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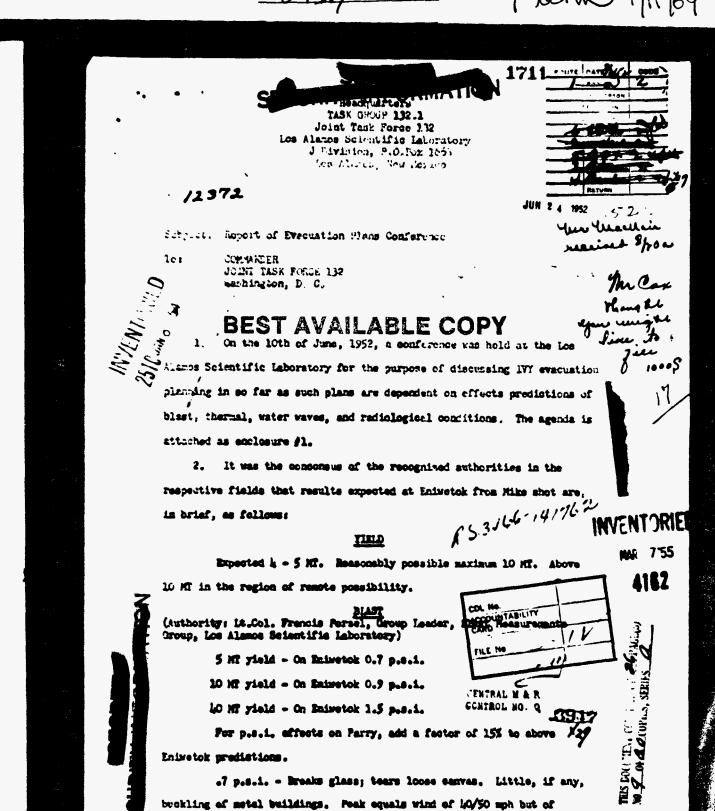
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momentary duration comparable to a short gust. For detailed ealeulation:

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will recommendations for specific equipment protection, see Annex "A".

Conclusion: Structural damage on Parry and Eniwetok very minor Take nuch measures as are reasonably easy to take - labor wise, time wise, and small expense.

THERMAI. (Aut' crity: Lt.Col. Francis Porzel - representing the Thermal Group of Ina Alamos Scientific Interntory)

5 MT - 10 MT will produce 1 caloric per cm2, (it takes about 8 releases per em? to char wood). For detailed thermal effects, see innex · rA+

Conclusion: No procautionary measures are required on Parry and inimetok. Will not damage motor vehicle tires. No effect on vapors coming :uu of gasoline storage tanks;

WATER WAVE EFFECTS (Authority: Dr. Roger Revelle, Scripps Institution of Oceanography)

Engobi	100 ft. wa
Rojoa	50 ft. wa
funit	30 ft. wa
Japtan	17 ft. ve
Parry	17 ft. wa
Eniwetok	16 ft. wa

Broakers will be twice size; not dangerous at Eniwetck, Parry, or Japonn. Amount of yield above 5 MT has no effect as size of wave is limited by depth of lagoon. After three or four waves, size falls off rapicly. Engebi will be covered by a wash. None of Enimetok, Parry, or 'apten will be covered by wash-

Small toats hauled up on 9 ft, high beach are safe; however, a roce practical solution presented was that of anchoring the craft in deep water not less than 50 feet without any other special precautions.

Conclusion: There is no expected danger ashore from wave action on Entretok, Parry, or Japtum. No danger is anticipated to anchored fm-1) graft except possible anchor drag.

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(Authority: Con in der harvol A. Laynard, inidge mars, The Loc)

Maximum experted on Universely mathematics with worse probably the condition is delayed directly constitution that occurs are a the last of the island to be he after 10 news or such the condition of the island.

Rad-safety limits of exposure are: Any error life time to all Total allowable one time desage for NY is 3r excepted going only with special provision for pilots of sampling aircraft of 20r mecomod going only. A one time desage of 25r is currently used in civil defense concepts of operations but is not applicable at a general guide in NY unless as an accident. However, no one is emported to be empreed to radiation rates approaching hr/hour. If such levels as these should be experienced on the islands of Enimetok and Parry, a level of hr/hour after 10 hours does not actually decay very rapidly according to calculations for such delayed fall out. However, from actual field experience, it has been found that weathering (i.e., wind, rain showers, etc.) of such fall out on the ground reduces the levels by more than 50% in one day or according to tables:

10 hours - 4 r 20 hours - 2 r 40 hours - 1 r 80 hours - .5 r

Little is to be gained by covering large regular objects since which the reentry can be attempted for persons, levels of rediction on the equipment will in general be low. However, where equipment open to airborne contamination is complex, such as radio consoles or power control banks or notor generators, fall out contamination can be materially reduced.

SNL from collecting in such insocessible spots by some covering. Hoods, whom closed, or vehicle engines should suffice to reduce oily, greasy surfaces

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from allegging and holding contamination flow all other expression of account was accounted to a so instantificant land. Took in solution to considered made from continuousless. In , we found that we are not some continuousless and an expension of the continuousless and the continuousless and the continuousless and after after work, and this should be belanced against come of manpower and storied in prevenue to concentration.

Salvage canvas, there available, should be used to cover equipment which has inaccessible spots (perhaps only or greaty spots) which are likely to collect airborns fall out and which will be difficult to decontaminate. It may be necessary to produce additional material for covering, should insufficient salvage material be available.

GENERAL

With regard to blast, thermal, full out hazards, such neusures as are relatively easy to take, labor-wise, time-wise, and inexpensive, should be taken. With the exception of special equipment such as electronics gear, the hazard does not warrant a great amount of labor, time, or expense for the protection of structures, construction equipment, vehicles, and so forth.

Dr. Graves expressed his opinion that the island can be reentered without hazard in 2 - 6 days after Mike shot.

Dr. Draves concurred in the above conclusions. Arms other qualified scientific personnel present who offered no objection to the conclusions as they pertained to their respective scientific fields were:

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ur. Fergen Stydum, Dr. Fred Reinau, Fr. George Marks, and Dr. Was thiggen of the Los Clanca Scientific Laboratory, re well as Prof J. S. Diaz of the University of Muryland, institution of Fluid Symmacs.

IC/PIE/by

DUNCAN CURRY, JR Chief of French

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