibroplex vs Brunnel 13 Fed 2nd 528)

2. Possibly before but from at least 1902 it has been revealed that the Johns Hopkins University was engaged in surveying and mapping the river and waters of the State of North Carolina and at a later date the State of Maryland and prepared a Plan for the Political Development of the land along the Rivers of the States.

3. It has been revealed that the United States Government under cover of the United States Military Departments and the Federal Security Agency, (health departments and education) commenced an extensive criminal invasion and experimental APPLICATION RING AGAINST THE AMERICAN PEOPLE for the express purpose to take the assets of the American people by mutilation and by the use of harassment activities to MOVE THEM OFF THE LAND DESIRED BY A GROUP OF CRIMINAL INVASION MURDERERS.

4. It was and is revealed that Drs. Crawford, Glenn, Washburn and others of Rutherford County, North Carolina were part of the criminal invasion ring. Drs. Crawford (working out of the Duke University) and Rutherford Hospital and Dr. Glenn operating out of the University of Pennsylvania and Dr. Washburn as an experimental operator for the Rockefeller Foundation out of New York and Illinois.

5. There have been a number of operators from the Johns Hopkins University Hospital - one of which is the present Dr. Tanner, Dr. Jaski, Dr. Rogers, Calif - Dr. Winkler, Radford, - all operating out of the Rutherford County.

6. It has been revealed that the Rutherford County in 1940 had the largest amount of radium for mutilation murder of the Rutherford County citizen in order to take their assets by the administration of radium salts.

7. It has been revealed that there has been an excessive increase in DOCTORS SPECIALIZING IN RADIATION AND RADIUM BURNS, MUTILATION and skin damage that have flooded Rutherford County, together with an influx of operators specializing in the criminal invasion operation called by them psychology and psychiatry.

8. It has been revealed that there has been discovered gold in the County and possibly one of the largest "tin" deposits in the World and at another area there has been discovered lithium deposits of a large quantity. It has been revealed that Exxon and Texaco has been operating the County; and I am told about a scol Oil or sokal or socal, socol or sokol oil company operating the area.

9. It has been revealed that the County of Rutherford or the State of North Carolina has been engaged in altering/rppairing road #108 Bridg and at least one of the residents on this highway was shot deliberated by a group calling themselves - Special Units including the Bridge at Broad Rive

10. It has been revealed that Robert C. Brown - a doctor specializing in "cellular pathology or alteration Group of the OAK RIDGE LABORATORY IN TENNESSEE is operating in Rutherford Hospital, Rutherford County.

11. It was revealed in the SUN, (Baltimore) January 16, 1984, that quote: "More than 1,700 Pounds of enriched uranium - enough to make 85 atomic bombs - has been reported missing since 1947 from a government nuclear weapons plant at Oak Ridge, according to a published report. Even after security and accounting procedures at the topsecret Y-12 plant were tightened five years ago, records showed that about 178 pounds of uranium went unaccoun

ed for between 1979 and 1982, the Scripps-Howard News Service said in a report published yesterday in the Memphis (Tenn.) Commercial-Appeal and the Knoxville News Sentinel." end quote:

I wish to know how much of the Uranium Reported transferred in the above report has been transferred to the use of:

A. The North Carolina State or the Rutherford County Highway Department.

B. The Rutherford County Hospital and Doctor Robert C. Brown formerly of the Oak Ridge Laboratory.

C. The following operations in Rutherford County have been identified as having part of the "radio active" handlers: Elmore Corporation, Spindale, N.C., Polysar, Inc. Forrest City, N.C. and Reeves Brothers, Rutherfordton and Brohhill Lumber Co. Marion, N.C.
Identify the amount of uranium transferred to each of these operators.

D. It has been revealed that the Rutherford County Community College has been identified as handling "radio active material" - Identify the amount of the above uranium transferred to County Community College.

ARTICLE II

It has been revealed that one of the operators of the real estate assault murder ring of the Johns Hopkins University is located in Annapolis, Md. It has been revealed that persons, have been mutilated as a part of the Johns Hopkins University (FOIA - this Requester and her family -identified as an intended murder victim to take land in Annapolis and North Carolina). It has been revealed that other persons at the intersection of Route #50 and Rowe Boulevard, Annapolis, Md. have been murdered.

A. I wish to know the amount of uranium transferred to the State of Maryland for use in the Roads, Transportation and other Departments for the installation at Route #50 and Rowe Blvd, Annapolis, Md.

B. I wish to know the amount of uranium transferred to anyone including Johns Hopkins University/Hospital and the U.S. Army Reserve and the Middletown Road Landfill Site - EPA # 03 MDD 980705099 - Dickerson (May be the same Dickerson as operating in Rutherford County, Broad River, North Carolina). It has been revealed that people living near the subject "dump" have had widespread health problems including "skin cancers and radiation sickness".

C. I wish to know the amount of the uranium transferred to any other person/persons for use in or near the Route #50 and Rowe Boulevard, Annapolis, Maryland.

D. I wish to know the amount and the persons to whom the uranium was transferred for the area known as Lake Montebello Drive, or the Babe Ruth Stadiu, Baltimore, Maryland (33rd and Lake Montebello Dr.).

ARTICLE III

It has been revealed that some of the students at the University of Baltimore attending the school from 1946 through 1951 have been mutilated and murdered, I wish to know the amount of the uranium and the person to whom the uranium was transferred for use against these students at this school. It has been

ARTICLE IV
I wish to obtain a copy of all documents, contracts to or from any of the person, States, Counties, Cities, person, partnerships, companies or corporations, including doctors, nurses, hospitals, psychiatric institutions or schools and radio stations, all law enforcement agencies and intelligence agencies or officers as applied to the Requester or the Koone Family in either North Carolina or Maryland or Oklahoma or California and this Agency. To assist you to identify: The requester has lived in Baltimore and Annapolis Maryland and Rutherford County, North Carolina - Streets, Rondo, Sixth, Eights, Halcyon, Rexmere, Dubois, Ash Lane, West St, Loyola Northway, Lake Montebell and associated Fidelity Building and others.

Employers have been identified as Md. Drydock, Fairfield Ship Building Merando, Bendix, Truland, Flow Laboratories, Weinstein, Crane, Korpman, and Feldman.

I wish to obtain a copy of any reference to any information concerning this Requester transferred to or within this Department.

Include in that information any uranium information transferred to the Duke Power Company - North Carolina or other.

To Summarize, I wish to obtain a copy of all documents, research order, and/or reports of research findings, surveillance orders and any other correspondence or material of every nature, kind and description, (including the farce of anyone who may be guilty of fraud, may commit fraud or who may be in the future commit fraud, be a national security risk, violate the post office, commit drug offenses, owe a debt, absconded, violated a bond and etc.). retrievable in a search for files listed under my name (Alice Koone, Alice Koone Gilbert or Mrs. Troy C. Gilbert) or the name of any other person, including aliases or (Troy C. Gilbert) with reference to me. Please advise me, if my name or any of the above names is CONTAINED in any other "SEE Reference" files as well as that so I can make a decision to have any such files searched.

ARTICLE V

If all or any part of my request is denied (keeping in mind that we are dealing with MURDER AND GENOCIDE -with MALICE AND CRIMINAL INTENT- of thousands of citizens of the United States and this State and the State of North Carolina and the known and proven murder of members of the Requester's Family have been "SPECIFICALLY IDENTIFIED and HAVE BEEN ALREADY MURDERED" VICTIMS), please list the specific exemption which is/are being claimed to withhold information. I will expect, as the ACTS provide that you will provide me with the remaining non-exempt portions. I, of course, reserve the right to appeal any decision to withhold information and expect THAT YOU will list the address and offices where such an appeal can be sent. (I have previously stated that this Requester was referred to this Department by the Federal Emergency Management Agency -

ARTICLE VI

In accordance with the requirements of the Freedom of Information Act, the reasons for this Request are not only personal as Members of this Requester's family are KNOWN VICTIMS, but thousands of other persons living in the State of Maryland and the State of North Carolina have likewise been victims of uranium radiation and have thus been maimed, the information has been medically documented and thousands and millions have been murdered, mutilated, lost their land and assets to the KNOWN NOW EXISTING CRIMINAL RING

and the criminal intent has been established. This information should benefit thousands of Americans who are waiting to see the outcome of this Request. The Requester encloses a list of Americans murdered in 1980 by the USE of the binary waves against them and the instruments thus used for that purpose. - cancer murders are not included in the listing.

ARTICLE VII

AS you know the Amended FOIA and State Laws permit you to reduce or waive search and/or copying fees - as does the code under wich you operate in the States - when release of the required information would be in the public interest. I believe, that this requested information plainly fits that category; and I, therefore, ask that you waive such fees. I list as reasons for this request by incorporating herein the information already listed in all of the Articles of this Request with repeating them herein as my reasons of PUBLIC INTEREST. If this request should for any reason proceed to the processing under the Other Act, however, I expect, as that Act provides that no fees will be bharged for locating the required files. The FOIA, also, requires that if any portion of a file is exempt from release, the remainder must be released. I, therefore, request that I be provided with all non-exempt portions which are reasonably segregated or segregable. I, therefore of course, reserve the right to Appeal, the withholding of any deleted or any deletions of any material or information.

I am prepared to pay reasonable costs for locating these files and reproducin them/it. The Amended Act does provide, however, that you may reduce or waive the fees if it is in the public interest because furnishing this information can be considered as primarily benefiting the public. I, therefore, ask you to waive any fees; if you rule otherwise, please inform me of the charges before you fill my request.

ARTICLE VIII

If you have any questions regarding this request, please write to me at the following address:
ALICE KOONE 201A DUBOIS ROAD, ANNAPOLIS, MARYLAND 21401

ARTICLE IX

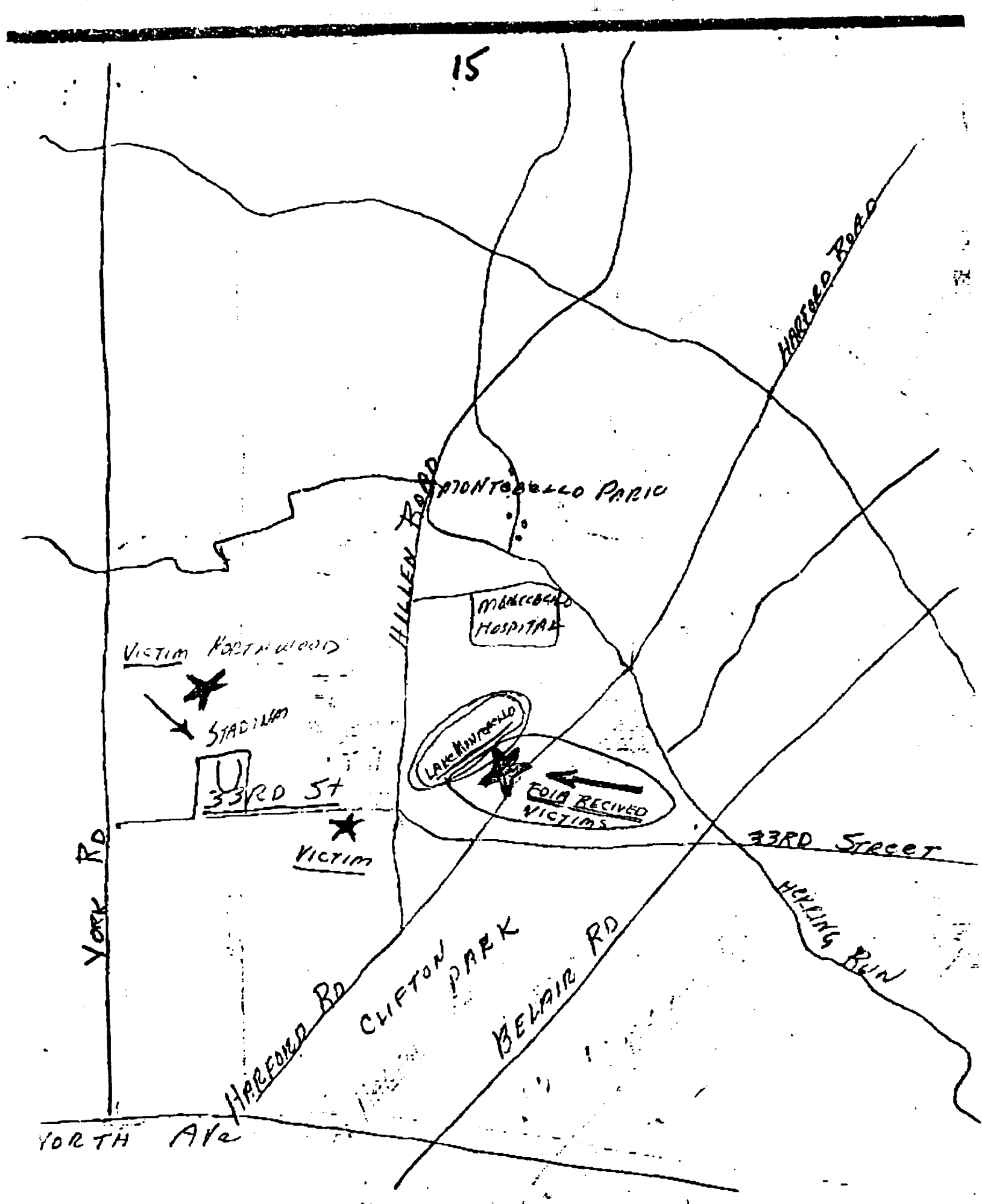
As provided in the Freedom of Information Act, I will expect to receive a reply within the ten (10) days (working) allowed by law from the date of receipt. This request is dated January 26, 1984 and should be received by you at least by that date.

Respectfully yours,

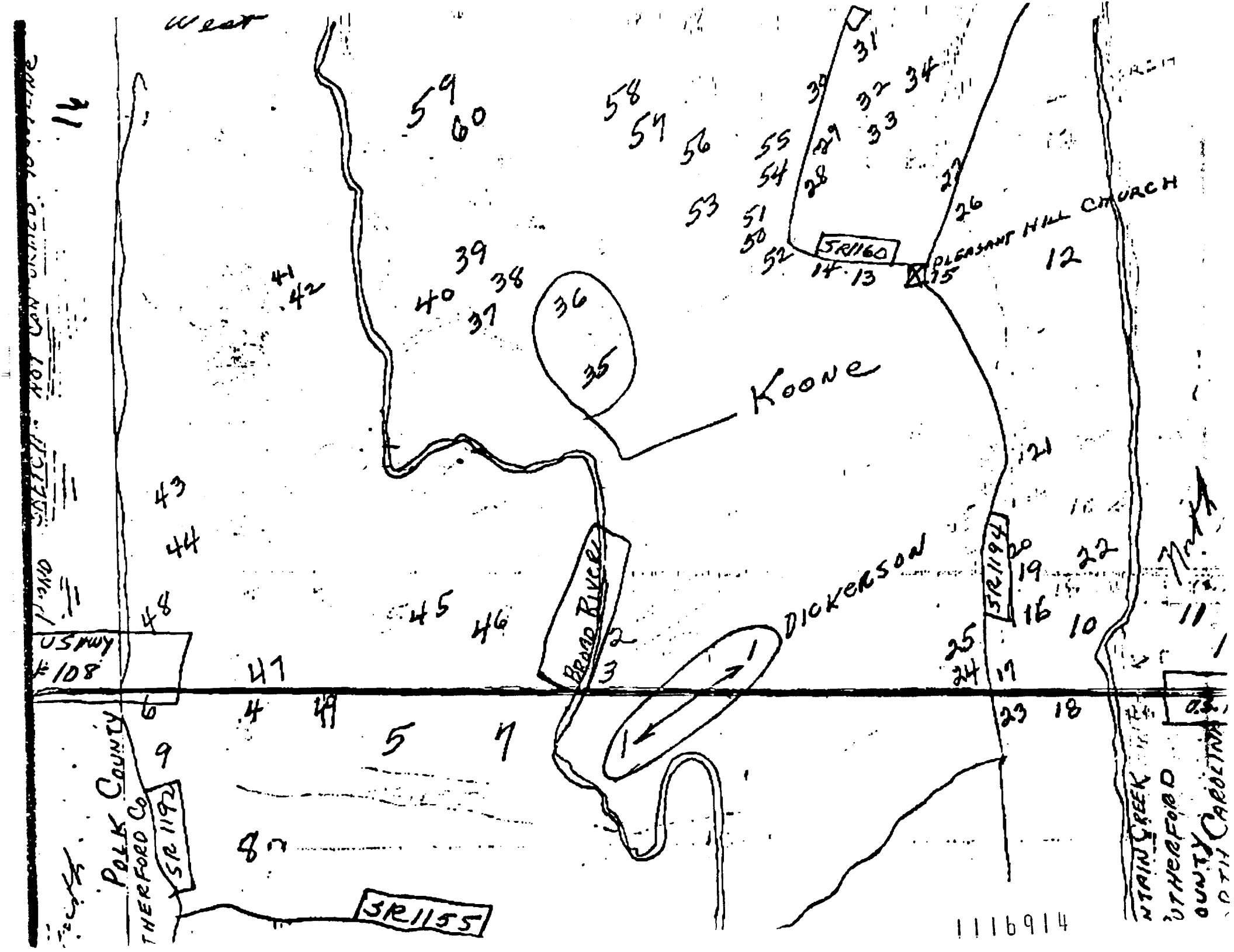
Alice Koone
Detroit, Mich 244-16-0614

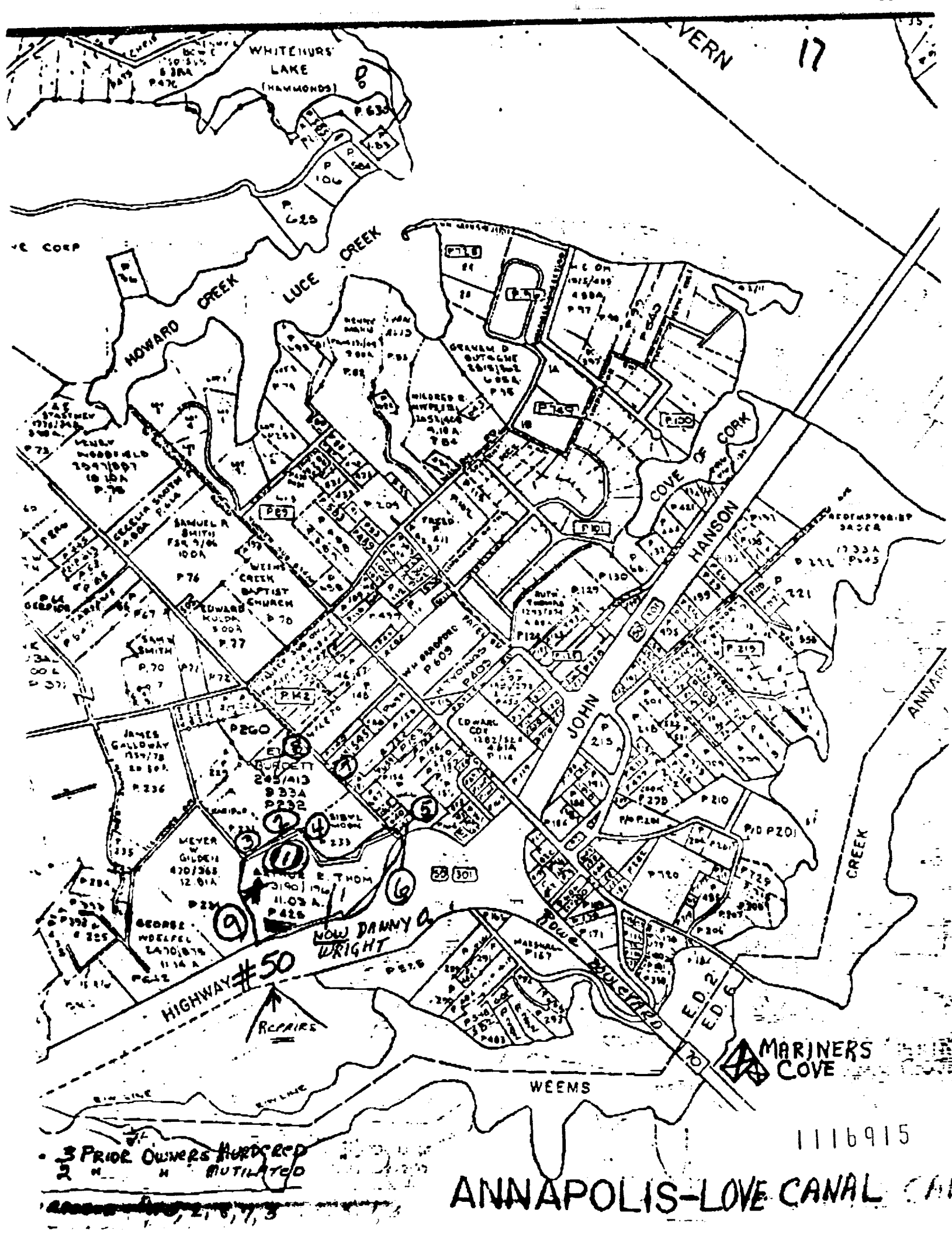
Encl. (list of murders - U.S.A.-1980)

1116912



1116913 LAKE MONTEBELLO


West
Koone
Broad River
Dickerson
Pleasant Hill Church
SR1160
SR1194
US Hwy #108
SR1155
SR1192
Polk County
Therford Co
1116914


17
WHITEHURST LAKE (HAMMONDS)
LUCE CREEK
HOWARD CREEK
COVE OF CORK
HANSON
JOHN
ANNAPOLIS
CREEK
HIGHWAY #50
REPAIRS
NOW DANNY WRIGHT
ROWE BOULEVARD
E.D. 2
E.D. 6
MARINERS COVE
WEEMS
3 PRIOR OWNERS HURT CRD MUTILATED
1116915
ANNAPOLIS-LOVE CANAL

CODE OF THE SECRET SOCIETY OPERATING IN THE U.S.

MASONS:

1. --- must yield private judgment; right or wrong. YOUR VERY VERY EXISTENCE as a --- hangs upon obedience to the powers immediately above you.
2. ---must ALWAYS OBEY all due SIGNS and SUMMONS:
"Whenever you see any of OUR SIGNS made by a BROTHER --, and especially the GRAND HAILING SIGN OF DISTRESS, you must always be sure to OBEY THEM, even at the risk of your own life. If you're on a jury, and the Defendant is a ---, and makes the GRAND HAILING SIGN, you MUST OBEY IT: you must disagree with your brother jurors, if necessary, but you must be very sure not to bring the --- guilty, for that would bring disgrace upon our ORDER. It may be perjury, to be sure, to do this, but then you're fulfilling your obligations.
3. --- must take an oath to keep the secrets of a Brother -- as inviolable as their own". YOU MUST CONCEAL ALL CRIMES of your Brother *** except murder and treason, and these ONLY AT YOUR OWN OPTION, and should you be summoned as a witness against a Brother -- be ALWAYS SURE TO SHIELD him. Prevaricate, don't tell the WHOLE TRUTH in this case, keep his secrets, forget the most important points. It may be perjury to do this, it is true, but you're keeping your obligation.
4. --- are required to take an oath; "BINDING MYSELF UNDER NO LESS A PENALTY THAN HAVING MY THROAT CUT ACROSS and my tongue torn out by its roots"
When a Brother reveals any of our GREAT SECRETS.....you mustalways hold your self in readiness, if called upon, to cut his throat from ear to ear, pull out his tongue by the roots, and bury him or his body at the bottom of some lake or pond. Of course, this must be done in secret, as it was in the case of that notorious man.....for both law and civilation are opposed to such barbarous crimes, but then, you know you must live up to your obligations
5. The COVENANT IR IRREVOCABLE. Even though a --- may be suspended or expelled, though he may withdraw from the LODGE, journey into countries where --- can not be found or become a subject of dypotic governments that persecute, or a communicant of bigoted churches that denounce --- he cannot cast off or nullify his --- Covenant. NO LAW OF THE LAND CAN AFFECT IT. No anathema of Church can weaken it. IT IS IRREVOCABLE.
"The Laws of ---, must be placed above every law". And its Laws and Requirements, must be held as being PARAMOUNT TO, of MORE BINDING FORCE, and THEREFORE MORE TO BE HONORED, RESPECTED, and OBEYED, than all the laws and ordinances of GOD as revealed in the Bible, and ALL THE LAWS AND COVENANTS OF THE REALM, as recorded in the STATUTE BOOKS OF THE NATION."

(The self proclaimed Jew, George Soloksky, in his "WE JEWS" states that one of the Secret Societies is named "SONS OF LIBERTY").

(Members of this Society are operating extensively in the United States Government and the various State Governments, especially within the Government of the State of Maryland, City of Baltimore and the Counties)

(The COURTS OF LAW throughout the State of Maryland, City of Baltimore and the Counties are extensively invaded. A woman has NO PROTECTION IN the COURTS OF THE UNITED STATES - because the code provides that the Member --- may do any thing they please to any woman, except a member of the Brother--- household - wife and daughter).

Proof of the above criminal invasion of the Courts may be found in the public docket records of the Courts.

10 million Americans required corneal treatment for eyes in 1979
9 million Americans visited Ophthalmologists for optical correction 1979
25 Million Americans visited Optometrists in 1979
80 million Americans wear corrective lenses at a cost of as much as Two Billion Dollars in 1979
100,000 Hospital days and more that Twelve Million Dollars for surgical care in 1979
1,670,000 Americans have vision difficulties because of developing cataracts
All the above can be MKULTRA producted by computer terminals
National Eye Institute Report 1979

250,000 Americans suffer from narcolepsey (sleep disorders)
Part of MKULTRA brain invasion ABA Jurimetrics ,(supra)
DHEW (NIH) 79-1637
DHEW (ADM) 76-202 NIMH Behavior Modification

8.5 Million Americans require prescription sleeping medication approximately another $25 million spent on over the counter sleeping medication and aids.
HEW(FDA) 80-3095 "Making it Through the Night"

500,000 Americans have "benign tremor" (physical shaking of the hands arms, trunk, jaw and voice) resulting from MKULTRA damage
DHEW (NIH) 79-1678 Benign Tremor -(Jurimetrics, supra)

500,000 Americans have Parkinson Disease (nurological disorders of brain)
DHEW (NIH) 76-139 Parkinson Disease Hope Through Research

2 Million Americans have Epilepsy (widespread can be caused by MKULTRA)
DHEW (NIH) 77-156 NINCDS Epilepsy Research

10 Million Americans (estimated) suffer from Diabetic diseases
DHEW (NIH) 79-164 The Diabetic Neuropathics. - can be caused by electrical interference with the brain protein distribution and nerve cells.

31 million Americans (and more) suffer from Arthritis of which
250,000 are American children
HHS(FDA) 81-1080 Hocus Pocus as Applied to Arthritis. It has been demonstrated that computerized MKULTRA produces this disease.

20,000 Americans are born with birth defects - may be caused by gene research and MKULTRA induced engrams resulting from measles and
255,500 babies are born each day with birth defects - 2/4/81 per Dr. Johns Hopkins Hospital
"The greates Danger facing the American People today is Computerized games that produce brain and fetal mutilations".

50,000 Americans citizens are living on the use of dialysis kidney machines resulting from MKULTRA interference with their body functions (Exhibit - Md. Dept Radiation - Murder G.D. Holmes

8,000 to 10,000 Americans choke to death each year from MKULTRA impairment with sensory loss and brain damage. Baltimore Sun "JHU Docot

00,000 Americans are used for research for drugs unknown to them
"Efforts Set to Ease Rules for Research on Humans."

PART II - SECTION 2-A PHYSICAL DAMAGE TO THE BODIES OF AMERICANS AND MURDERS BY THE UNITED STATES GOVERNMENT OPERATIONS:

The United States Government's criminal and murder ring's use of MKULTRA technology and surreptitious entry techniques have resulted in the deliberate, willful, intentional, calculated, and operational programmed computerized mutilation and damage to American human bodies and brains and deaths (murders) as follows: (No attempt has been made to include any facts as connected to cancer or the damages done in prior years other than that released for 1980)

850,000 Americans died of heart attacks (1980) Dr. Lamb - Communications result from electrical interference to the brain waves of these

212,500 were the "sudden deaths" admitted to be brain interference

600,000 Americans died of stroke 1980 (NINCDS NIH 79-1618 - stroke is the result of interference with blood circulation and the resulting vein and artery damage caused thereby.

913 Americans murdered by MKULTRA at Jonestown - half of these had received "welfare assistance". "Suicide Cult -Jonestown Last Days".

37million Americans have definable brain sensory brain damage produced by MKULTRA - Exhibits "Mysterious Noises - Health Letter".

7.6 Million Americans have been totally incapicated due to extensive MKULTRA brain damage. NIH - Head Noises -Tinnitus

13.4 Million Americans totally deaf resulting from accoustic neuroma - MKULTRA computerized binary waves, and

11.6 Million Americans have partial hearing loss classified as treatable resulting from MKULTRA computerized and traceable transducers - drugs (atomic properties) DHEW-NIH 73-204 Accoustic Neuroma

15.3 Million Americans wear hearing aids and noise covers - MKULTRA produced DHEW NIH 78-167 Hearing Loss
HHS (FDA) 80-4024 Tuning in on Hearing Aids

9,000 Americans die of brain tumors each year - MKULTRA produced and

150,000 Americans are crippled from the effects of brain tumor DHEW (NIH) 96-504 Brain Tumors

33.9 Million Americans (10 to 15% of the entire population) are mentally ill or emotionally disabled - resulting from MKULTRA - Quote President Jimmy Carter May 16, 1979 - Washington Post

65 Million Americans suffer almost unbearable constant pain resulting from behavior control drug testing and computerized MKULTRA "Science Scores New Victor Over Pain"- NIH-

3,911,000 Americans are legally blind - blindness results from computerized MKULTRA DHEW (PHS) 1613

14,000 Americans have Huntington's disease -neurological disorders resulting in this disease are MKULTRA produced DHEW(NIH) 76-139 Huntingtons Disease or Chorea
ABA Juremetrics Journal - Microwaves - Art Dula

DOE F 1325.7

Exception to SF 14, Approved by NARS, June 1979

1. INSERT ABOVE CLASSIFICATION LEVEL UNCLASSIFIED OR OFFICIAL USE ONLY

2. MESSAGE CONTAINS WEAPON DATA? ("X" appropriate box. Message Center will not transmit message unless one box is marked.) ☐ YES ☒ NO

U.S. DEPARTMENT OF ENERGY
TELECOMMUNICATION MESSAGE
(See reverse side for instructions.)

3. USE WHEN REQUIRED
THIS DOCUMENT CONSISTS OF 7 PAGES
NO. 1 OF 7 COPIES, SERIES ___

4. PRECEDENCE DESIGNATION ("X" appropriate box)

FOR NORMAL USE — ACTION: ☐ Routine ☒ Priority; INFO.: ☐ (6 Hrs.) ☐ (3 Hrs.)
EMERGENCY USE ONLY — ☐ Immediate ☐ FLASH; ☐ (30 Mins.) ☐ (ASAP)

5. TYPE OF MESSAGE ("X" appropriate box)
☒ Single Address
☐ Multiple Address
☐ Title Address
☐ Book Message

FOR COMMUNICATION CENTER USE
MESSAGE IDENTIFICATION
NR 107-1 OTG Z

6. FROM
Nell Hayes, MA-232.1
Forstl. Rm. 1G-051 FTS
Washington, DC 20585 252-5025

7. OFFICIAL BUSINESS Nell Hayes (Signature of authorizing official) TIME 10:35 A.M. P.M.

8. DATE May 2, 1984

9. TO
Wayne Range
Oak Ridge Operations Office
Oak Ridge, TN 37830
FTS 626-0888

COMMUNICATION CENTER ROUTING

PRIORITY

PART II OF II

84 MAY 2 AM 27

000107

BE BRIEF - ELIMINATE UNNECESSARY WORDS

10. ORIGINATOR (On separate lines, enter Name, Routing Symbol & Tel. No.)
Nell Hayes
MA-232.1
FTS 252-6025

11. DERIVATIVELY CLASSIFIED NSI
NATIONAL SECURITY INFORMATION
Unauthorized Disclosure subject to Administrative and Criminal Sanctions.
Derivative Classifier: (Name)
(Title)
Declassify on: (Date or Event/OADR)
Derivatively Classified by: (Guide or Source Document)

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DERIVATIVE CLASSIFIER ___ (Name and Title)

15. INSERT BELOW CLASSIFICATION LEVEL, UNCLASSIFIED, OR OFFICIAL USE ONLY

1169111

2

ALICE KOONE
201A DUBOIS ROAD
ANNAPOLIS, MARYLAND 21401

March 12, 1984

Director
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

Reference: FOIA Request dated January 20, 1984

Dear Sir:

On January 20, 1984, I mailed a Freedom of Information Request which I dated January 24, 1984 to allow for delivery time.

To-date I have had no reply from you. I am wondering if you received my original request. Or if you have not had time to process it and have received it, please inform me. If you did not receive it, if you will so advise me, I can file an additional copy for processing.

Thank you for your cooperation.

Very truly yours,

Alice Koone

Alice Koone

AK:s

1116920

ALICE KOONE 3
201A DUBOIS ROAD, ANNAPOLIS, MD. 21401

JANUARY 20, 1984

Director - Freedom of Information
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

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Includes in this Request are any and all laws that may be applicable under the Public Highways and the so-called Public Safety and Crime Control criminal operation.

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In order to assist you to understand that the information requested is not a National Security or a National Classified excuse, I include the known and already revealed information contained by this Requester from the United States Government and other public information already received as of the result of this Requester's FREEDOM OF INFORMATION REQUESTS:

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I wish to know how much of the Uranium Reported transferred in the above report has been transferred to the use of:

A. The North Carolina State or the Rutherford County Highway Department.

B. The Rutherford County Hospital and Doctor Robert C. Brown formerly of the Oak Ridge Laboratory.

C. The following operations in Rutherford County have been identified as having part of the "radio active" handlers: Elmore Corporation, Spindale, N.C., Polysar, Inc. Forrest City, N.C. and Reeves Brothers, Rutherfordton and Bro. hill Lumber Co. Marion, N.C.
Identify the amount of uranium transferred to each of these operators.

D. It has been revealed that the Rutherford County Community Colleged has been identified as handling "radio active material" - Identify the amount of the above uranium transferred to County Community College.

ARTICLE II

It has been revealed that one of the operators of the real estate assault murder ring of the Johns Hopkins University is located in Annapolis, Md. It has been revealed that persons, have been mutilated as a part of the Johns Hopkins University (FOIA - this Requester and her family -identified as an intended murder victim to take land in Annapolis and North Carolina). It has been revealed that other persons at the intersection of Route #50 and Rowe Boulevard, Annapolis, Md. have been murdered.

A. I wish to know the amount of uranium transferred to the State of Maryland for use in the Roads, Transportation and other Departments for the installation at Route #50 and Rowe Blvd, Annapolis, Md.

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C. I wish to know the amount of the uranium transferred to any other person/persons for use in or near the Route #50 and Rowe Boulevard, Annapolis, Maryland.

D. I wish to know the amount and the persons to whom the uranium was transferred for the area known as Lake Montebello Drive, or the Babe Ruth Stadium, Baltimore, Maryland (33rd and Lake Montebello Dr.).

ARTICLE III

It has been revealed that some of the students at the University of Baltimore attending the school from 1946 through 1951 have been mutilated and murdered, I wish to know the amount of the uranium and the person to whom the uranium was transferred for use against these students at this school. It has been revealed that JHUH was operating against these individuals.

ARTICLE IV

I wish to obtain a copy of all documents, contracts to or from any of the person, States, Counties, Cities, person, partnerships, companies or corporations, including doctors, nurses, hospitals, psychiatric institutions or schools and radio stations, all law enforcement agencies and intelligence agencies or officers as applied to the Requester or the Koone Family in either North Carolina or Maryland or Oklahoma or California and this Agency. To assist you to identify: The requester has lived in Baltimore and Annapolis Maryland and Rutherford County, North Carolina - Streets, Rondo, Sixth, Eights, Halcyon, Rexmere, Dubois, Ash Lane, West St, Loyola Northway, Lake Montebell and associated Fidelity Building and others.

Employers have been identified as Md. Drydock, Fairfield Ship Building Marando, Bendix, Truland, Flow Laboratories, Weinstein, Crane, Korpman, and Feldman.

I wish to obtain a copy of any reference to any information concerning this Requester transferred to or within this Department.

Include in that information any uranium information transferred to the Duke Power Company - North Carolina or other.

To Summarize, I wish to obtain a copy of all documents, research order, and/or reports of research findings, surveillance orders and any other correspondence or material of every nature, kind and description, (including the farce of anyone who may be guilty of fraud, may commit fraud or who may be in the future commit fraud, be a national security risk, violate the post office, commit drug offenses, owe a debt, absconded, violated a bond and etc.). retrievable in a search for files listed under my name (Alice Koone, Alice Koone Gilbert or Mrs. Troy C. Gilbert) or the name of any other person, including aliases or (Troy C. Gilbert) with reference to me. Please advise me, if my name or any of the above names is CONTAINED in any other "SEE Reference" files as well as that so I can make a decision to have any such files searched.

ARTICLE V

If all or any part of my request is denied (keeping in mind that we are dealing with MURDER AND GENOCIDE -with MALICE AND CRIMINAL INTENT- of thousands of citizens of the United States and this State and the State of North Carolina and the known and proven murder of members of the Requester's Family have been "SPECIFICALLY IDENTIFIED and HAVE BEEN ALREADY MURDERED" VICTIMS), please list the specific exemption which is/are being claimed to withhold information. I will expect, as the ACTS provide that you will provide me with the remaining non-exempt portions. I, of course, reserve the right to appeal any decision to withhold information and expect THAT YOU will list the address and offices where such an appeal can be sent. (I have previously stated that this Requester was referred to this Department by the Federal Emergency Management Agency -

ARTICLE VI

In accordance with the requirements of the Freedom of Information Act, the reason for this Request are not only personal as Members of this Requester's family are KNOWN VICTIMS, but thousands of other persons living in the State of Maryland and the State of North Carolina have likewise been victims of uranium radiation and have thus been maimed, the information has been medically documented and thousands and millions have been murdered, mutil-

ated, lost their land and assets to the KNOWN NOW extreme [illegible]

7

and the criminal intent has been established. This information should benefit thousands of Americans who are waiting to see the outcome of this Request. The Requester encloses a list of Americans murdered in 1980 by the USE of the binary waves against them and the instruments thus used for that purpose. - cancer murders are not included in the listing.

ARTICLE VII

AS you know the Amended FOIA and State Laws permit you to reduce or waive search and/or copying fees - as does the code under wich you operate in the States - when release of the required information would be in the public interest. I believe, that this requested information plainly fits that category; and I, therefore, ask that you waive such fees. I list as reasons for this request by incorporating herein the information already listed in all of the Articles of this Request with repeating them herein as my reasons of PUBLIC INTEREST. If this request should for any reason proceed to the processing under the Other Act, however, I expect, as that Act provides that no fees will be charged for locating the required files. The FOIA, also, requires that if any portion of a file is exempt from release, the remainder must be released. I, therefore, request that I be provided with all non-exempt portions which are reasonably segregated or segregable. I, therefore of course, reserve the right to Appeal, the withholding of any deleted or any deletions of any material or information.

I am prepared to pay reasonable costs for locating these files and reproducin them/it. The Amended Act does provide, however, that you may reduce or waive the fees if it is in the public interest because furnishing this information can be considered as primarily benefiting the public. I, therefore, ask you to waive any fees; if you rule otherwise, please inform me of the charges before you fill my request.

ARTICLE VIII

If you have any questions regarding this request, please write to me at the following address:
ALICE KOONE 201A DUBOIS ROAD, ANNAPOLIS, MARYLAND 21401

ARTICLE IX

As provided in the Freedom of Information Act, I will expect to receive a reply within the ten (10) days (working) allowed by law from the date of receipt. This request is dated January 26, 1984 and should be received by you at least by that date.

Respectfully yours,

Alice Koone

Alice Koone
Detroit, Mich 244-16-0614

Encl. (list of murders - U.S.A.-1980)

1116925

no response 2/6/84
1/26/84
no fee waiver

UUU1-FU1

Exception to SF 14 Approved by NARS June 1978

1. INSERT ABOVE, CLASSIFICATION LEVEL, UNCLASSIFIED, OR OFFICIAL USE ONLY

2. MESSAGE CONTAINS WEAPON DATA? ("X" appropriate box. Message Center will not transmit message unless one box is marked.) ☐ YES ☐ NO

U.S. DEPARTMENT OF ENERGY
TELECOMMUNICATION MESSAGE
(See reverse side for instructions.)

3. USE WHEN REQUIRED
THIS DOCUMENT CONSISTS OF 7 PAGES
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	FOR NORMAL USE		EMERGENCY USE ONLY	
ACTION	☐ Routine	☐ Priority	☒ Immediate	☐ FLASH
INFO	☐ (6 Hrs.)	☐ (3 Hrs.)	☐ (30 Mins.)	☐ (ASAP)

5. TYPE OF MESSAGE ("X" appropriate box)
☒ Single Address
☐ Multiple Address
☐ Title Address
☐ Book Message

FOR COMMUNICATION CENTER USE
MESSAGE IDENTIFICATION
NR. —1 DTG: Z

6. FROM
Nell M. S. Hayes
MA 232.1 - FOI/PA

7. OFFICIAL BUSINESS Nell Hayes
(Signature of authorizing official)
(TIME) A.M. P.M.

8. DATE

COMMUNICATION CENTER ROUTING

9. TO
Wayne Range
Oak Ridge Operations Office
FTS. 626-0885

TRANSMIT 84 MAR 22 P 4 00 0978

84 MAR 23

BE BRIEF - ELIMINATE UNNECESSARY WORDS

10. ORIGINATOR (On separate lines, enter Name, Routing Symbol, & Tel. No.)
Nell M. S. Hayes
FOI/PA, MA 232.1
Forrestal
252-6025

11. DERIVATIVELY CLASSIFIED NSI
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Unauthorized Disclosure subject to Administrative and Criminal Sanctions.
Derivative Classifier (Name) ___
(Title) ___
Declassify on (Date or Event/OADR) ___
Derivatively Classified by ___ (Guide or Source Document)

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NATIONAL SECURITY INFORMATION
Unauthorized Disclosure subject to Administrative and Criminal Sanctions.
Originally Classified by (Name) ___
(Title) ___
Declassify on ___ (Date or Event/OADR)

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DERIVATIVE CLASSIFIER ___ (Name and Title)

14. ☐ FORMERLY RESTRICTED DATA
Unauthorized disclosure subject to Administrative and Criminal Sanctions. Handle as Restricted Data in Foreign Dissemination. Section 144.b Atomic Energy Act, 1954.
DERIVATIVE CLASSIFIER ___ (Name and Title)

15. INSERT BELOW, CLASSIFICATION LEVEL, UNCLASSIFIED, OR OFFICIAL USE ONLY

PERSONNEL —1

FOIA

926111

ALICE KOONE
201A DUBOIS ROAD, ANNAPOLIS, MD. 21401

JANUARY 20, 1984

Director - Freedom of Information
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

84 MAR 23 A8:38

Reference: FOIA Request enclosed - dated January 24, 1984

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87-0928

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To Summarize, I wish to obtain a copy of all documents, research order, and/or reports of research findings, surveillance orders and any other correspondence or material of every nature, kind and description, (including the farce of anyone who may be guilty of fraud, may commit fraud or who may be in the future commit fraud, be a national security risk, violate the post office, commit drug offenses, owe a debt, absconded, violated a bond and etc.). retrievable in a search for files listed under my name (Alice Koone, Alice Koone Gilbert or Mrs. Troy C. Gilbert) or the name of any other person, including aliases or (Troy C. Gilbert) with reference to me. Please advise me, if my name or any of the above names is OBTAINED in any other "SEE Reference" files as well as that so I can make a decision to have any such files searched.

ARTICLE V

If all or any part of my request is denied (keeping in mind that we are dealing with MURDER AND GENOCIDE -with MALICE AND CRIMINAL INTENT- of thousands of citizens of the United States and this State and the State of North Carolina and the known and proven murder of members of the Requester's Family have been "SPECIFICALLY IDENTIFIED and HAVE BEEN ALREADY MURDERED" VICTIMS), please list the specific exemption which is/are being claimed to withhold information. I will expect, as the ACTS provide that you will provide me with the remaining non-exempt portions. I, of course, reserve the right to appeal any decision to withhold information and expect THAT YOU will list the address and offices where such an appeal can be sent. (I have previously stated that this Requester was referred to this Department by the Federal Emergency Management Agency -

ARTICLE VI

In accordance with the requirements of the Freedom of Information Act, the reason for this Request are not only personal as Members of this Requester's family are KNOWN VICTIMS, but thousands of other persons living in the State of Maryland and the State of North Carolina have likewise been victims of uranium radiation and have thus been maimed, the information has been medically documented and thousands and millions have been murdered, mutilated, lost their land and assets to the KNOWN NOW EXISTING CRIMINAL RING

and the criminal intent has been established. This information should benefit thousands of Americans who are waiting to see the outcome of this Request. The Requester encloses a list of Americans murdered in 1980 by the USE of the binary waves against them and the instruments thus used for that purpose. - cancer murders are not included in the listing.

ARTICLE VII

AS you know the Amended FOIA and State Laws permit you to reduce or waive search and/or copying fees - as does the code under wich you operate in the States - when release of the required information would be in the public interest. I believe, that this requested information plainly fits that category; and I, therefore, ask that you waive such fees. I list as reasons for this request by incorporating herein the information already listed in all of the Articles of this Request with repeating them herein as my reasons of PUBLIC INTEREST. If this request should for any reason proceed to the processing under the Other Act, however, I expect, as that Act provides that no fees will be charged for locating the required files. The FOIA, also, requires that if any portion of a file is exempt from release, the remainder must be released. I, therefore, request that I be provided with all non-exempt portions which are reasonably segregated or segregable. I, therefore of course, reserve the right to Appeal, the withholding of any deleted or any deletions of any material or information.

I am prepared to pay reasonable costs for locating these files and reproduci them/it. The Amended Act does provide, however, that you may reduce or waive the fees if it is in the public interest because furnishing this information can be considered as primarily benefiting the public. I, therefore, ask you to waive any fees; if you rule otherwise, please inform me of the charges before you fill my request.

ARTICLE VIII

If you have any questions regarding this request, please write to me at the following address:
ALICE KOONE 2014 DUBOIS ROAD, ANNAPOLIS, MARYLAND 21401

ARTICLE IX

As provided in the Freedom of Information Act, I will expect to receive a reply within the ten (10) days (working) allowed by law from the date of receipt. This request is dated January 26, 1984 and should be received by you at least by that date.

Respectfully yours,

Alice Koone

Alice Koone
Detroit, Mich 244-16-0814

Encl. (list of murders - U.S.A.-1980)

MAR 23 A 8:39

1116931

ALICE KOONE
201A DUBOIS ROAD
ANNAPOLIS, MARYLAND 21401

March 12, 1984

Director
United States Department of Energy
1000 Independence Avenue, S.W.
Washington, D.C. 20024

Reference: FOIA Request dated January 20, 1994

Dear Sir:

On January 20, 1984, I mailed a Freedom of Information Request which I dated January 24, 1984 to allow for delivery time.

To-date I have had no reply from you. I am wondering if you received my original request. Or if you have not had time to process it and have received it, please inform me. If you did not receive it, if you will so advise me, I can file an additional copy for processing.

Thank you for your cooperation.

Very truly yours,

Alice Koone

Alice Koone

AK:s

84 MAR 23 A8:29

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