Mary Beth Sweetland  
Research and Investigations  
People for the Ethical Treatment of Animals  
P.O. Box 42516  
Washington DC 20015-0516

Dear Ms. Sweetland:

This responds to your February 17, 1994, Freedom of Information Act (FOIA) request filed with the Office of the Under Secretary of Defense (Acquisition and Technology), referred to the Defense Nuclear Agency and subsequently referred to the Secretary of Defense and received in this Directorate on June 8, 1994.

We have completed our review of the documents responsive to your request which were referred to us by the Armed Forces Radiobiology Research Institute. The documents and a copy of your request are at the enclosure. There are no assessable fees in this instance.

Sincerely,

[Signature]
W. M. McDonald  
Director  
Freedom of Information  
and Security Review

Enclosures:  
As stated

#630
February 17, 1994

Kelly D. Akers
FOIA Program Manager
Office of the Under Secretary of Defense
(Acquisition & Technology)
Defense Technical Information Center
Cameron Station
Alexandria, VA 22304-6145

Dear Ms. Akers:

This request for records is made under the Federal Freedom of Information Act, 5 U.S.C. Sec 552.

People for the Ethical Treatment of Animals makes this request. We are a non-profit organization, based in Washington, D.C., dedicated to educating the public about issues concerning animal rights. People for the Ethical Treatment of Animals may be referred to hereafter as "the requester."

This request is for copies of abstracts of projects in progress that involve the use of dogs, cats, primates, pigs, or birds in experimentation whether the projects are funded by DOD or conducted in DOD facilities with grant monies from other sources. Please include Veterans Administration hospitals in this request.

If any records or documents pertaining to the above request are considered to be exempt from release, please segregate and provide access to non-exempt portions and justify deletions by reference to specific exemptions in the Freedom of Information Act.

The requester is prepared to pay all reasonable search and duplication fees relating to this request up to the amount of fifty dollars ($50.00), but asks that such fees be waived, or at least reduced, pursuant to Sec.552 (a) (4) (iii) of the Freedom of Information Act, which provides that
Documents shall be furnished without any charge or at a charge reduced below the fees established under clause (ii) ["reasonable standard charges"] if disclosure of the information is in the public interest because it is likely to contribute significantly to public understanding of the operations or activities of the government and is not primarily in the commercial interest of the requester.

Requester satisfies the cited fee waiver/reduction provision because disclosure of the requested information would be likely to contribute significantly to public understanding of issues related to the care of animals as required by the U.S. Fish & Wildlife Service, and the requester, a non-profit public interest organization whose federal tax-exempt number is 521218336, has no commercial interest in disclosure of the information requested.

If the waiver or reduction is denied, and fees are expected to exceed fifty dollars ($50.00), kindly notify requester by telephone before this disclosure request is processed, so that the requester may decide whether to pay the disputed fees, or, instead, to appeal the denial of the request for waiver or reduction.

I may be reached during business hours at (301)770-7444. If you have any questions regarding any aspect of this request, please contact me by telephone rather than by mail in order to expedite timely disclosure of the requested information.

Thank you for your assistance. I will look forward to receiving your reply within ten business days.

Sincerely,

Mary Beth Sweetland
Research & Investigations
Effect of Ionizing Radiation on Gastrointestinal Physiology: Emesis and Fluid and Electrolyte Loss

12. SUBJECT AREAS
012900 Physiology; 014100 Radiobiology

18. FUNDING ORGANIZATION
C. In-House

20. PERFORMING ORGANIZATION
Physiology Department

21. GENERAL USE
MILITARY/CIVILIAN APPLICATION:

22. KEYWORDS (Precede EACH with Security Classification Code)
(U) Area Postrema; (U) Performance Decrement; (U) Radiation-induced Diarrhea

23. (U) Exposure to ionizing radiation results in a well defined symptomatology which is related to radiation-induced gastrointestinal dysfunction. Sublethal doses produce nausea, vomiting, gastric stasis, and diarrhea which lead to severe incapacitation of irradiated personnel and decreased efficacy of orally administered medications. Supralethal doses result in the gastrointestinal syndrome characterized by fluid and electrolyte loss and septicemia. This work unit will study the mechanisms underlying radiation effects. The relation of intestinal motility and enteric infection to radiation-induced emesis and new treatments for gastrointestinal dysfunction will be evaluated.

24. (U) Studies will use both in vivo and vitro model systems. A variety of physiological parameters will be measured in irradiated animals and tissue in vitro and compared to non-irradiated controls. Plasma values of putative emetics and gastrointestinal modulators will be correlated with changes in function. Specific antagonists will be assessed for their ability to mitigate radiation effects.

25. (U) Two different 5-HT, receptor antagonists were shown to ameliorate emesis evoked in the ferret by neutron irradiation. Metabolic blockade of the arachidonic acid metabolism was shown to alter contractility of smooth muscle in vitro. A motilin analog stimulated gastric emptying and gastric motility in a dose-dependent manner in the pre-irradiated basal state. Preliminary data in two animals indicated that this agent can reverse radiation-induced gastric stasis while not modifying the emetic response. A total of 2 papers and 5 abstracts were published.
RESEARCH AND TECHNOLOGY WORK UN. SUMMARY

1. AGENCY ACCESSION 2. DATE 3. SUMMARY 4. REPORT CONTROL SYMBOL
931001 03/31/78 DD-DR/ARI 528

5. DATE PREV SUMY 6. KIND OF SUMMARY 7. SECURITY 8. REGRADING
921001 Change U NA

9. DISC'N INSTN 10. LEVEL OF SUM
NL

11. TITLE (Precede with Security Classification Code)
(U) Radiobiology and Sepsis in Preclinical Models

12. SUBJECT AREAS
01400 Radiobiology; 012900 Physiology; 017100 Weapons Effects

13. START DATE 14. ESTIMATED COMPLETION DATE
9110 9609

15. FUNDING ORGANIZATION 16. PERFORMANCE METHOD
DH C. In-House

17. CONTRACT/GRANT 18. RESOURCES ESTIMATE

19. RESPONSIBLE DOD ORGANIZATION

20. PERFORMING ORGANIZATION

21. GENERAL USE

22. KEYWORDS (Precede EACH with Security Classification Code)
(U) Radiation; (U) Therapy; (U) Cytokine; (U) Sepsis

23. TECHNICAL OBJECTIVE

24. APPROACH

25. PROGRESS (Precede text of each with Security Classification Code)

23 (U). To characterize the pathophysiology of radiation-induced bone marrow stem cell aplasia and associated sepsis from opportunistic pathogens and to define therapeutic protocols for inducing recovery of the hemopoietic system and abrogate cellular damage consequent to inflammation and sepsis. Emphasis is also placed on determining the mechanisms involved in diminishing the host response to opportunistic pathogens and identification of areas for therapeutic intervention.

24 (U). Preclinical models utilizing the canine and the non-human primate have been established for cobalt-60 and mixed neutron-gamma radiation in addition to a canine model of hyperdynamic gram negative/positive intraperitoneal sepsis. A chronic tracheostomy in the sepsis models allows for analysis of systemic and a septic episode. Sublethal and lethally irradiated animals are treated with recombinant growth factors/cytokines to enhance recovery of the hemopoietic system and prevent sepsis-associated lethality.

25 (U). Primary emphasis has been placed on developing therapeutic protocols for correcting radiation-induced marrow aplasia. Protocols have utilized single cytokines in comparison to combinations of these cytokines in an attempt to promote recovery of both neutrophils and platelets in marrow aplastic non-human. Single cytokines that were most efficacious in reducing neutropenia were GM-CSF and G-CSF, these cytokine effective in reducing thrombocytopenia were IL-6 and IL-3. The best combinations were IL-3 co-administered with GM-CSF for producing both neutrophils and platelets. While IL-3 and IL-6 administered sequentially was as effective in producing platelets only.
RESEARCH AND TECHNOLOGY WORK UNIT SUMMARY

DATE PREV SUMMARY: 921001
D. Change: U
SUMMARY: ML
E. SUMMARY BCY: U
F. WORK SECURITY: NA
G. REGADING: ML
H. DISGN INSTRM: N/A
I. LEVEL OF SUM: N/A
J. WORK UNIT: N/A

NO. CODES:

A. PRIMARY: 6271SH
B. CONTRIBUTING: AD
C. CONTRIBUTING: RA

TASK AREA NUMBER: 00178
WORK UNIT NUMBER: 00178

TITLE (Provide with Security Classification Code)
(U) Radiation effects on complex task performance

SUBJECT AREAS
01400 Radiobiology; 013400 Psychology; 016800 Toxicology; 012600 Pharmacology

START DATE: 8810
ESTIMATED COMPLETION DATE: 9509
FUNDING ORGANIZATION: DH
PERFORMANCE METHOD: C. In-house

CONTRACT/GRANT:
DATE EFFECTIVE: EXPIRATION

NAME: Armed Forces Radiobiology Research Institute
ADDRESS: Bethesda, MD 20889-5603

A. NAME: Behavioral Sciences Department Armed Forces Radiobiology Research Institute
ADDRESS: Bethesda, MD 20889-5603

NAME OF RESPONSIBLE INDIVIDUAL:
BURGAR, R.L

NAME OF PRINCIPAL INVESTIGATOR:
MELE, Paul C.

TELEPHONE NUMBER (包括 area code):
(301) 295-1600

NAME OF ASSOCIATE INVESTIGATOR (IF Available):
McBRIDE, Sharon A.

GENERAL USE:

MILITARY/CIVILIAN APPLICATION:

KEYWORDS (Provide EACH with Security Classification Code)
(U) Complex Behavior; (U) Performance; (U) Antiemetic Drugs; (U) Radioprotectants

TECHNICAL OBJECTIVE

(U) Objective: Establish animal models for evaluating effects of ionizing radiation on complex behavioral tasks. Establish the role of behavioral, biological, and radiobiological factors that affect these performance decrements. Evaluate the effects of radioprotectant and antiemetic drugs on performance, and determine their ability to counteract performance decrements produced by radiation.

(U) Approach: Animals are trained to perform complex behavioral tasks. Dose-effect curves for disruption of performance by radiation, radioprotectants and antiemetics are determined. Radioprotectants and antiemetics are tested for efficacy in blocking radiation-induced performance decrements. Manipulations of behavioral and biological factors are performed to determine their relative contributions to radiation-induced performance decrements.

(U) Progress: Repeated low-doses of gamma radiation cause progressive deteriorations in cognitive performance. Acute sublethal doses of ionizing radiation increase behavioral disruptions induced by the central nervous stimulant amphetamine. 5-HT3-antagonist antiemetic drugs do not prevent postirradiation anorexia, nor do they prevent chemotherapy-induced behavioral toxicity. The glucocorticoid dexamethasone prevented chemotherapy-induced behavioral toxicity. 5-HT3 antagonists are not behaviorally toxic when administered alone, but they exacerbate the behavioral toxicity of metoclopamide, a widely used antiemetic drug. Behavioral toxicity caused by several other drugs (the anticonvulsant and anxiolytic chlordiazepoxide, the stimulant caffeine, and the motion sickness drugs scopalamine and buspirone) was only minimally increased by 5-HT3-antagonist antiemetic drugs. Strong environmental stimulus control can attenuate performance decrements caused by the sedative pentobarbital, the stimulant amphetamine, the anaesthetic ketamine, and the antiemetic 8-OH-DPAT.
23. (U) Measure the size of the Hematopoietic Stem Cell (HSC) population in mice and monkeys to either prove or disprove that all mammals have the same total number of HSC and to determine how radiation affects the HSC population.

24. (U) If a female is heterozygous for a genetic locus (A or B) located on the X-chromosome and one X-chromosome is randomly inactivated, then most cell compartments, including the HSC compartment, are mosaics composed of either A or B cells. Using this system, the total number of HSC can be determined by the binomial formula \( n = \frac{pq}{s^2} \) where \( p \) is the fraction of "A" HSC, \( q \) is the fraction "B" HSC, \( s^2 \) is the variance of \( p \), and \( n \) is the total number of HSC.

25 (U) Mice were given whole body irradiation to total doses of 3, 4, 5, 6, and 7 Gy. The number of hematopoietic stem cells surviving these radiation doses was calculated using the corrected equation \( n = \frac{pq}{(s^2 \text{ post-irradiation} - s^2 \text{ pre-irradiation})} \). To date the number of stem cell surviving 3 Gy irradiation was found to be 333 cells; 4 Gy, 33 cells; 5 Gy, not yet determined; 6 Gy, 5 cells; and 7 Gy, 4 cells. This preliminary data might suggest that stem cells surviving high dose radiation are part of an unique stem cell sub-population characterized by a rather large Do.
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RESEARCH AND TECHNOLOGY WORK UNIT SUMMARY

1. AGENCY ACCESSION NUMBER 931001
2. SUMMARY DATE 931001
3. KIND OF SUMMARY Change
4. SECURITY CEIY U
5. WORK SECURITY NA
6. M. REGRADING U
7. Issuing INSTRM NL
8. LEVEL OF SUM J
9. A. WORK UNIT 00082
10. NO. CODES PROGRAM ELEMENT 62715R
    PROJECT NUMBER U99Q0ASM
    TASK AREA NUMBER J
    WORK UNIT NUMBER 00082
11. TITLE (precede with security classification code) (U) Radiobiology and Sepsis in Preclinical Models
12. SUBJECT AREAS
    01400 Radiobiology; 012900 Physiology; 017100 Weapons Effects
13. START DATE 9110
    14. ESTIMATED COMPLETION DATE 9609
15. FUNDING ORGANIZATION DH
    16. PERFORMANCE METHOD C. In-House
17. CONTRACT/GRANT
    a. DATE EFFECTIVE
    b. EXPIRATION
    c. CONTRACT/GRANT NUMBER
    d. AMOUNT
    e. TYPE
    f. KIND OF AWARD
    g. CUM/TOTAL
18. RESPONSIBLE DOD ORGANIZATION
    a. NAME Armed Forces Radiobiology Research Institute
    b. ADDRESS 8901 Wisconsin Avenue.
        Bethesda, MD 20889-5603
19. RESPONSIBLE INDIVIDUAL
    a. NAME Experimental Hematology Department
        Armed Forces Radiobiology Research Institute
    b. ADDRESS 8901 Wisconsin Avenue.
        Bethesda, MD 20889-5603
    c. NAME OF RESPONSIBLE INDIVIDUAL Robert L. Bumgarner
    d. TELEPHONE NUMBER 301-295-1210
20. GENERAL USE
    a. NAME OF ASSOCIATE INVESTIGATOR
        Faese, A.M., Vigneulle, R.M.
    b. NAME OF ASSOCIATE INVESTIGATOR
21. KEYWORDS (precede EACH with security classification code) (U) Radiation; (U) Therapy; (U) Cytokine; (U) Sepsis
22. TECHNICAL OBJECTIVE
    23. APPROACH
    24. PROGRESS
23. (U) To characterize the pathophysiology of radiation-induced bone marrow stem cell aplasia and associated sepsis from opportunistic pathogens and to define therapeutic protocols for inducing recovery of the hematopoietic system and abrogate cellular damage consequent to inflammation and sepsis. Emphasis is also placed on determining the mechanisms involved in diminishing the host response to opportunistic pathogens and identification of areas for therapeutic intervention.

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(U) Radiation effects on complex task performance

(U) Complex Behavior; (U) Performance; (U) Antiemetic Drugs; (U) Radioprotectants

23. (U) Objective: Establish animal models for evaluating effects of ionizing radiation on complex behavioral tasks. Establish the role of behavioral, biological and radiobiological factors that affect these performance decrements. Evaluate the effects of radioprotectant and antiemetic drugs on performance, and determine their ability to counteract performance decrements produced by radiation.

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25. (U) Progress: Repeated low-doses of gamma radiation cause progressive deteriorations in cognitive performance. Acute sublethal doses of ionizing radiation increase behavioral disruptions induced by the central nervous stimulant amphetamine. 5-HT3-antagonist antiemetic drugs do not prevent postirradiation anorexia, nor do they prevent chemotherapy-induced behavioral toxicity. The glucocorticoid dexamethasone prevented chemotherapy-induced behavioral toxicity. 5-HT3 antagonists are not behaviorally toxic when administered alone, but they exacerbate the behavioral toxicity of metoclopramide, a widely used antiemetic drug. Behavioral toxicity caused by several other drugs (the anticonvulsant and anxiolytic clonazepam, the stimulant caffeine, and the motion sickness drugs scopolamine and buspirone) was only minimally increased by 5-HT3-antagonist antiemetic drugs. Strong environmental stimulus control can attenuate performance decrements caused by the sedative pentobarbital, the stimulant amphetamine, the anaesthetic ketamine, and the antiemetic 8-OH-DPAT.
(U) Hematopoietic Stem Cell Population Size in Various Species

(U) 12900 Physiology 01400 Radiobiology 0017100 Weapon Species

13. START DATE
14. ESTIMATED COMPLETION DATE
9/11/90
9/10/91

15. FUNDING ORGANIZATION

16. PERCENTANCE METHOD

17. CONTRACT/GRANT

18. RESOURCES ESTIMATE

19. RESPONSIBLE OD ORGANIZATION

20. PERFORMING ORGANIZATION

21. GENERAL USE

22. KEYWORDS (Precede EACH with Security Classification Code)
(U) Hematopoietic Stem Cell (U) Risk Assessment (U) Biological Dosimetry

23. TECHNICAL OBJECTIVE
24. APPROACH
25. PROGRESS (Precede text of each with Security Classification Code)

23. (U) Measure the size of the Hematopoietic Stem Cell (HSC) population in mice and monkeys to either prove or disprove that all mammals have the same total number of HSC and to determine how radiation affects the HSC population.

24. (U) If a female is heterozygous for a genetic locus (A or B) located on the X-chromosome and one X-chromosome is randomly inactivated, then most cell compartments, including the HSC compartment, are mosaic composed of either A or B cells. Using this system, the total number of HSC can be determined by the binomial formula n = p^2 / (1 - p) where p is the fraction of "A" HSC, q is the fraction "B" HSC, s is the variance of p, and n is the total number of HSC.

25 (U) Mice were given whole body irradiation to total doses of 3, 4, 5, 6, and 7 Gy. The number of hematopoietic stem cells surviving these radiation doses was calculated using the corrected equation n = p^2 / (s^2_post-irradiation - s^2_pre-irradiation). To date the number of stem cell surviving 3 Gy irradiation was found to be 333 cells; 4 Gy, 33 cells; 5 Gy, not yet determined; 6 Gy, 5 cells; and 7 Gy, 4 cells. This preliminary data might suggest that stem cells surviving high dose radiation are part of an unique stem cell sub-population characterized by a rather large D_0.
THE WHITE HOUSE
WASHINGTON

May 18, 1975

MEMORANDUM FOR

THE SECRETARY OF DEFENSE

SUBJECT: The Rescue of the SS Mayaguez and its Crew

In the aftermath of the operation to rescue the SS Mayaguez and its crew, I consider it essential that we evaluate, as a means of insuring the most effective possible performance in future crises, the manner in which this operation was planned and conducted.

In order to facilitate this evaluation, I would like to receive, on a priority basis, the following:

(a) A detailed and comprehensive chronological exposition of events and activities from the time of the seizure of the SS Mayaguez through the completion of the evacuation of Marines from Koh Tang Island, focussed on the activities of your Department.

(b) A copy of each order, verbal or written, which was issued directing military plans and operations, from the time of the basic planning decisions made at the National Security Council meeting at 10:30 p.m. on May 13 through the evacuation from Koh Tang Island. Included should be all orders from you to the Chairman, Joint Chiefs of Staff, from the Joint Chiefs of Staff to the Commander, Pacific Command, and from that Commander to subordinate commanders in the field.

(c) Any observations or suggestions which you consider would contribute to improvement in the ability of the National Security Council machinery to deal effectively with crisis situations.
This evaluation should be conducted on a very close hold basis. The material in (b) above should be submitted by noon, Tuesday, May 20, and the remainder by close of business Friday, May 23. I have requested similar submissions from the Secretary of State, the Director of Central Intelligence, and the Assistant to the President for National Security Affairs.
ITEM 5  IP = X ZERO NINE DEGREES TWENTY MINUTES NORTH
        ONE ZERO THREE DEGREES THREE EIGHT MINUTES
        EAST.
        09 = 20N  103 = 38E

ITEM 6  TGT = ONE ZERO DEGREES THREE ZERO MINUTES ONE
        NINE SECONDS NORTH ONE ZERO THREE DEGREES
        THREE SEVEN MINUTES ZERO TWO SECONDS EAST:
        10:30:19N  103:37:02E

ITEM 7  BOMB RUN AXIS = THREE SIX ZERO DEGREES
        360 DEGREES

ITEM 8  TIME ON TGT = ONE FIVE/ZERO ONE THREE/ ZERO ZULU
        = 15/0130Z MAY 75

ITEM 9  BOMBING ALT = HIGH ALTITUDE AS DETERMINED BY
        THIRD AIR DIVISION.

ITEM 10 TYPE RELEASE = SYNCHRONOUS

ITEM 11 TRAIN LENGTH = TWO TWO ZERO ZERO FEET
        = 2200

ITEM 12 AFTER RELEASE = HOLD HDG ONE FIVE (15 SEC) LEFT
        TURN TO WITHDRAWAL HDG TWO ZERO
        SIX DEGREES (266 DEGREES); DIRECT
        ONE ZERO DEGREES ZERO ZERO NORTH
        ONE ZERO THREE DEGREES TWO ZERO
        MINUTES EAST
        = 10=02N  103=20E

PART THREE

ITEM 1  TGT NUMBER TWO = REAM AIRFIELD

ITEM 2  BE NUMBER = ZERO SEVEN THREE NINE = ZERO EIGHT
        SIX SIX SIX
        = 7739 = 08666

ITEM 3  COMMON POINT = ZERO EIGHT DEGREES ZERO ZERO MINUTES
        NORTH ONE ZERO FOUR DEGREES ZERO ZERO
        MINUTES EAST
        = 08=20N  104=00E

ITEM 4  PIP = ZERO NINE DEGREES TWO TWO MINUTES NORTH ONE
        ZERO THREE DEGREES ZERO ZERO MINUTES EAST
        = 09=22N  103=00E

ITEM 5  IP = ZERO NINE DEGREES FIVE EIGHT MINUTES NORTH
        ONE ZERO TWO DEGREES THREE FIVE MINUTES EAST
        = 09=58N  102=35E

ITEM 6  TGT = ONE ZERO SECONDS NORTH ONE ZERO THREE DEGREES
        THREE EIGHT MINUTES TWO TWO SECONDS EAST

PAGE 2
ITEM 7 BOMB RUN AXIS = ZERO SIX ZERO DEGREES
- 10°34′40″N 103°36′24″E

ITEM 8 TIME ON TARGET = ONE FIVE ZERO ONE FOUR FIVE ZULU
= 15/01452Z MAY 1975

ITEM 9 BOMBING ALTITUDE = HIGH ALTITUDE AS DETERMINED BY
THIRD AIR DIVISION

ITEM 10 TYPE RELEASE = SYNCHRONOUS

ITEM 11 TRAIN LENGTH = TWO ZERO ZERO ZERO FEET
= 20001

ITEM 12 AFTER RELEASE = HOLD HDG ONE FIVE (15) SEC RIGHT
TURN WITHDRAWAL HDG ONE SIX ZERO DEGREES (16° DEGREES) DIRECT ONE ZERO DEGREES ZERO THREE DEGREES FIVE ONE MINUTES NORTH
ONE ZERO THREE DEGREES FIVE ONE MINUTES EAST
= 10°38′59″N 103°51′E

PART FOUR
ITEM 1 TGT NUMBER THREE = KOMPONG SOM HARBOR
ITEM 2 3E NUMBER = ZERO SEVEN THREE NINE = ZERO NINE EIGHT
= 0739′50″08″

ITEM 3 COMMON POINT = ZERO EIGHT DEGREES ZERO ZERO MINUTES
NORTH ONE ZERO FOUR DEGREES ZERO ZERO MINUTES EAST
= 08°20′ 124°00″E

ITEM 4 PIP = ZERO NINE DEGREES TWO TWO MINUTES NORTH ONE ZERO THREE DEGREES ZERO MINUTES EAST
= 09°22′ 123°22″E

ITEM 5 IP = ONE ZERO DEGREES ONE EIGHT MINUTES NORTH ONE ZERO TWO DEGREES ONE NINE MINUTES EAST
= 10°18′N 122°19″E

ITEM 6 TGT = ONE ZERO DEGREES THREE EIGHT MINUTES THREE FIVE SECONDS NORTH ONE ZERO THREE DEGREES THREE ZERO MINUTES TWO SIX SECONDS EAST
= 10°38′35″N 103°30′26″E

ITEM 7 BOMB RUN AXIS = ZERO SEVEN FOUR DEGREES
= 274 DEGREES

ITEM 8 TIME ON TARGET = ONE FIVE ZERO ONE ZERO ZULU
= 15/0200Z MAY 75

ITEM 9 TIME ON TARGET = ONE FIVE ZERO TWO ONE FIVE ZULU

PAGE 3
ITEM 9  BOMBING ALTITUDE=HIGH ALTITUDE AS DETERMINED BY THIRD AIR DIVISION

#8609

ANNOTES

STAMP THIS MSG SPECAT-EXCLUSIVE
DISTR ONE CY BY NAME IN A SEALED ENV TO GEN JONES, GEN PAULY, LTG SITTON, VADM TRAIN, MGEN SIMMONS, RADM WELANDER, LTG HUYSER, BG WHITE, AND COL ATKINSON; J 3.
HARD COPY DELIVERY TO VADM TRAIN AND COL ATKINSON
NMCC FOR DDD
NUMBER COPIES
WMB CCJ