

US EPA ARCHIVE DOCUMENT

Hazardous Substances Stored For More Than One Year, Released, or Disposed at Sunflower Army Ammunition Plant

AREA	HISTORICAL HAZARDOUS SUBSTANCE STORAGE	DATE	REMEDIAL
Acid Production SAAP-007 SAAP-008 SAAP-009 SAAP-012 SAAP-067 SAAP-107 SAAP-108 SAAP-109	MANUFACTURING PRODUCTS – Nitric Acid Oleum Sulfuric Acid ESSENTIAL/ UTILIZED MATERIALS/ WASTE – Acid Catalyst Ammonium Nitrate Anhydrous Ammonia Asbestos Boiler Ash Boiler Water Treatment Chemicals Calcium Hydroxide Calcium Oxide Calcium Sulfate Sludge CFCs Cooling Tower Chemicals (including Chromic Acid) Corrosive Nitroguanidine/ Guanidine Nitrate Waste Water Corrosive Waste Water Cutting Oil & Metal Turnings Fluorescent light tubes Laboratory Chemicals Lead Liquefied Petroleum Gas (LPG) Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent, Stoddard Solvent, LIX E-1, Freon 11, Mineral Spirits, Lacquer Thinner, TCE, Perchloroethylene) Mercury Nitric Acid Oleum Paints (oil and water based, lead paint, litharge, thinners, strippers, depainting debris) Pesticide/ Herbicides Platinum POL (Petroleum Oils and Lubricants) Soda Ash Sodium Hydroxide Solid and Hazardous Waste Spent Sulfuric Acid Sulfur Treated Lumber –Creosol, Pentachlorophenol Vanadium Pentoxide	1943- 1998	Investigation ongoing

AREA	HISTORICAL HAZARDOUS SUBSTANCE STORAGE	DATE	REMEDIAL
Calcium Carbide Treatment SAAP-028	WASTE MANAGEMENT - Acetylene Calcium Carbide Reacted Calcium Carbide - Lime	1984-1992 Closed 10/1993	RCRA Clean Closed
Chemical Prep. SAAP-024 SAAP-057	ESSENTIAL/ UTILIZED MATERIALS/ WASTE – 2-Nitrodiphenylamine Candelilla Wax Carbon Black Diethylphthalate Ethyl Centralite Lead 2-Ethyl Hexoate Potassium Sulfate	1943-1971	Investigation ongoing
Combined Shops & Auto Garage SAAP-038 SAAP-052 SAAP-058	ESSENTIAL/ UTILIZED MATERIALS/ WASTE – Asbestos Batteries Beryllium Boiler Water Treatment Chemicals CFCs Oil Water Separator Sludge Equipment Preservatives (P-19...) Ethylene Glycol Lead Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchloroethylene) Mercury Natural Gas Oil Debris- Oil Rags- Oil Sludge- Oil Filters- Paint & Paint Related Waste & Sandblasting Debris Paints (oil and water based- lead paint- litharge-thinners- strippers- depainting debris) Pentachlorophenol Polychlorinated Biphenyl (PCB) Propane Solid and Hazardous Waste Tar Treated Lumber –Creosol, Pentachlorophenol POL (Petroleum Oils and Lubricants) Pesticide/ Herbicides	1943-2001	Investigation ongoing SAAP-052 Investigation Complete, Clean Closed

<p>Contaminated Waste Processor, SAAP-031</p> <p>Decontamination Oven, SAAP-046</p> <p>Flash House, Contaminated Materials Burning Grounds SAAP-021</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Fuel Oil NC – NG – NQ – Propellant Contaminated Waste Toxic Ash Corrosive Toxic Ash Asbestos Lead POL (Petroleum Treated Oils and Lubricants) Treated Lumber –Creosol, Pentachlorophenol</p>	<p>1943-2001</p>	<p>Investigation ongoing</p> <p>SAAP-021 Investigation and Feasibility Study Complete</p>
<p>Explosive Waste Incinerator</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Guanidine Nitrate Nitroguanidine (NQ) POL (Petroleum Oils and Lubricants) Waste Slurry</p>	<p>1978-1986</p> <p>Closed 12/1986</p>	<p>RCRA Clean Closure</p>
<p>F-Line Production</p> <p>SAAP-010 SAAP-011 SAAP-106</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Rough Extruded Grains</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE</p> <p>Asbestos Beryllium Fluorescent Lights Lead Mercury Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchloroethylene) POL (Petroleum, Oils, and Lubricants) Blender Paste & Propellant Bearing Waste Water Scrap Propellant 2-Nitrodiphenylamine Aluminum (Alcoa 101) Basic Cupric Salicylate Candelilla Wax Carbon Black Cellulose Acetate Diethylphthalate Lead 2-Ethyl Hexoate Lead Beta Resorcylate Lead Salicylate Nitrocellulose (NC) Nitroglycerin (NG) Triacetin</p>	<p>1943-1971</p>	<p>Investigation ongoing</p> <p>SAAP-010 & 011 soil cleanup complete</p>

	Treated Lumber –Creosol, Pentachlorophenol Pesticide/ Herbicides		
Hazardous Waste Storage Magazines SAAP-015 SAAP-016	<p>Waste Storage -</p> <ul style="list-style-type: none"> 1-1-1 Trichloroethane Acetic Acid Acetone Acid Catalyst Acid Production corrosive incinerator ash Activated Carbon Amine Mixture (Overkote) Ammonium Hydroxide Ammonium Nitrate Ammonium Peroxydisulfate Antimony Metal Powder Aropol Resin Auto Garage battery acid wastes Beryllium Nitrate Blasting Caps Boiler Ash Bromine lab waste Calcium Carbide Calcium Chloride Brine Calcium Cyanimide Calcium Sulfate Sludge Carburetor Cleaning Solvent Chem-Dip Cold Parts Cleaning Solvent Chlordane Chloroform Lab Waste Chromate Brine Solution Sludge Chromate Waste CMBG ASH/RESIDUE COD Vials Concrete Cure (Naphtha Solvent) Conquor 3585 Corrosion Inhibitor Cortex VCI-237 Cresylic Acid Cutting Oil & Metal Turnings CWP APCS Ash Dibutyamine Diesel Fuel Diethyl Phthalate Ethyl Lactate/Butyl Acetate Solvent Ethylene Glycol Explosive Waste Burning Grounds Explosive Waste Incinerator (EWI) Ash Fluorescent light tubes Formaldehyde Fuel oil Gasoline POL (Petroleum, Oils, and Lubricants) GN GN & floor sweepings Hazardous Waste Misc. Corrosive Hazardous Waste Misc. Ignitable Hazardous Waste Misc. Reactive Hazardous Waste Misc. Toxic Heptachlor 	1980-2001 Closed 12/02	RCRA Clean Closure of Permitted Storage Magazines. Investigation ongoing of soil outside of SAAP-015 & 016

	<p> Hydrochloric Acid Hydrozo Concrete Sealer Lab Pack Aerosols Laboratory Explosive Waste (NQ GN Formaldehyde) Lacquer Thinner Lacquer Thinner and Paint Laundry building wastewater containing TCE Lead Oxide Lead Paint Chips waste lead residues Lead Stearate Leaded Grease Litharge Lix E-1 LOP Solvent Magnesium Perchlorate Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent, Stoddard Solvent, LIX E-1, 2 AA Chem-dip, Freon 11, Mineral Spirits, Lacquer Thinner, TCE, Perchloroethylene) Mercury Contaminated waste Methylene Chloride/Cresylic Acid/ Ortho-Di- Chlorobenzene Methylene Chloride/Monochlorotoluene/Cresylic Acid/ Xylene Mobil Tac 375 Grease N-5 Propellant and NC NG Paste Nickel-Cadmium Batteries Nitric Acid & Nitric Acid Sludge Nitrocellulose Nitroguanidine OIL Debris, Oil Rags, Oil Sludge, Oil Filters P-19 Grease (Stoddard Solvent) Paint & Paint Related Waste & Sandblasting Debris Pentachlorophenol Perchloroethylene (TCE) Perchloric Acid Petroleum Naphtha Solvent Phosphoric Acid Phosphoric Anhydride Phosphorus Pentoxide Photographic Lab film processing wastes Picric Acid Potassium Hydroxide Potassium Hydroxide Potassium Nitrate Roofing Tar Silver Generated by Recovery Units Sodium Hydroxide Spent GAC Squibs Sulfamic Acid Sulfuric & Chromic Acid Mixture Toxic ignitable Floor Dry (Garage) Toxic SAR Incinerator Ash Trichloroethylene/ Perchloroethylene/ Mineral </p>		
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	<p>Spirits Cooling Tower Chemical</p>		
<p>Hospital</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Asbestos</p> <p>Medical Waste</p> <p>Paints (oil and water based- lead paint- litharge- thinners- strippers- depainting debris)</p> <p>Pesticide/ Herbicides</p> <p>Silver (X-Rays)</p> <p>Treated Lumber –Creosol- Pentachlorophenol</p>	<p>1943-2001</p>	<p>No contamination suspected</p>
<p>Industrial Waste Water Treatment Lagoons</p> <p>SAAP-019 SAAP-020 SAAP-029</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Acid Coal Pile Runoff</p> <p>Coal</p> <p>Coal Fines</p> <p>Sodium Hydroxide</p> <p>Sulfuric Acid</p>	<p>1978-1993</p> <p>Closed 10/93</p>	<p>SAAP-029 RCRA Clean Closed</p>
<p>Laundry</p> <p>SAAP-059</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Asbestos</p> <p>Boiler Water Treatment Chemicals</p> <p>Paints (oil and water based- lead paint- litharge- thinners- strippers- depainting debris)</p> <p>Perchloroethylene</p> <p>Pesticide Herbicide</p> <p>POL (Petroleum Treated Oils and Lubricants)</p>	<p>1943-1971</p>	<p>Investigation ongoing</p>

<p>NC Production</p> <p>SAAP-004 SAAP-005 SAAP-006 SAAP-025 SAAP-116</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Nitrocellulose</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Nitric Acid Sulfuric Acid Waste Water (corrosive explosive) Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethylene) POL (Petroleum Oils and Lubricants) Paints (oil and water based, lead paint, litharge, thinners, strippers, depainting debris) Treated Lumber –Creosol, Pentachlorophenol Pesticide/ Herbicides</p>	<p>1943-1971</p>	<p>Investigation ongoing</p>
<p>New Explosive Waste Burning Grounds</p> <p>SAAP-023</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Guanidine Nitrate N-5 Propellant Nitrocellulose Nitroguanidine POL (Petroleum Oils and Lubricants) NG Slums</p>	<p>1978-2000</p> <p>Closed 12/00</p>	<p>RCRA Clean Closed</p>
<p>NG Production</p> <p>SAAP-024 SAAP-035</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Nitroglycerin</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Chromate Brine Glycerin Nitric Acid Nitroglycerin mixed acid Soda Ash Sulfuric Acid Beryllium Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethylene)</p> <p>POL (Petroleum Oils and Lubricants) Treated Lumber –Creosol, Pentachlorophenol NG Waste Water NG Slums Pesticide/ Herbicides Asbestos</p>	<p>1943-1971</p>	<p>Investigation ongoing</p> <p>SAAP-035 soil cleanup complete</p>

<p>Nitroguanidine Production</p> <p>SAAP-040 SAAP-041 SAAP-043 SAAP-044 SAAP-045 SAAP-047 SAAP-117</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Calcium Carbonate Calcium Cyanamide Guanidine Nitrate Nitrogen Nitroguanidine Sulfuric Acid</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Ammonium Nitrate Anhydrous Ammonia Calcium Carbide Calcium Fluoride Calcium Sulfate Sludge Carbon Dioxide CFCs Cooling Tower Chemicals Fluorescent Lights Formaldehyde Explosive Laboratory Waste Laboratory Chemicals Laboratory Sump Waste Lime Maintenance Cleaning and Degreasing Solvents - Low Odor Paraffin Solvent Stoddard Solvent LIX E-1 Solvent 2 AA Chem-dip Freon 11 Mineral Spirits Lacquer Thinner TCE Perchloroethylene Nitric Acid NQ Waste Water Oleum Paint Material and Wastes - oil and water based lead paint litharge thinners strippers depainting debris) Petroleum Oils and Lubricants Sodium Hydroxide Sulfuric Acid POL (Petroleum Oils and Lubricants)</p> <p>Paints (oil and water based, lead paint, litharge, thinners, strippers, depainting debris) Pesticide/ Herbicides</p>	<p>1978-1992</p>	<p>Investigation ongoing</p> <p>SAAP-041 capped & in post closure monitoring</p>
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<p>N-Line Production</p> <p>SAAP-036</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Finished Propellant</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Diacetone Alcohol Ethyl Cellosolve Ethyl Lactate Methyl Cellosolve Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethylene) POL (Petroleum Oils and Lubricants) Treated Lumber –Creosol, Pentachlorophenol Asbestos Mercury Lead Beryllium Asbestos Pesticide/ Herbicides</p>	<p>1943- 1971</p>	<p>Investigation ongoing</p>
<p>Paste Production</p> <p>SAAP-024 SAAP-033 SAAP-034</p>	<p>MANUFACTURING PRODUCTS –</p> <p>Double Based Paste</p> <p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>2-Nitrodiphenylamine Candelilla Wax Diethylphthalate Lead 2-Ethyl Hexoate Nitrocellulose Nitroglycerin Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethylene) POL (Petroleum Oils and Lubricants) Treated Lumber –Creosol, Pentachlorophenol Paste (NC, NG, Lead)Waste Water and Soild Waste Mercury Lead Asbestos Beryllium Pesticide/ Herbicides</p>	<p>1943- 1971</p>	<p>Investigation ongoing</p> <p>SAAP-033 & 034 soil cleanup complete</p> <p>SAAP-034 clean closed</p>

<p>Office and Administrative</p> <p>SAAP-055</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Treated Lumber –Creosol- Pentachlorophenol Paints (oil and water based- lead paint- litharge- thinners- strippers- depainting debris) Asbestos</p>	<p>1943-2002</p>	<p>Investigation ongoing</p>
<p>PCB Storage</p> <p>SAAP-062</p>	<p>WASTE MANAGEMENT -</p> <p>Capacitors Electrical Transformers PCB PCB Oil PCB Solvent including Kerosene and Hexane PCB Spill Cleanup Debris Petroleum Distillate Pesticide/ Herbicides</p>	<p>1978-2001</p> <p>Closed 12/02</p>	<p>TSCA Clean Closed</p>
<p>Pesticide Handling and Distribution</p> <p>SAAP-030</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Aldrin Chlordane Dieldrin Heptachlor 2-4-D Baygon Diazinon Dibrom Malathion Pyrthrin Sevin Termicide 2-4-D/2 4-5-T 2-4-5-T Dowpon Hyvar XL Kroval Maintain 3 Maintain CF125 Ureabor Bromocil Eton A-C Raze Vector Roundup</p>	<p>1943-2001</p>	<p>Investigation ongoing</p>

<p>Potable Water/ Sewage Treatment</p> <p>SAAP-002 SAAP-003</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Aluminum Sulfate Chlorine Lime Sulfuric Acid Zeolite Softeners POL (Petroleum Oils and Lubricants) Paints (oil and water based, lead paint, litharge, Thinners, strippers, depainting debris)</p> <p>Treated Lumber –Creosol, Pentachlorophenol Mercury Asbestos Pesticide/ Herbicides</p>	<p>1943- 2002</p>	<p>Investigation ongoing</p>
<p>Power Distribution/ Electrical Stations</p> <p>SAAP-102</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Transformer/ Capacitor Oil PCB</p>	<p>1943- 2001</p>	<p>TSCA Clean Closed</p>
<p>Power Houses</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Ash sluice Boiler Water Treatment Chemicals Coal Fuel Oil No. 2 Fuel Oil No. 6 Natural Gas Sulfuric Acid Waste Water (corrosive coal pile runoff) Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethlyene) Lumber –Creosol, Pentachlorophenol POL (Petroleum Oils and Lubricants) Paints (oil and water based, lead paint, litharge, thinners, strippers, depainting debris) Mercury Asbestos Pesticide/ Herbicides</p>	<p>1943- 1998</p>	<p>No contamination suspected</p>
<p>Product Storage Magazines</p> <p>SAAP-015 SAAP-016 SAAP-110</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Asbestos Paints (oil and water based- lead paint- litharge- thinners- strippers- depainting debris) Pentachlorophenol Pesticides/ Herbicides Treated Lumber –Creosol</p>	<p>1943- 2001</p>	<p>Investigation ongoing</p>

<p>Quality Assurance - Chemical Labs and Testing Facilities</p> <p>SAAP-014 SAAP-105 SAAP-115</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE</p> <p>Explosive Waste Freon Hydrochloric Acid Hydrofluoric Acid Lab Reagents Lab Waste Mercury NC NG Nitric Acid NQ Product Propellants – Intermediates – Essential Materials Sulfuric Acid Lead Asbestos Pesticide/ Herbicides</p>	<p>1943-2001</p>	<p>Investigation ongoing</p>
<p>SAC Evaporative Lagoons</p> <p>SAAP-027</p>	<p>WASTE MANAGEMENT –</p> <p>Calcium Sulfate Sludge Lime NQ–GN-Corrosive Waste Water Sulfuric Acid</p>	<p>1980-1998</p>	<p>Soil cleanup complete, LTM of groundwater</p>
<p>SAR Evaporative Lagoons</p> <p>SAAP-013</p>	<p>WASTE MANAGEMENT –</p> <p>Calcium Sulfate Sludge Lime NQ–GN-Corrosive Waste Water Sulfuric Acid</p>	<p>1980-1998</p>	<p>Soil cleanup complete, LTM of groundwater</p>
<p>Solvent Recovery</p> <p>SAAP-065</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <p>Acetone (Dimethyl Ketone) Butyl Acetate DPA Ethyl Alcohol Ethyl Lactate - Butyl Acetate Asbestos Mercury Paints (oil and water based, lead paint, litharge, thinners, strippers, depainting debris) POL (Petroleum Oils and Lubricants) Maintenance Cleaning and Degreasing Solvents (Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethyene) Pesticide/ Herbicides</p>	<p>1943-1971</p>	<p>Investigation ongoing</p>

<p>Solvent Single Base, Double Base, and Triple Base Propellant Production</p> <p>SAAP-017 SAAP-026 SAAP-111 SAAP-112</p>	<p>MANUFACTURING PRODUCTS –</p> <p>1897A1 1916 1917 M2 M3 7/8" OD Stick Propellant for 4.5 Rocket FNH M1-155mm How FNH M1-75mm Gun FNS M1-90mm Gun M1 w/shell M71 w/Fuze M43A3 FNS M2 or M5 - 36mm Gun M3 Gimlet 2.00" Navy Pocket Propellant (Experimental) Hercules 3950 for .30 Cal. Carbine IMR 4895 Cal. .30 Ball AP Tracers IMR 4903 Cal. .50 Incendiary Incendiary M1 2/chg M4A1 M1897 M5 & M6 M71 NH M1-155mm Gun M1 NH M1-155mm Gun M1917-1917A1-1918M1 NH M1-90mm Gun M1 w/shell M71 w/Fuze M48A1 Shot M77 Piston Actuator Grain Propellant Cordite N/M for 3"/50 Cal. Gun Navy Propellant Experimental Catapult – Navy Propellant M15 120 mm Gun M1 T123 (Charge Prop T21) Propellant M15 90 mm Gun M1 w/Shell M313 Propellant M17 120 mm Gun T123 for Charge Prop T-38 Propellant M17 90 mm Gun T119 w/Shot AP-T T33E M318 Propellant T225 38mm Gun Boosted Rocket Propellant T273 115 mm Artillery Boosted Rocket Propellant T28 106mm Propellant T34 for 120mm Gun M1 T-123 (Charge Prop. T-21) Propellant T34 for 90mm Gun M1 T-123 (Charge Prop. T-21) Type 5010 Cal. .50 Ball M2 M2AP1 M8</p> <p>ESSENTIAL/ UTILIZED MATERIALS/WASTE –</p> <p>Acetone (Dimethyl Ketone) Nitrocellulose DPA Ethyl Alcohol Nitroguanidine Explosive/ Lead Bearing Waste Water (Propellant Solids) Beryllium Lead Mercury DNT Maintenance Cleaning and Degreasing Solvents</p>	<p>1943-1971</p>	<p>Investigation ongoing</p>
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	(Low Odor Paraffin Solvent- Stoddard Solvent- LIX E-1- 2 AA Chem-dip- Freon 11- Mineral Spirits- Lacquer Thinner- TCE- Perchlorethylene) POL (Petroleum Oils and Lubricants) Pesticide/ Herbicides		
Solventless Double Base Propellant Production SAAP-010 SAAP-011 SAAP-024 SAAP-036	<p>MANUFACTURING PRODUCTS –</p> <p>High Energy X-12 - Sheet Propellant and Carpet Roll</p> <p>High Energy X-8 - Sheet Propellant and Carpet Roll</p> <p>High Strength N-5 Sheet Propellant and Carpet Roll</p> <p>N-5 Cool Modification Sheet Propellant and Carpet Roll</p> <p>Paste - JPN Formula</p> <p>Propellant Grain Mark 31 Mod 1</p> <p>Propellant Grain Mark 43 Mod 1</p> <p>Propellant Grain Mark 44 Mod 1</p> <p>Propellant Grain Mark 49 (ZUNI)</p> <p>Propellant Grain XM 548</p> <p>Propellant X-5 15" Carpet Roll</p> <p>Sheet Solventless JPN CR</p> <p>Sheet Solventless N-5 CR</p> <p>Special Solventless Rocket Propellant</p> <p>Standard N-4 - Sheet Propellant and Carpet Roll</p> <p>Standard X-10 - Sheet Propellant and Carpet Roll</p> <p>Standard X-11 - Sheet Propellant and Carpet Roll</p> <p>Standard X-12 - Sheet Propellant and Carpet Roll</p> <p>Standard X-13 - Sheet Propellant and Carpet Roll</p> <p>Standard X-14 - Sheet Propellant and Carpet Roll</p> <p>Standard X-17 - Sheet Propellant and Carpet Roll</p> <p>Standard X-18 - Sheet Propellant and Carpet Roll</p> <p>Standard X-19 - Sheet Propellant and Carpet Roll</p> <p>Standard X-20 - Sheet Propellant and Carpet Roll</p> <p>Standard X-7 - Sheet Propellant and Carpet Roll</p> <p>Standard X-8 - Sheet Propellant and Carpet Roll</p> <p>Stick Solventless (Russian)</p> <p>Stick Solventless Mark 13 Navy</p> <p>Stick Solventless Mark 16 Navy</p> <p>Stick Solventless Mark 17 Navy</p> <p>Stick Solventless Mark 18 Navy</p> <p>Stick Solventless Mark 19 Navy</p> <p>Stick Solventless Mark 20 Navy</p> <p>Stick Solventless Mark 21 Navy</p> <p>Stick Solventless Mark 22 Navy</p> <p>Stick Solventless Mark 24 Navy</p> <p>Stick Solventless Mark 25 Navy</p> <p>XM</p> <p>XM33 - Sheet Propellant</p>	1943-1971	Investigation ongoing SAAP-010 & 011 soil cleanup complete

<p>Tank Farms SAAP-065</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE –</p> <ul style="list-style-type: none"> Acetone Ammonium Nitrate Anhydrous Ammonia Ether Alcohol Ethyl Lactate/ Butyl Acetate Fuel Oil 2 Fuel Oil 6 Leaded and Unleaded Gasoline Nitric Acid Oleum Sulfuric Acid Mixed Acid Lime Chromate Brine 	<p>1943-1971</p>	<p>Investigation ongoing</p>
<p>Waste Water Treatment Plant</p>	<p>ESSENTIAL/ UTILIZED MATERIALS/ WASTE</p> <ul style="list-style-type: none"> Calcium Hydroxide Calcium Oxide EDTA Methanol Dimethyl Sulfoxide Nitrates Oily Water Sodium Hydroxide Sulfuric Sulfuric Acid Ferric Chloride Phosphoric Acid Waste Oil 	<p>1995-2001</p>	<p>No contamination found above risk levels</p>