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 By CH NARA Date 7/21/06

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SECRET IVI

OPERATIONAL PRIORITY

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 COORDINATE WITH: USAF
 DOE NSI DECLASSIFICATION REVIEW E.O. 12958
 BY: G. Chapman DOE/ISO-223

From: Commander in Chief Army Forces Pacific Advance
 Yokohama Japan

To : Commander in Chief Army Forces Pacific
 Administration Manila Philippines

Nr : CAX 51948 14 September 1945

From GHQ CINCAPPAC Adv to WARCOS info 313th Bomb
 Wing Tinian pass to Ashworth cite CAX 51948, N8N pls pass
 the info.

Message for Groves from Farrel.

We finished preliminary inspection of Nagasaki to-
 day. In many ways the effects of the explosion there are
 more spectacular and startling than Hiroshima. One gets
 the impression of a much greater power of the blast. The
 destruction of heavy industrial buildings, gas storage
 tanks, and many reinforced concrete structures within a
 2000-foot radius indicate the greater power. The destruction
 of the huge steel works by blast and fire and the destruction
 of the torpedo works by blast alone gives outstanding proof
 of the enormous amount of blast energy released. In all
 cases the steel frames and buildings are pushed away from
 the point of detonation. The larger distance of destruction
 of worker houses indicates a blast energy about twice that
 at Hiroshima. The rugged terrain including steep hills and
 deep ravines provided much shielding but the blast turned
 and followed the ravines so that the damage extended in a
 greater or lesser degree to the entire city. The blow was
 struck in an area largely industrial and left a large part
 of the residential area more or less standing.

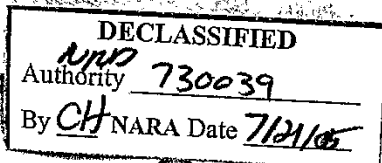
Because of the fact Nagasaki is still alive and

CM-IN-12071 (15 Sep 45)

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Copy No. 10 to Col. Fisher 9/17 jad

G. Jones
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functioning while Hiroshima is flat and dead.

Point of burst was determined from directional effects of charging on telephone poles. Approximate position is 1000 feet northeast of center of stadium. Japanese state burst was at 500 meters. All distances hereafter given from point on ground below our estimated point of burst. Preliminary survey of blast shows radius of complete demolition of Japanese worker homes 8000 feet. Roofs collapsed, walls smashed but partly standing for all workers homes up to two miles radius except in special cases where local topography gave exceptional shielding. Some roof damage to tiles of heavy type observed up to three miles. Plaster and glass damage to much greater distances. Many excellent examples of thin brick walled structures, thick brick walls concrete, and reinforced concrete structures have been found and are being studied. Nine inch reinforced concrete walls destroyed to 2000 feet. Brick smokestacks displaced, cracked, and overturned up to 4000 feet. A prison was demolished at a distance of 1000 feet. Its walls were of eight inch concrete. Northern Ordnance factory, distance 4000 feet, was stripped of corrugated iron walls and roof, window sash were pushed out, and framework destroyed and overturned.

These structures were of light type of steel frame construction. South factory similarly destroyed, but in addition was covered by fire. Fire damage is heavy in region from prefectural office in south of northern Ordnance

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factory. Length of burned area three miles, width 6000 feet in northern part of city. Hills north, east and west of this scorched by radiant heat at distance of 7000 feet.

The Japanese official report that any one who entered the blast area from outside after the explosion has become sick.

Warren and Nolan have not yet arrived from Hiroshima due to bad weather and poor transportation. Warren's party coming by water have not yet reached Nagasaki. A Naval doctor on board the hospital ship Haven has taken samples of dirt, wood and metal from all over the blast area and has made a check for radio activity. No evidence was disclosed of any radioactivity in the materials collected. Report will be sent to you as soon as Warren can make a detailed check.

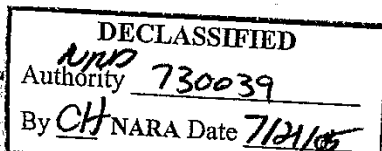
The Japanese report no destruction to shipping in the harbor except minor damage to superstructures including broken glass. At time of explosion there were about 100 ships and small boats in the harbor of which 1/3 were over 100 tons in size. No destructive wave was produced. There was no crater under the point of burst and no fusing of the ground. Japanese officials state that the reported crater near the harbor area was the result of earlier bombings in July.

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The following is a brief summary of the Japanese official report on the explosion. At a radius of one kilometer all were killed, those outside by burning, those inside by falling timber and burning. Between one kilo and two kilos radius almost all persons were killed by either concussion or heat. All buildings were knocked down and burned. Between two kilos and four kilos about half were killed and about half wounded by burning or missiles. Nearly all buildings were destroyed. Between four kilos and eight kilos about half wounded and half remained uninjured. About half buildings destroyed. Between eight kilos and fifteen kilos few were wounded. Glass was broken and tiles loosened.

Areas behind hills were protected. Casualties rptd are dead 19,743, missing 1,927, wounded 40,993. Houses blasted and burned 11,494, houses blasted not burned 2,652, houses half burned 150, and houses half blasted 5,291. At least 50,000 houses which includes practically every home in Nagasaki had at least minor damage such as broken glass. 10 large factories were destroyed. 19 schools and colleges were destroyed. One prison completely destroyed and burned. At least 15 other major bldgs were destroyed and great damage done to telephone, telegraph, public water supply, railways and ships of all kinds. Detailed rpts of the explosion by Japanese officials give a story quite close to what we would expect from our knowledge of the operation. The population of Nagasaki at the time of the blast is reported at approximately 280,000. Wounded are now dying at the

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rate of 20 per day. The Japanese report a considerable number have died up to September 1st who did not seem to be wounded originally.

I will bring you further details on Hiroshima and Nagasaki.

I expect to return to the States by air as soon as I can get transportation. Kirkpatrick will return to the States in a few days.

End.

Note : This message received by AGWAR as retransmission from CINCPAC Admin under DTG 141845Z.

ACTION: Gen Groves

INFO : Gen Arnold; Gen Hull; Gen Bissell; C of S

CM-IN-12071 (15 Sep 45) DTG 141203Z

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