

~~SECRET~~

E108

DRAFT

UNITED STATES OF AMERICA

PHASE I DATA

PERTAINING TO THE
MEMORANDUM OF UNDERSTANDING
BETWEEN THE GOVERNMENT OF THE UNION OF SOVIET SOCIALIST
REPUBLICS AND THE GOVERNMENT OF THE UNITED STATES OF AMERICA
REGARDING THE BILATERAL VERIFICATION
EXPERIMENT AND DATA EXCHANGE RELATED TO
PROHIBITION OF CHEMICAL WEAPONS
SIGNED 23 SEPTEMBER 1989

ALL DATA CURRENT AS OF Whenever handed over

~~CLASSIFIED SECRET - RELEASABLE TO THE USSR~~

DRAFT

~~SECRET~~

Edition X

59040153, 01D304, 2

1. Aggregate quantity of chemical weapons: (b)(1)
(b)(1) */**/***

2. The specific types of chemicals:

- a. GB "SARIN"
- b. VX
- c. H/HD/HT "MUSTARD"
- d. L "LEWISITE"
- e. DF "BINARY COMPONENT"
- f. QL "BINARY COMPONENT"
- g. OPA "Non-critical Binary component"

3. The percentage of each of its declared chemicals in munitions, devices, and storage containers:

a.	GB, "SARIN"	(b)(1)	% munitions and devices % bulk
b.	VX	(b)(1)	% munitions and devices % bulk
c.	H/HD/HT, "MUSTARD"	(b)(1)	% munitions and devices % bulk
d.	L, "LEWISITE"	(b)(1)	Less Than % munitions and devices (b)(1) (b)(1) % bulk
e.	DF, "GB BINARY COMPONENT"	(b)(1)	Less Than % munitions and devices (b)(1) (b)(1) % bulk
f.	QL, "VX BINARY COMPONENT"***	(b)(1)	% munitions and devices Less than % bulk (b)(1)
g.	Isopropyl Alcohol**** "OPA"	(b)(1)	% munitions and devices % bulk

* Does not include RDT&E (b)(1) LBS)
 ** GB Equivalent, X DF=GB
 *** VX Equivalent, X QL=VX
 **** Isopropyl Alcohol (non-critical binary component)

(b)(1)

4. The precise location of each chemical weapon storage facility:

a. Anniston Army Depot (Anniston, Alabama):

33 Deg 40' 38" N Latitude
85 Deg 57' 10" W Longitude

b. Edgewood Area (Edgewood, Maryland):

- (1) Building E2620: 39 Deg 23' 52" N Latitude
76 Deg 16' 07" W Longitude
- (2) Chemical Agent Storage yard: 39 Deg 23' 52" N Latitude
76 Deg 16' 18" W Longitude
- (3) "N" Field Storage Area: 39 Deg 21' 21" N Latitude
76 Deg 17' 10" W Longitude
- (3) Chemical Transfer Facility: 39 Deg 22' 58" N Latitude
76 Deg 16' 54" W Longitude

c. Lexington-Blue Grass Army Depot (Richmond, Kentucky):

38 Deg 05' XX" N Latitude
84 Deg 30' XX" W Longitude

d. Pine Bluff Arsenal (Pine Bluff, Arkansas):

34 Deg 20' 33" N Latitude
92 Deg 07' 09" W Longitude

e. Tooele Army Depot (Tooele, Utah):

40 Deg 18' 46" N Latitude
112 Deg 22' 00" W Longitude

f. Johnston Atoll:

16 Deg 44' XX" N Latitude
169 Deg 31' XX" W Longitude

g. Umatilla Depot Activity (Hermiston, Oregon):

45 Deg 51' 15" N Latitude
119 Deg 25' 45" W Longitude

h. Newport Army Ammunition Plant (Newport, Indiana):

39 Deg 51' 29" N Latitude
87 Deg 25' 30" W Longitude

i. Pueblo Depot Activity (Pueblo, Colorado):

38 Deg 20' 46" N Latitude
104 Deg 18' 43" W Longitude

Precise location of single purpose chemical weapon related equipment and devices:

a. Hawthorne Army Ammunition Plant (Hawthorne, California):
XX Deg YY' ZZ" N Latitude
XX Deg YY' ZZ" W Longitude

((Aero 1B Spray Tanks))

b. Marine Corps Air Station (Yuma, Arizona):
XX Deg YY' ZZ" N Latitude
XX Deg YY' ZZ" W Longitude

((Mobile Filling Equipment))

c. Marine Corps Air Station (Cherry Point, North Carolina):
XX Deg YY' ZZ" N Latitude
XX Deg YY' ZZ" W Longitude

((Mobile Filling Equipment))

d. Louisiana Army Ammunition Plant (Minden, LA):
XX Deg YY' ZZ" N Latitude
XX Deg YY' ZZ" W Longitude

(b)(1) 155mm Artillery Shells w/ OPA fill awaiting pallets for transport to Tooele))

5. Percentage of aggregate, common agent name, and type of munition and device at each storage location.

<u>Location of Facility</u>	<u>Types of Agent</u>	<u>Percent of Total</u>	<u>Types of Munitions/Devises</u>
a. Anniston AD: (b)(1)	(b)(1)		
b. Edgewood Area: (b)(1)			
c. Lexington-Blue Grass AD: (b)(1)			
d. Pine Bluff Arsenal: (b)(1)			
e. Tooele AD: (b)(1)			
f. Johnston Atoll: (b)(1)			
g. Umatilla ADA: (b)(1)			
h. Newport AAP: (b)(1)			
i. Pueblo ADA: (b)(1)			
j. Other: (b)(1)			

~~SECRET~~

6. The precise location of each of its chemical weapons production facilities and the common name of the chemical agent produced there.

a. Pine Bluff Arsenal (Pine Bluff, Arkansas):

DF Production Facility:

34 Deg 20' 51" N Latitude
92 Deg 06' 22" W Longitude

Former BZ production facility - Dismantled:

34 Deg 21' 27" N Latitude
92 Deg 05' 04" W Longitude

b. Newport Army Ammunition Plant (Newport, Indiana):

Former VX Production Facility - Closed:

39 Deg 51' 16" N Latitude
87 Deg 25' 44" W Longitude

d. Phosphate Development Works (Muscle Shoals, Alabama):

Former DC production facility:

34 Deg 46' 00" N Latitude
87 Deg 38' 00" W Longitude

e. Rocky Mountain Arsenal (Denver, Colorado):

Former GB production facility - Closed:

39 Deg 49' ZZ" N Latitude
104 Deg 50' ZZ" W Longitude

Former H filling facility - Dismantled:

39 Deg 49' ZZ" N Latitude
104 Deg 50' ZZ" W Longitude

f. Edgewood Area (Edgewood, Maryland):

GB Pilot plant

XX Deg YY' ZZ" Latitude
YY Deg YY' ZZ" Longitude

g. Northrup Caroline (Ashville, North Carolina):

Former BZ production facility - government contractor

34 Deg YY' ZZ" N Latitude
82 Deg YY' ZZ" W Longitude

Facility has been refurbished and no longer contains equipment used to produce BZ.

h. Millmaster-Onyx (Berkley Heights, New Jersey):

Former BZ production facility - government contractor

XX Deg YY' ZZ" N Latitude
XX DEG YY' ZZ" W Longitude

Facility was destroyed and leveled, equipment used in BZ production was destroyed.

~~SECRET~~

7. Precise location of each chemical weapons destruction facilities or vicinity of planned chemical weapons destruction facilities.

a. Anniston Army Depot (Anniston Alabama):

33 Deg 40' 55" N Latitude
85 Deg 58' 42" W Longitude

b. Edgewood Area (Edgewood, Maryland):

39 Deg 23' 48" N Latitude
76 Deg 16' 13" W Longitude

c. Lexington-Blue Grass Army Depot (Richmond, Kentucky):

37 Deg 43' 00" N Latitude
84 Deg 12' 32" W Longitude

d. Pine Bluff Arsenal (Pine Bluff, Arkansas):

34 Deg 21' 30" N Latitude
92 Deg 05' 06" W Longitude

e. Tooele Army Depot (Tooele, Utah):

40 Deg 18' 20" N Latitude
112 Deg 20' 50" W Longitude

f. Johnston Atoll:

16 Deg 44' XX" N Latitude
169 Deg 31' XX" W Longitude

g. Umatilla Depot Activity (Hermiston, Oregon):

45 Deg 50' 57" N Latitude
119 Deg 24' 40" W Longitude

h. Newport Army Ammunition Plant (Newport, Indiana):

39 Deg 50' 38" N Latitude
87 Deg 25' 19" W Longitude

i. Pueblo Depot Activity (Pueblo, Colorado):

38 Deg 18' 38" N Latitude
104 Deg 18' 59" W Longitude

8. Other items.

a. Recovered items with unidentified agent type and/or weight.

<u>Site/Item</u>	<u>Number of Items</u>	<u>Estimated Agent Weight</u>	
(1) <u>Dugway:</u>			
Cartridge, 4.2"	(b)(1)		
Cartridge, 105mm			
Projectile, 155 mm			
Bomb, Gas			
Hemisphere, GB 1/2 bomblet			
Bomb, Gas, Cluster, GB			
Projector, Levins			
Glass Bottles, HD			
(2) <u>Edgewood Arsenal:</u>			
Mortar, 4.2" explosive			
Mortar, 4.2" non-explosive			
155mm projectile			
175mm projectile			
Bomb, 100 lb			
Bomb, 500 lb			
Bomblet, M125			
BZ munitions			
Canister, M1A1			
Levins, Projector, explosive			
Levins, Projector, non-explosive			
Munition, Foreign, 75mm			
M-56 Warhead			
105mm projectile, explosive			
105mm projectile, non-explosive			
75mm projectile, explosive			
75mm projectile, non-explosive			
4" Stokes			
BZ, M138 Bomblet			
BZ, M6 Canister			
BZ, M7 Canister			
BZ, BLU50 Canister			
BZ, Grenades, mini			
BZ, Grenades, M6, w/o fuze			
BZ, M6 canister from M44 Cluster			
EA3834, M16 Canister			
EA3834, XM693 Submunitions			
(3) <u>Johnston Atoll:</u>			
55 Gallon Concrete Encased Drum			
Gas Set, Toxic			
Gas, I.D. Set			

<u>Site/Item</u>	<u>Number of Items</u>	<u>Estimated Agent Weight</u>
(4) <u>Pine Bluff Arsenal:</u> Mortar, 3" Stokes Cartridge, 4.2" Mortar Cartridge, 75mm Cartridge, 105mm Livens Projector, 220mm Projectile, 155mm Bomb, Chemical Bomblet Halves German Tractor, H filled Rocket German Tractor Warhead War Gas I.D. Sets, Components Chemical Agent Bottles, HS War Gas I.D. Sets	(b)(1)	
(5) <u>Pueblo:</u> DOT Bottle		
(6) <u>Tooele:</u> Projectile 8", VX Rocket Warhead GB 1X Components to I.D. Set Bomb, 750 lb, GB		
(7) <u>Anniston Army Depot:</u> Projectile, 4.2", (HD)		

b. Total estimated weight: XX,XXX mtons.

b. Research, Development, Test, and Evaluation (RDT&E)
Quantities greater than 1 mton:

(1) Edgewood Arsenal

(a)	H	3,178 LBS	(1,444.5 kg)
(b)	NV	7,778 LBS	(3,535.5 kg)