

EXHIBIT 7

In Re: Los Alamos National Laboratory
NPDES Permit No. NM0030759

Table of Established Explosives at Technical Area 16 Nominal Compositions

NAME OR CODE	COMPOSITION
AI/ANFO	Ammonium nitrate/fuel oil//aluminum powder
AN	Ammonium nitrate
ANFO	Ammonium nitrate/fuel oil
Baratol	75 wt% Barium nitrate/25 wt% TNT
BDNPA	Bis(dinitropropyl) acetal
BDNPF	Bis(dinitropropyl) formal
Black powder	74 wt% Potassium nitrate/15.6 wt% charcoal/10.4 wt% sulfur
Boracitol	60 wt% Boric acid/40 wt% TNT
BTX	5,7-Dinitro-1-picrylbenzotriazole
Composition A-3	91 wt% RDX/9 wt% beeswax
Composition A-4	97 wt% RDX/3 wt% beeswax
Composition A-5	98.5 wt% RDX/1.5 wt% beeswax
Composition B & B-3	60 wt% RDX/40 wt% TNT
Composition C-3	88 wt% RDX/12 wt% wax
Composition C-4	91 wt% RDX/2.1 wt% polyisobutylene/1.6 wt% motor oil/ 5.3 wt% di(2-ethylhexyl) sebacate
Cyclotol, 75/25	75 wt% RDX/25 wt% TNT
Cyclotol, 70/30	70 wt% RDX/30 wt% TNT
DATB	Diaminotrinitrobenzene
DBA-1 (a)	AN/NaNO ₃ /TNT/H ₂ O/thickener
Detasheet C	63 wt% PETN/8 wt% NC/29 wt% elastomeric binder
Detasheet D	75 wt% PETN/25 wt% elastomeric binder
DINGU	Dinitroglycoluril
DNPA	2,2-Dinitropropyl acrylate polymer
DNT	Dinitrotoluene
EDC-8	76 wt% PETN/24 wt% Silicone rubber, MS 2420
EDC-28	94 wt% RDX/6 wt% FPC 461
EDC-32	85 wt% HMX/15 wt % Viton A
EDC-37	91 wt% HMX/1 wt% nitrocellulose/8 wt% K-10 liquid
EDC-38	94.5 wt% HMX/3.5 wt% K-10 Liquid/2 wt% Polyurethane
HBX-1	40 wt% RDX/38 wt% TNT/17 wt% Al/5 wt% Wax/ 0.5 wt% CaCl ₂
High Energy Propellants ^h	Solid propellants generally used in missile systems
HMX	Cyclotetramethylenetetranitramine
HNS	Hexanitrostilbene
K-10i (i)	65.3 wt% dinitroethylbenzene/34.7 wt% trinitroethylbenzene
LX-04	85 wt% HMX/15 wt% Viton A
LX-07	90 wt% HMX/10 wt% Viton A
LX-14	95.5 wt% HMX/4.5 wt % Estane 5703
LX-17-0	92.5 wt% TATB (dry-aminated)/7.5wt% KEL-F 800
LX-17-1	92.5 wt% TATB (wet-aminated)/7.5wt% KEL-F 800
Methane/oxygen (i)	Explosive mixtures of methane and oxygen gases
NC	Nitrocellulose, cellulose nitrate
Nitromethane	Nitromethane
Nitroplasticizer (NP)	50 wt% BDNPA / 50 wt% BDNPF Mixture

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Excerpt from WT-5 Safe Operating Procedure 1.1.0

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NAME OR CODE	COMPOSITION
NQ	Nitroguanidine
NTO	1,2,4-nitro-triazole-5-one
Octol	75 wt% HMX/25 wt% TNT
PBX-9001	90 wt% RDX/8.5 wt% polystyrene/1.5 wt% dioctylphthalate
PBX-9007	90 wt% RDX/9.1 wt% polystyrene/0.5 wt% dioctylphthalate/ 0.4 wt % resin
PBX-9010	90 wt% RDX/10 wt% Kel-F 3700 elastomer
PBX-9011	90 wt% HMX/10 wt% Estane 5703 F-1
PBX-9205	92 wt% RDX/6 wt% polystyrene/2 wt% dioctylphthalate
PBX-9206	92 wt% HMX/8 wt% Kel-F 3700 elastomer
PBX-9401	94.2 wt% RDX/3.6 wt% polystyrene/2.2 wt% trioctyl phosphate
PBX-9404	94 wt% HMX/3 wt% nitrocellulose/3 wt% chloroethyl phosphate
PBX-9405	94 wt% RDX/3 wt% nitrocellulose/3 wt% chloroethyl phosphate
PBX-9407	94 wt% RDX/6 wt% Exon 461
PBX-9501	95 wt% HMX/2.5 wt% Estane/2.5 wt% BDNPA/F
PBX-9502	95 wt% TATB/5 wt% Kel-F 800
PBX-9503	80 wt% TATB (Class 2)/15 wt% HMX (Class 2)/5 wt% Kel-F 800
PBXN-110 (formerly PBXW-113)	88 wt% HMX/12 wt% rubber/plasticizer binder
Pentolite	50 wt% PETN/50 wt% TNT
PETN	Pentraerythritol tetranitrate
Picric Acid	DuPont 85 wt% pure
PYX	2,6-Bis(picrylamino)-3,5-dinitropyridine
RDX	Cylonite, cyclotrimethylenetrinitramine
Smokeless Powder (Single Base)	Standard Military grades. Single or multi-perforated grains of colloided nitrocellulose. Stabilizers, plasticizers, inorganic nitrates, and other modifying agents may also be present.
Smokeless Powder (Double Base)	Standard Military grades. Single or multi-perforated grains of colloided nitrocellulose containing nitroglycerin or nitroglycol. Stabilizers, plasticizers, inorganic nitrates, and other modifying agents may also be present.
STRATABLAST C (a)	Slurry blasting explosive
TAGN (i)	Triaminoguanidine nitrate
TAL-1005E (a)	Slurry blasting explosive
TATB	Triaminotrinitrobenzene
Tetryl	2,4,6-Trinitrophenylmethylnitramine
TNS	Trinitrostilbene
TNT	Trinitrotoluene
TNT/NC	80 wt% TNT/20 wt% NC
TPM	Tripicrylamine
Tritonal	80 wt% TNT/20 wt% aluminum powder
XIX-8003	80 wt% Recrystallized PETN/20 wt% Sylgard 182

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XTX-8004	80 wt% RDX/20 wt% Sylgard 182

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