Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

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FACILITY IDENTIFICATION:
NASA Goddard Space Flight Center's Wallops Flight Facility
Dept: EPA ID#VA8800010763 Main Base
34200 Fulton Street
Wallops Island, VA 23337 USA
County: Accomack
Fire District:
Latitude: 37.8644
Longitude: -75.5073
Facility Phone: 757-824-1333

[ ] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:
Dun & Bradstreet: N/A
NAICS: 927110 (Space Research and Technology)
SIC: 9661 (SPACE RESEARCH AND TECHNOLOGY)

Is the facility manned? [x] Manned [ ] Unmanned
Maximum No. of Occupants: 2500

REGULATORY INFORMATION:
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [x] Yes [ ] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [ ] Yes [x] No

CONTACT INFORMATION:

Captain, on
Title: Duty Contact Type 1: Emergency Contact Contact Type 2: Fire Department
Address: NASA GSFC WFF, Wallops Island, VA, 23337 USA
Phones: 24-hour: 757-824-1333 Work: 757-824-1508
Email: James.M.Atkins@nasa.gov

Kettner, Brenden
Title: Emergency Coordinator Contact Type 1: Fac. Emergency Coordinator
Address: NASA WFF 34200 Fulton Street Building F-160 Room W152, Wallops Island, VA, 23337 USA
Phones: Work: 757-824-1985 24-hour: 757-824-1333
Email: Brenden.J.Kettner@nasa.gov

Bruner, Douglas
Title: Environmental Engineer Contact Type 1: Tier II Information Contact Contact Type 2: Owner / Operator
Address: NASA WFF 34200 Fulton Street Code 250 BLDG F-160, Wallops Island, VA, 23303 USA
Phones: Work: 757-824-2441
Email: Douglas.W.Bruner@nasa.gov

CHEMICAL DESCRIPTIONS:

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

CHEM NAME: AGIP OSO Elevator Hydraulic Fluid
CAS: EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Below ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous, NOAA, R-30 Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Almandite and Pyrope Garnet (Garnet Abrasive Grains and Powders)
CAS: 1302-62-1 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[ ]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Bag Pressure: Ambient pressure Temp: Ambient temperature Location: F-10 Amount: pounds
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: F-10 Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Aqueous Film Forming Foam
CAS: 112-34-5 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: B-30, Hazardous Material Storage Amount: pounds
Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: B-129, Fire Station 1 Amount: pounds
Container Type: Tank wagon Pressure: Greater than ambient pressure Temp: Ambient temperature Location: B-129 Fire Station 1 Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Diesel Fuel
CAS: 68476-34-6 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
```

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:
[ ]Acute toxicity (any route of exposure)
[ ]Skin corrosion or irritation
[ ]Serious eye damage or eye irritation
[x]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[x]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: F-26, Vehicle Fueling Amount: pounds
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds
Container Type: Above ground tank Pressure: Ambient Pressure Temp: Ambient temperature Location: Mobile Radar Storage E-134 and outside hangar N-159 Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Envirotemp FR3
CAS: EHS: No
[ ] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:
[ ]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[x]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:
[ ]Acute toxicity (any route of exposure)
[ ]Skin corrosion or irritation
[ ]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

No additional chemical information is required by Virginia

CHEM NAME: Fuel Oil #2
CAS: 68476-30-2 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [x]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 11 (500,000 - 999,999 pounds)
Avg Daily Amt code: 11 (500,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous
Amount: pounds
Container Type: Below ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: R-30. R-20
Amount: pounds
Container Type: Below ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA
Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Jet A /JP-8 Aviation Fuel
CAS: 8008-20-6 EHS: No
[ ] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant
```

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ]Hazard Not Otherwise Classified
INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
Avg Daily Amt code: 12 (1,000,000 - 9,999,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: D-1 Hangar Amount: pounds
Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: D-1 Hangar Amount: pounds
Container Type: Tank wagon Pressure: Ambient pressure Temp: Ambient temperature Location: N-159 Hangar Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Lead
CAS: 7439-92-1 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [x] Solid [ ] Liquid [ ] Gas
PHYSICAL HAZARDS:

[ ]Explosive	[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive
[ ]Pyrophoric (liquid or solid)	[ ]Pyrophoric Gas
[ ]Self-heating	[ ]Organic peroxide
[ ]Corrosive to metal	[ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas	[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)	[x]Carcinogenicity
[ ]Skin corrosion or irritation	[x]Reproductive toxicity
[ ]Serious eye damage or eye irritation	[x]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization	[ ]Aspiration hazard
[ ]Germ cell mutagenicity	[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds
Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: R-30 Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

CHEM NAME: Mineral Oil
CAS: 8042-47-5 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Other Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Motor Oil, Industrial Oil, Lubricating Oil
CAS: EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

CHEMICAL COMPONENTS:
[ ] EHS, CAS: 64742-54-7, Component: Distillates, petroleum, hydrotreated heavy paraffinic, % , Max Amt code:
[ ] EHS, CAS: 64742-55-8, Component: Distillates, petroleum, hydrotreated light paraffinic, % , Max Amt code:

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous, Buildings F-19, F-16, N-223 Amount: pounds
Container Type: Plastic bottles or jugs Pressure: Ambient pressure Temp: Ambient temperature Location: Ubitiquitous Amount: pounds
Container Type: Tank inside building Pressure: Ambient pressure Temp: Ambient temperature Location: Building D-8 Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Nitrogen
CAS: 7727-37-9 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas
PHYSICAL HAZARDS:

```
[ ]Explosive                                [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)          [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)             [ ]Pyrophoric Gas
[ ]Self-heating                             [ ]Organic peroxide
[ ]Corrosive to metal                       [x]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)   [ ]Carcinogenicity
[ ]Skin corrosion or irritation             [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation     [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization        [ ]Aspiration hazard
[ ]Germ cell mutagenicity                   [x]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 09 (75,000 - 99,999 pounds)
Avg Daily Amt code: 09 (75,000 - 99,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Cryogenic conditions Location: F-10, Technical Service Shop Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: B-30, Hazardous Material Storage Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: F-7, Testing Lab Amount: pounds
Container Type: Tank wagon Pressure: Greater than ambient pressure Temp: Ambient temperature Location: F-10, Technial Service Shop Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: H-100, Payload Processing Facility Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

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CHEM NAME: Propane
CAS: 74-98-6 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas

PHYSICAL HAZARDS:

```
[x]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [x]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 11 (500,000 - 999,999 pounds)
Avg Daily Amt code: 11 (500,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: F-16, N-127 Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: B-30, Hazardous Material Storage Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Ubituitous Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: South side of N-159 Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Rocket Motors and Ignitors
CAS: EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[x]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
```

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[x]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[x]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Other Pressure: Ambient pressure Temp: Ambient temperature Location: M-9,M-10,M-12,M-14, M-15,M-20, M-22 Rocket Motor Storage Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Soda Ash
CAS: 497-19-8 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [x] Solid [ ] Liquid [ ] Gas

PHYSICAL HAZARDS:

[ ]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[ ]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Silo Pressure: Ambient pressure Temp: Ambient temperature Location: D-50, Wastewater Treatment Plant Amount: pounds
Container Type: Plastic or non-metallic drum Pressure: Ambient pressure Temp: Ambient temperature Location: D-50, Wastewater Treatment Plant Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Sodium Chloride
CAS: 7647-14-5 EHS: No
[x] Identical to previous year

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ] TRADE SECRET
[x] Pure [ ] Mix [x] Solid [ ] Liquid [ ] Gas

PHYSICAL HAZARDS:

[ ]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[x]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[x]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 300

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Silo Pressure: Ambient pressure Temp: Ambient temperature Location: F-33 Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Sulfuric Acid
CAS: 7664-93-9 EHS: Yes
[ ] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

[ ]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[x]Corrosive to metal
[ ]In contact with water emits flammable gas
[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[x]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[x]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds

Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: R-30 Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Unleaded Gasoline

CAS: 8006-61-9 EHS: No

[x] Identical to previous year

[ ] TRADE SECRET

[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [x]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:

[ ] Below Reporting Thresholds

Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Daily Amt code: 08 (50,000 - 74,999 pounds)

No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: F-26, Vehicle Fueling Amount: pounds

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NOAA Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

FACILITY STATE FIELDS:

No additional information is required by Virginia

STATE / LOCAL FEES: None.

[x] I have attached a site plan

[ ] I have attached a list of site coordinate abbreviations

[ ] I have attached a description of dikes and other safeguard measures

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 13, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Theodore J. Meyer, Associate Chief, MEMD	Theodore J. Meyer	2/22/2019
Name and official title of owner/operator OR owner/operator's authorized representative	**Signature**	**Date signed**

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

****
****

FACILITY IDENTIFICATION:
NASA Goddard Space Flight Center's Wallops Flight Facility
Dept: EPA ID#7A8800020888 Mainland and Wallops Island
32477 Wallops Island Road (911 address) 34200 Fulton Street Wallops Island VA 23337 (mailing address)
Assawoman, VA 23302 USA
County: Accomack
Fire District:
Latitude: 37.9343
Longitude: -75.478
Facility Phone: 757-824-1333

[ ] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:
Dun & Bradstreet: N/A
NAICS: 927110 (Space Research and Technology)
SIC: 9661 (SPACE RESEARCH AND TECHNOLOGY)

Is the facility manned? [x] Manned [ ] Unmanned
Maximum No. of Occupants: 2000

REGULATORY INFORMATION:
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [x] Yes [ ] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [ ] Yes [x] No

CONTACT INFORMATION:

Captain, on
Title: Duty Contact Type 1: Emergency Contact Contact Type 2: Fire Department
Address: NASA GSFC WFF, Wallops Island, VA, 23337 USA
Phones: 24-hour: 757-824-1333 Work: 757-824-1508
Email: James.M.Atkins@nasa.gov

Kettner, Brenden
Title: Emergency Coordinator Contact Type 1: Fac. Emergency Coordinator
Address: NASA WFF 34200 Fulton Street Building F-160 Room W152, Wallops Island, VA, 23337 USA
Phones: Work: 757-824-1985 24-hour: 757-824-1333
Email: Brenden.J.Kettner@nasa.gov

Bruner, Douglas
Title: Environmental Engineer Contact Type 1: Tier II Information Contact Contact Type 2: Owner / Operator
Address: NASA WFF 34200 Fulton Street Code 250 BLDG F-160, Wallops Island, VA, 23303 USA
Phones: Work: 757-824-2441
Email: Douglas.W.Bruner@nasa.gov

CHEMICAL DESCRIPTIONS:

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

CHEM NAME: Anhydrous Hydrazine
CAS: 302-01-2 EHS: Yes
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [x]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 04 (1,000 - 4,999 pounds)
Avg Daily Amt code: 04 (1,000 - 4,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Z25, V-55
Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: X-79 Horizontal Integration Facility and MARS Launch Pad 0-A Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Dinitrogen Tetroxide
CAS: 10544-72-6 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[x]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [x]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [x]Aspiration hazard
[ ]Germ cell mutagenicity                     [x]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[x] Below Reporting Thresholds

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

Max Daily Amt code: 04 (1,000 - 4,999 pounds)
Avg Daily Amt code: 04 (1,000 - 4,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: Z-20, V-55 Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Z-20, V-55, MARS Launch Pad 0-A, X-79 Horizontal Integration facility Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Fuel Oil #2
CAS: 68476-30-2 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas
PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [x]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Helium
CAS: 7440-59-7 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas
PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [x]Gas under pressure (compressed gas)
```

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ]In contact with water emits flammable gas [ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[x]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: MARS Launch Pad 0-A Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: X-79, Horizontal Integration Facility Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Mineral Oil
CAS: 8042-47-5 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

[ ]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[ ]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[x]Skin corrosion or irritation
[x]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Other Pressure: Ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: MARS Launch Pad 0-A Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

---

CHEM NAME: Nitrogen
CAS: 7727-37-9 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [x]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[ ]Skin corrosion or irritation               [ ]Reproductive toxicity
[ ]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [x]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 11 (500,000 - 999,999 pounds)
Avg Daily Amt code: 11 (500,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: X-79, Horizontal Integration Facility Amount: pounds
Container Type: Cylinder Pressure: Greater than ambient pressure Temp: Ambient temperature Location: MARS Launch Pad 0-A Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Cryogenic conditions Location: MARS Launch Pad 0-A Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Oxygen
CAS: 80937-33-3 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [ ]Flammable (gases, aerosols, liquids, or solids)
[x]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [x]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[ ]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
```

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ]Germ cell mutagenicity [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 11 (500,000 - 999,999 pounds)
Avg Daily Amt code: 11 (500,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Cryogenic conditions Location: MARS Launch Pad 0-A Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Propane
CAS: 74-98-6 EHS: No
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [x] Gas

PHYSICAL HAZARDS:

[x]Explosive
[ ]Oxidizer (liquid, solid or gas)
[ ]Pyrophoric (liquid or solid)
[ ]Self-heating
[ ]Corrosive to metal
[ ]In contact with water emits flammable gas
[x]Flammable (gases, aerosols, liquids, or solids)
[ ]Self-reactive
[ ]Pyrophoric Gas
[ ]Organic peroxide
[x]Gas under pressure (compressed gas)
[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)
[x]Skin corrosion or irritation
[ ]Serious eye damage or eye irritation
[ ]Respiratory or skin sensitization
[ ]Germ cell mutagenicity
[ ]Carcinogenicity
[ ]Reproductive toxicity
[ ]Specific target organ toxicity (single/repeated exposure)
[ ]Aspiration hazard
[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified

INVENTORY:

[ ] Below Reporting Thresholds
Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

[ ] Confidential
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: Ubiquitous Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: V-55 Spacecraft Fueling, V-27 WI Firehouse Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: V-3 DDG1000 Amount: pounds
Container Type: Above ground tank Pressure: Greater than ambient pressure Temp: Ambient temperature Location: X-79 Horizontal Integration Building Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Rocket Motors and Ignitors

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

CAS: EHS: No
[ ] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [x] Solid [ ] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[x]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:
[ ] Confidential
Container Type: Other Pressure: Ambient pressure Temp: Ambient temperature Location: V-67 Rocket Motor Storage
Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: RP-1, Kerosene
CAS: 8008-20-6 EHS: No
[ ] Identical to previous year
[ ] TRADE SECRET
[ ] Pure [x] Mix [ ] Solid [x] Liquid [ ] Gas

PHYSICAL HAZARDS:

```
[ ]Explosive                                  [x]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)            [ ]Self-reactive
[ ]Pyrophoric (liquid or solid)               [ ]Pyrophoric Gas
[ ]Self-heating                               [ ]Organic peroxide
[ ]Corrosive to metal                         [ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas  [ ]Combustible Dust
```

HEALTH HAZARDS:

```
[x]Acute toxicity (any route of exposure)     [ ]Carcinogenicity
[x]Skin corrosion or irritation               [ ]Reproductive toxicity
[x]Serious eye damage or eye irritation       [ ]Specific target organ toxicity (single/repeated exposure)
[ ]Respiratory or skin sensitization          [ ]Aspiration hazard
[ ]Germ cell mutagenicity                     [ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
```

INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 10 (100,000 - 499,999 pounds)
Avg Daily Amt code: 10 (100,000 - 499,999 pounds)
No. of days on-site: 365

STORAGE LOCATIONS:

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

[ ] Confidential
Container Type: Steel Drum Pressure: Ambient pressure Temp: Ambient temperature Location: X-79, Horizontal Integration Facility Amount: pounds
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: MARS Launch Pad 0-A Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

CHEM NAME: Sulfuric Acid
CAS: 7664-93-9 EHS: Yes
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas
PHYSICAL HAZARDS:

[ ]Explosive	[ ]Flammable (gases, aerosols, liquids, or solids)
[ ]Oxidizer (liquid, solid or gas)	[ ]Self-reactive
[ ]Pyrophoric (liquid or solid)	[ ]Pyrophoric Gas
[ ]Self-heating	[ ]Organic peroxide
[x]Corrosive to metal	[ ]Gas under pressure (compressed gas)
[ ]In contact with water emits flammable gas	[ ]Combustible Dust

HEALTH HAZARDS:

[ ]Acute toxicity (any route of exposure)	[ ]Carcinogenicity
[x]Skin corrosion or irritation	[ ]Reproductive toxicity
[x]Serious eye damage or eye irritation	[ ]Specific target organ toxicity (single/repeated exposure)
[x]Respiratory or skin sensitization	[ ]Aspiration hazard
[ ]Germ cell mutagenicity	[ ]Simple Asphyxiant

[ ]Hazard Not Otherwise Classified
INVENTORY:
[ ] Below Reporting Thresholds
Max Daily Amt code: 04 (1,000 - 4,999 pounds)
Avg Daily Amt code: 04 (1,000 - 4,999 pounds)
No. of days on-site: 365
STORAGE LOCATIONS:
[ ] Confidential
Container Type: Battery Pressure: Ambient pressure Temp: Ambient temperature Location: x-79, V-45, U-12 Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Virginia

FACILITY STATE FIELDS:
No additional information is required by Virginia

STATE / LOCAL FEES: None.

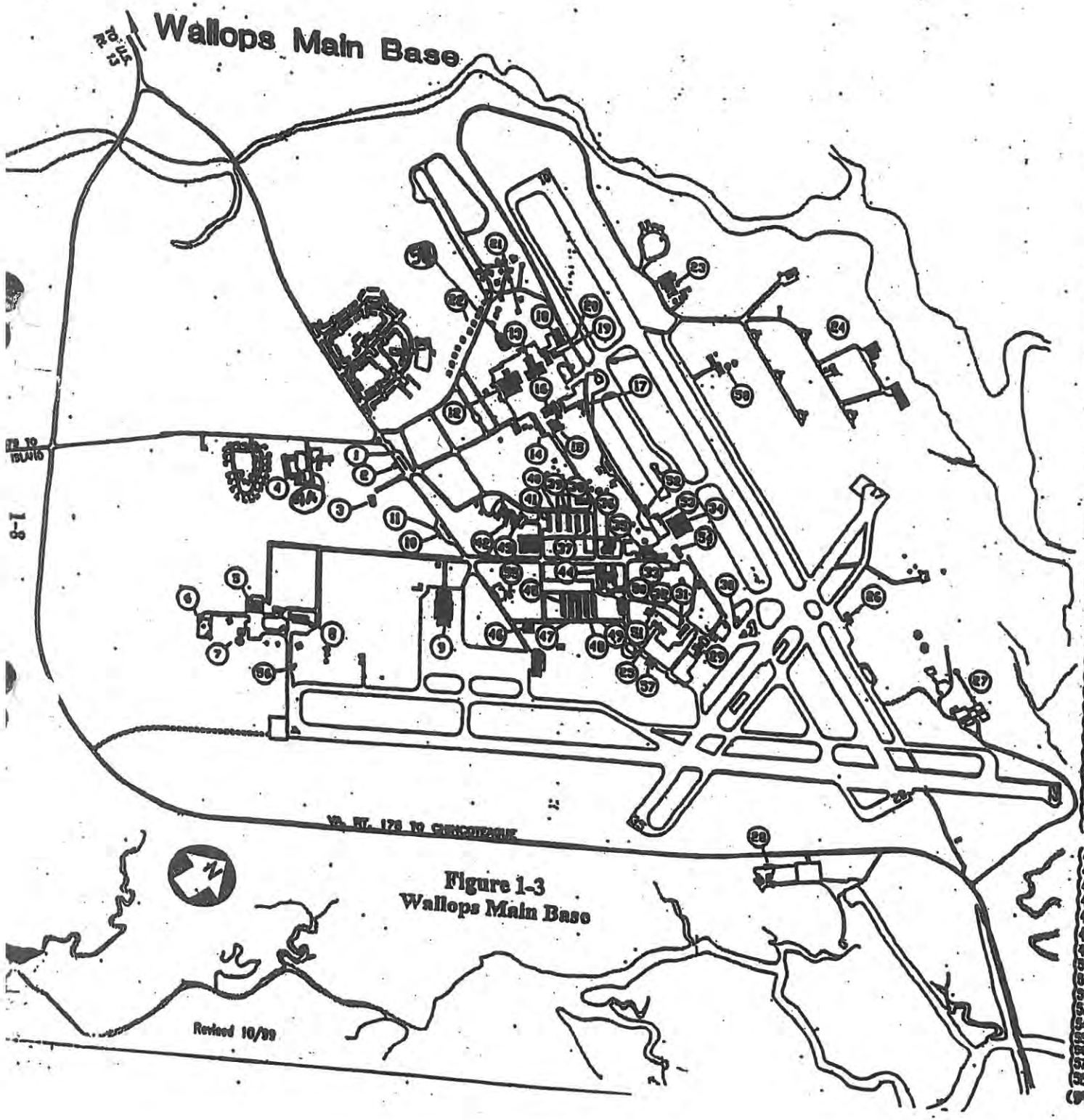
[x] I have attached a site plan
[ ] I have attached a list of site coordinate abbreviations
[ ] I have attached a description of dikes and other safeguard measures

Facility Name: NASA Goddard Space Flight Center's Wallops Flight Facility

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 9, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Theodore J. Meyer		2/22/2019
Name and official title of owner/operator OR owner/operator's authorized representative	**Signature**	**Date signed**



(1) Main Gate (N-127)
(2) Security Building (N-128)
(3) Septic/Disposal/Hazardous Waste Facility (N-222/N-223)
(4) Navy NCSC Area (4A) - R30, R26
(5) Telecommunications Facility Building (N-162)
(6) 18 Meter TM System (N-167)
(7) Wallops Orbital Tracking Station (WOTS)
(8) Software and Analysis/Facilities Mgt/Environmental (N-16
(9) Research Aircraft Hanger & Observational Science Laboratory (N-159)
(10) Credit Union (N-133)
(11) Wallops Exchange Office (N-134)
(12) Technical Service Shops & Offices (F-10)
(13) Facilities Operations Shop Building (F-16)
(14) Property & Supply Building (F-7)
(15) Plating and Industrial Shop (F-8)
(16) Receiving, Shipping and Storage Building (F-19)
(17) Plant Operation and Maintenance Shops - Support / Storage Building (M-1)
(18) Auxiliary Equipment Storage Building (F-25)
(19) Vehicle Service Facility (F-26)
(20) Welding/Sheetmetal Shop (F-20)
(21) Magnetic Field Simulation Laboratory (F-23)
(22) Coast Guard Housing (H Area)
(23) Waste Water Treatment Plant (D-12)
(24) Rocket Storage Area (M-22),(M-22),(M-15),(M-16)
(25) Hazardous Waste Storage Facility (B-29)
(26) Raymy MR-716 Radar Operations (A-41)
(27) NOAA Facility (CDA)
(28) Visitors Information Center
(29) Aircraft, Fire, and Crash Bldg. (Fire Station #1) (B-129)
(30) Air Traffic Control Operations Building (A-1)
(31) General Warehouse / Storage Building (B-31)
(32) Hazardous Materials Storage Facility (D-30)
(33) Commercial Projects (C-15)
(34) Aircraft Hanger (D-1)
(35) Central Heating Plant (D-8)
(36) Gymnasium NSWC Office Building (D-10)
(37) Dormitory Buildings (F-4 / F-5)
(38) TIFF Administration Building (F-6)
(39) Conference and Morale Activities Building (F-3)
(40) Telecommunications Facility Building (F-2)
(41) Reproduction / Print Shop / Graphics (F- 1)
(42) Personnel /Health Unit
Verification Laboratory Building (F-160)
(43) Rain Simulation Building (F-162)
(44) Cafeteria and Photo Lab (E-2)
(45) Range Engineering Building (E-108)
(46) Mobile Radar Shop/Office/Storage Building (E-134)
(47) Central Center & Range Operations Bldg. (E-108/E-107)
(48) Procurement & Fiscal Offices/Library Bldg. (E-105)
(49) Management Education Center (E-104)
(50) Contract Office and Storage (E-9)
(51) Post Office /Mail & Fire Building (E-7)
(52) Aircraft Ground Support Building (D-2)
(53) Aircraft Support Building (D-40)
(54) Aerial Remote Sensing Lab/Electronic Shop (D-101)
(55) Ionosphere Sounding Solar Data Center (E-144)
(56) Balloon Launch Shelter (N-179)
(57) Pump and Treatment Facility (E-10)
(58) New Sewage Treatment Plant (D-80)
(59) Payload Processing (H-100)

Figure 1-3
Wallops Main Base

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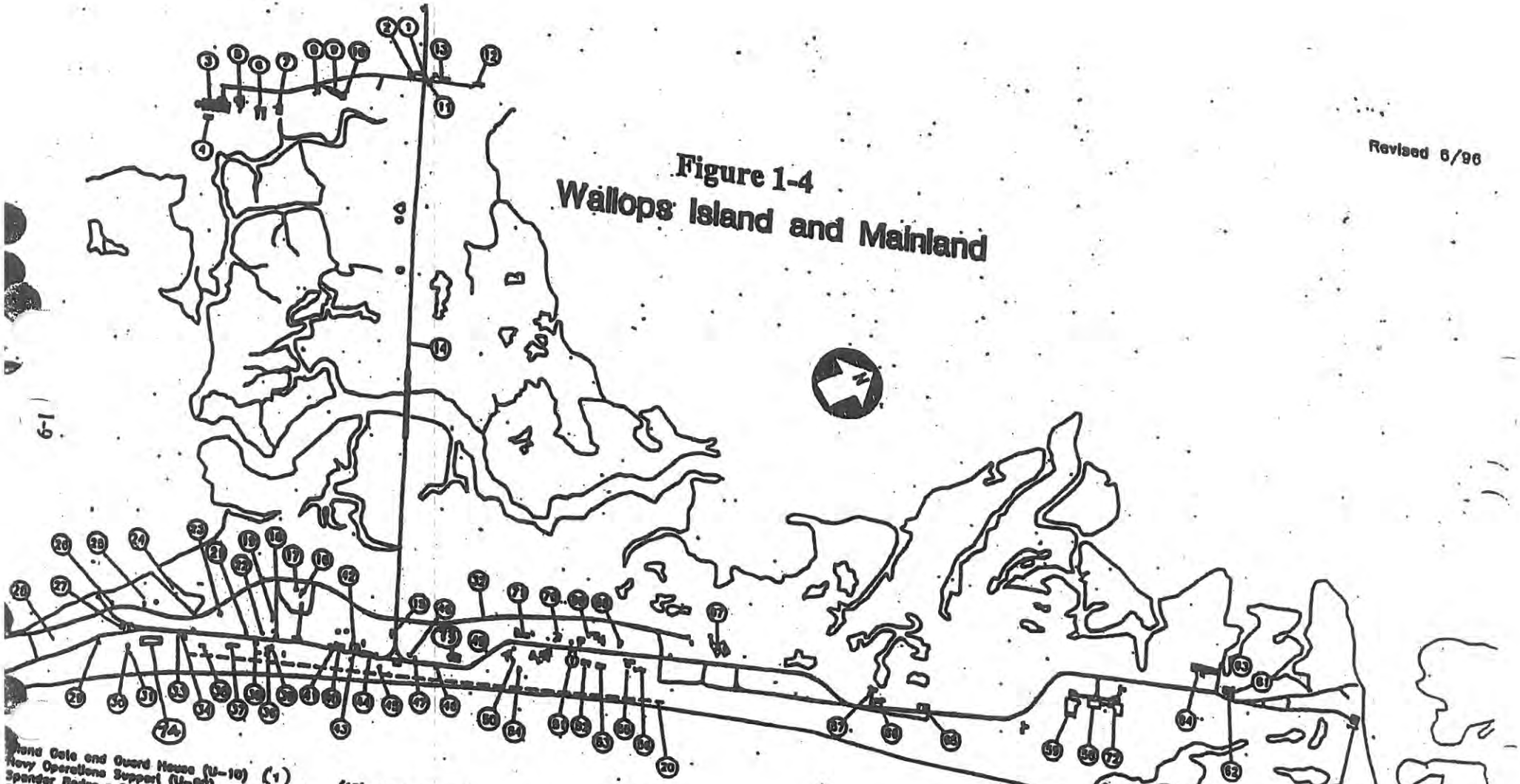
Figure 1-4
Wallops Island and Mainland



...land Gate and Guard House (U-10) (1)
Navy Operations Support (U-90) (2)
Spander Radar r Operations (U- 30) (3)
Op... Tracking Site (4)
RA... ...er Operations (U-25) (5)
RA... ...ng Range Radar (U-20) (6)
Telescope Building (U-40) (7)
Atmospheric Physics Measurement Laboratory (U-80) (8)
...N/FPQ-6 Radar Sep (U-70) (9)
...ub-Station (10)
...rminal Building (U-5) (11)
...ransmitter Building (U-55) (12)
...N/FPQ-6 Calibration Beacon and Tower (U-60) (13)
...usaway (14)
...ecial Projects & Camera Site (X-85) (15)
...and Radar Control (Y-60) (16)
...R-710 Radar (Y-55) (17)
...iter & Rocket Motor Shop (Y-40) (18)

(19) Squib & Igniter Checkout (Y-50)
(20) Seawall
(21) Meteorological Tower (Y-85)
(22) Fuel Storage Magazine (Y-25)
(23) Barcelight Tower (100 ft.) (Y-5)
(24) South Boat Basin
(25) Liquid Propellant Storage (Z-20 Z-25)
(26) Sewage Treatment Lagoon (Z-37 Z-38)
(27) NSWC/Land Based Test Site (Z-41)
(28) DOVAP Area
(29) Launch PAD No. 0
(30) Tracking Camera No 2 (Z-35)
(31) Launch Control Center (Z-40)
(32) Launch Area By Pass Road
(33) Aerobee Equipment Building (Z-60)
(34) Launch Area No. 1 (Z-70)
(35) Blockhouse No. 1 (Z-65)
(36) TV Camera Station No. 1

(37) Assembly Shop No. 1 (Y-15)
(38) Launch Area No. 2 (Y-35)
(39) Blockhouse No. 2 (Y-30)
(40) Range Service (X-15)
(41) Gasoline Pumping & Dispensing Facility (X-10)
(42) Paint Shop (X-30)
(43) Fire Station No. 2 (X-35)
(44) General Services (X-55)
(45) Colmore Tracking Station No. 5 (X-45)
(46) Island Terminal Building (X-75)
(47) WBO Collimator Projector (W-91)
(48) Camera Station (W-49)
(49) Island Road
(50) Launch Area No. 3 (W-90)
(51) Blockhouse No. 3 (W-20)
(52) Terminal Building Launch Area No. 4 (W-35)
(53) Launch Area No. 4 (W-30)
(54) Camera Pad (W-115)

(55) Terminal Building Area No. 5 (W-50)
(56) Launch Area No 5 (W-45)
(57) Hot Payload Assembly and Checkout Building (V-20)
(58) Dynamic Balancing Control Center Building (V-50)
(59) Horizontal Dynamic and Static Balancing Facility (V-45)
(60) Rocket Storage Facility (V-67)
(61) Observation Tower Easy (V-70)
(62) Special Projects (Old Coast Guard Station) (V-65)
(63) North Boat Basin (V-75)
(64) Rocket Motor Ready Storage (V-60)
(65) Ammunition Magazine (V-30)
(66) Inert Payload Assembly and Checkout Building (V-25)
(67) AllCa Cruiser/Destroyer Facility (V-10/V-20)
(68) Assembly Shop No. 5 (W-40)
(69) Deluge Pumping Station Building (W-25)
(70) Assembly Shop No. 4 (W-15)
(71) Assembly Shop No. 3 (W-65)
(72) Vertical Dynamic Balancing Control Facility (V-55)
(73) Horizontal Integration Facili...
(74) MARS PAD ...