| | |
|---|---|
| **State** | Utah |
| **State Agency** | Department of Environmental Quality |
| **Affected Area** | Hill AFB |
| **Regulation** | Source-specific requirements |
| **Rule Number** | Ozone NAAQS Approval Orders |
| **Rule Title** | BAQE-525-88, Approval Order for Structural Repair and Maintenance Facility, Davis County (10/13/1988) |
| **State Effective Date** | 03/04/1997 |
| **State Adoption Date** | 02/05/1997 |
| **EPA Effective Date** | 08/18/1997 |
| **Notice of Final Rule Date** | 07/17/1997 |
| **Notice of Final Rule Citation** | 62 FR 38213 |
| **Comments** | |

**Rule:**

Hill AFB - DAQE-525-88.pdf

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangerter
Governor
Suzanne Dandoy, M.D., M.P.H.
Executive Director
Kenneth L. Alkema
Director

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6108

BAQE-525-88

October 13, 1988

Mr. Robert Cameron
Department of the Air Force
Environmental Planning Division
Regional Civil Engineer, Western Region (AFESC)
630 Sansome Street, Room 1316
San Francisco, California 94111-2278

Dear Mr. Cameron:

Re: Approval Order for Structural Repair and Maintenance Facility
Davis County, CDS A1

The above-referenced project has been evaluated and found to be consistent with the requirements of the Utah Air Conservation Regulations (UACR) and the Utah Air Conservation Act. A 30-day public comment period was held and all comments received were evaluated. The conditions of this approval order reflect any changes to the proposed conditions which resulted from the evaluation of the comments received. This air quality approval order authorizes the project with the following conditions:

1. Hill Air Force Base shall construct the Structural Repair and Maintenance Facility according to the information submitted in the notice of intent dated May 8, 1988.

2. The approved installations shall consist of the following equipment located at the site:

   A. Primer booth moved from Building 220
   B. Nine dip tanks (new)
   C. Six paint booths from Buildings 205 and 266
   D. One steam cleaner booth (new)
   E. General ventilation exhaust (four fans at 6,000 acfm each)
   F. Bead blast equipment moved from Building 278
   G. Dock area ventilation exhaust (new, 10,200 acfm)
   H. Boiler, natural gas fired, 500 HP

3. Visible emissions from the following emission points shall not exceed the following values:

   A. All paint booths - 5% opacity
   B. All dip tanks - 5% opacity
   C. Bead blasting equipment - 5% opacity
   D. All general ventilation points - 7% opacity
   E. Boiler -5% opacity
   F. All other points - 20% opacity

4. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. Opacity observations of intermittent sources shall use procedures similar to Method 9, but the requirement for observations to be made at 15-second intervals over a 6-minute period shall not apply.

5. The owner/operator shall use only natural gas as a fuel in the proposed boiler. If any other fuel is to be used, an approval order shall be required in accordance with Section 3.1, UACR.

6. All installations and facilities authorized by this approval order shall be adequately and properly maintained.

7. The Executive Secretary of the Utah Air Conservation Committee shall be notified in writing upon start-up of the installation, as an initial compliance inspection is required.

Any future modifications to the equipment approved by this order must also be approved in accordance with Section 3.1.1, UACR.

This approval order in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including the Utah Air Conservation Regulations.

The fee for issuing this approval order is $565.60. The amount is payable to the Bureau of Air Quality, sent to the Executive Secretary, Utah Air Conservation Committee, 288 North 1460 West, P.O. Box 16690, Salt Lake City, Utah 84116-0690 and is due within 30 days after receipt of this approval order.

Sincerely,

F. Burnell Cordner

F. Burnell Cordner
Executive Secretary
Utah Air Conservation Committee

FBC/MK/sh

cc: EPA Region VIII, John Dale
Davis County Health Department

**DEPARTMENT OF THE AIR FORCE**
**REGIONAL CIVIL ENGINEER, WESTERN REGION (AFESC)**
630 SANSOME STREET - ROOM 1316
SAN FRANCISCO, CALIFORNIA 94111-2278

JUN 17 1988

REPLY TO ATTN OF: ROVE (Lt Donaghue/556-0883)

SUBJECT: Additional Information for Notice of Intent to Construct, FY88MCP, PDC# KRSM880083, Structural Repair and Maintenance Facility, Hill AFB, UT

TO: Utah State Division of Environmental Health
Bureau of Air Quality
288 North 1460 West
P.O. Box 16690
Salt Lake City, UT 84116-0690
ATTN: Mr. Lynn Menlove

1. In response to your verbal request of 14 June 1988, enclosed is a building plan for the subject project. Hill AFB has assigned this project Building #238.

2. The original application had the equipment broken down by the areas they would be installed in. The areas referred to are those shown on the building plan.

3. Refer any further questions to Lt Donaghue, 415-556-0883.

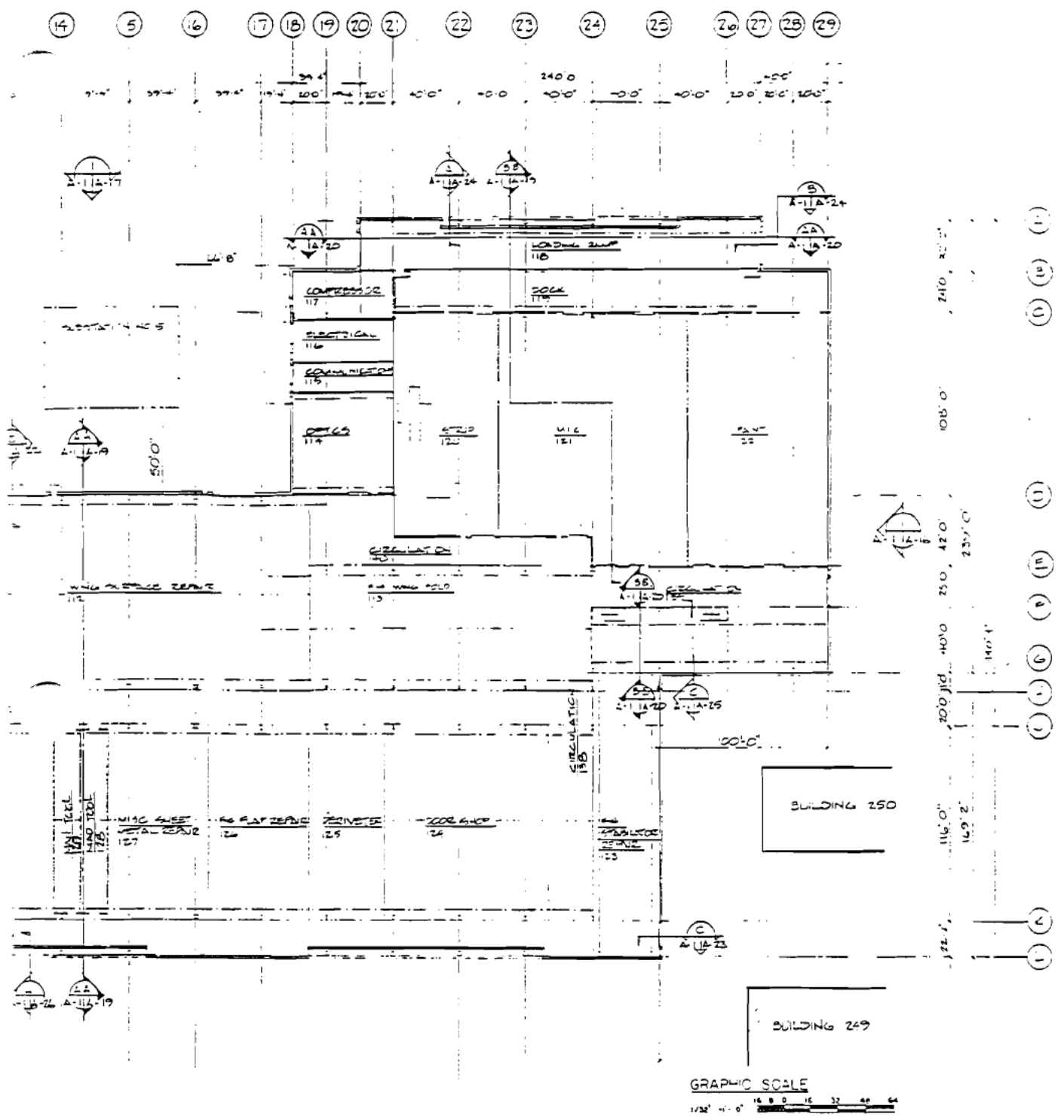
PHILLIP E. LAMMI, Chief
Environmental Planning Division

1 Atch: Building Plan

| | | |
|---|---|---|
| cc: | AFLC/DEV | w/o Atch |
| | 2849ABG/DEEV | " " |
| | CESPD-ED-PM | " " |
| | CESPK-ED-M(Nightingale) | " " |

RECEIVED
AIR QUALITY
JUN 20 1988

4.2.4-904

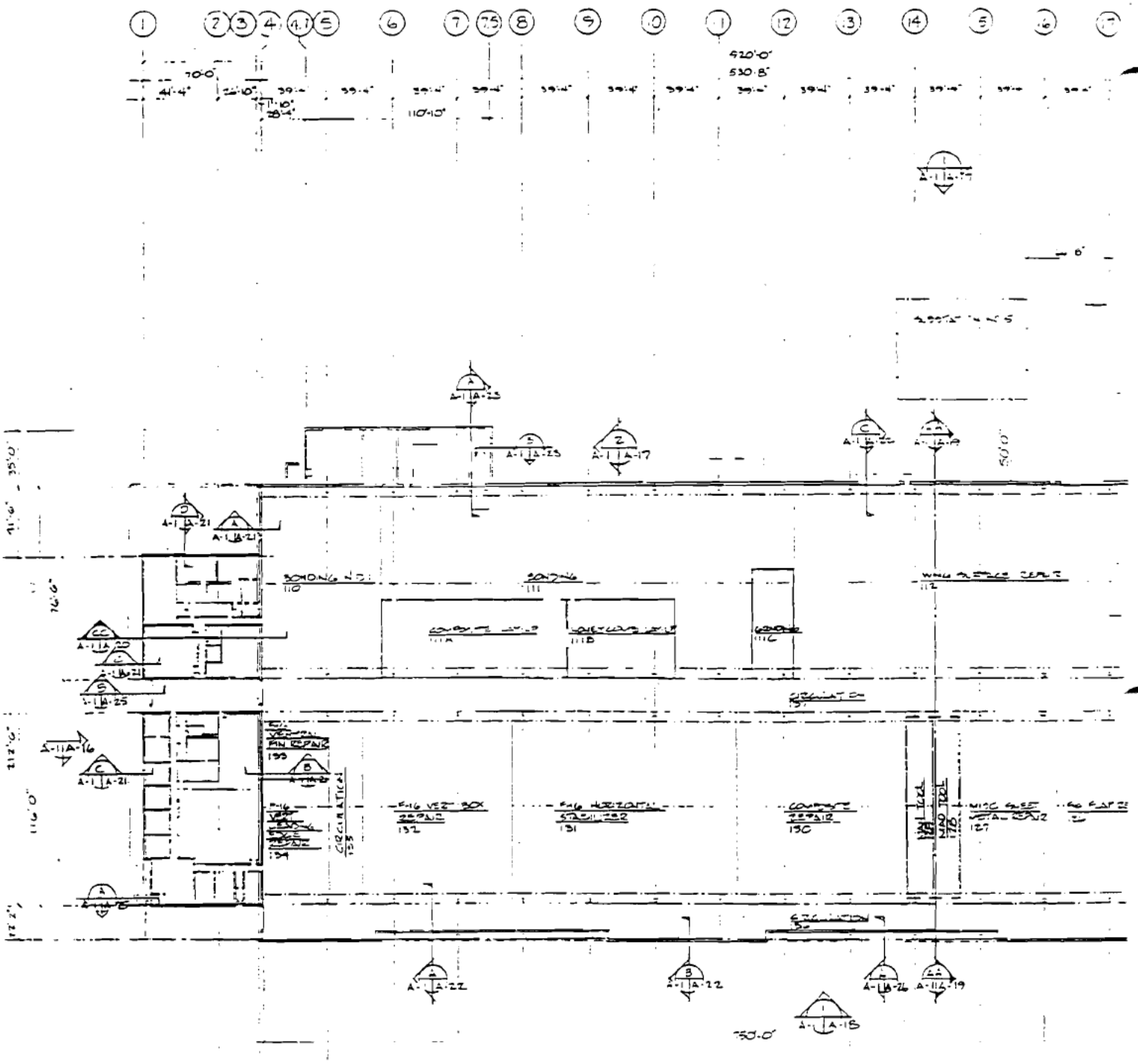



RECEIVED
AIR QUALITY
JUN 20 1988

DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

HILL AIR FORCE BASE UTAH
STRUCTURAL REPAIR AND MAINTENANCE FACILITY
OVERALL FLOOR PLAN

DRAWING REDUCED ONE HALF SIZE




OVERALL FLOOR PLAN
SCALE: 1/32" = 1'-0"

FINISH FLOOR ELEVATION 100'-0"
EQUALS DATUM ELEVATION 4781.5'

SEE SHEETS C-8 AND C-9 FOR MONUMENT LOCATIONS ALONG SOUTH SIDE OF 6TH STREET

RECEIVED
AIR QUALITY
JUN 20 1988

4.2.4-906



SAFETY PAYS

**DEPARTMENT OF THE AIR FORCE**
**REGIONAL CIVIL ENGINEER, WESTERN REGION (AFESC)**
630 SANSOME STREET - ROOM 1316
SAN FRANCISCO, CALIFORNIA 94111-2278

REPLY TO ATTN OF: ROVE (Lt Donaghue/556-0883)

SUBJECT: Notice of Intent to Construct, FY88MCP, PDC# KRSM880083, Structural Repair and Maintenance Facility, Hill AFB, UT

TO: Utah State Division of Environmental Health
Bureau of Air Quality
288 North 1460 West
P.O. Box 16690
Salt Lake City, UT 84116-0690

1. Please consider this letter a Notice of Intent to Construct and a Request for Permit for the subject project. Attachment 1 is a list of the operations of the facility, as well as amount of materials used.

2. Refer questions to Lt Donaghue, 415-556-0883.

ROBERT B. CAMERON, Acting Chief
Environmental Planning Division

1 Atch: Operating Information

cc: AFLC/DEV w/Atch
2849ABG/DEEV " "
CESPD-ED-PM " "
CESPK-ED-M(Nightingale) " "

RECEIVED
AIR QUALITY
MAY 10 1988

4.2.4-907

Re: Structural Repair & Maintenance Facility
Hill Air Force Base, Utah

To Whom It May Concern:

The following is a Notice of Intent (NOI) to construct the above mentioned project.

This facility is a new building intended to consolidate the repair and painting of aircraft parts, and operations carried on in several buildings into this one facility. Material consumptions are based on existing operations and should potentially decrease because of operating efficiency in new facility. Efficiency is based on equipment specification for equipment not yet purchased.

A. Operation: Wing Surface Repair #112

1. Primer Booth - Operation moved from Building #220 to north center of new building. Vertical exhaust discharge located 54' above grade. CFM total discharge. Air cleaning device - 95% efficient water spray and wet plate baffles.

   Total paint consumption for the entire operation includes:

   a. 5 kits (2 gallons per kit) per month of MIL-C-83286: FSCM 33461, Deft Chemical Coatings, polyurethane coating.

   b. 1 aersol can per month of one of the following:

      (1) FSCM 09869 Ameron Industrial Coating Division, lacquer, acrylic.

      (2) FSCM 12904, Lenmar Lacquers, Inc., lacquer.

      (3) FSCM 61196, Pratt & Lambert, lacquer, acrylic.

   There has been no determination as to what percentage of paint (over spray) is exhausted vs. percentage of paint being applied to aircraft component.

2. Dip Tanks - This is a new process involving the dipping of aircraft parts into tanks as listed as a final cleaning/etching process prior to application of primer. Only four of nine tanks contain anything besides water. These four tanks are uncovered but have fume pick-up ducts along each side of tank. There have been no evaporation rates determined but the chemical contents are as follows:

Tank #1 - Alkaline Cleaner - Operating temperature 140 degrees to 160 degrees F. Chemical 'Turco' 4215-S, concentration 4 to 8 oz./gallon of water - exhausting 10,280 CFM.

Tank #2 - Hot Water Dip Rinse - Operating temperature 70 degrees to 110 degrees F. Deionized water - exhausting 7,279 CFM.

Tank #3 - F.P.L. Etch - Operating temperature 150 degrees to 160 degrees F. Chemicals: Sodium Dichromate, 4.1 to 12 oz./gallon of water. Sulfuric Acid, 3.85 to 4.15 oz./gallon of water. Aluminum, 0.2 oz./gallon. Exhausting 14,152 CFM.

Tank #4 - Water only - no exhaust.

Tank #5 - Water only - no exhaust.

Tank #6 - Phosphoric Acid Anodize - Operating temperature 67 degrees to 77 degrees F. Phosphoric acid, 13 to 16 oz./gallon of water - exhausting 8,786 CFM.

Tank #7 - Water only - no exhaust.

Tank #8 - Water only - no exhaust.

Tank #9 - Drip dry only - no exhaust.

B. Operation: Paint #122

1. Paint booths (total of 6) - Processes being moved from Buildings 205 and 266 to east end of new building. 6 separate exhaust discharges above roof 54' above grade. Six paint booths at 12,000 CFM each equals 72,000 CFM being exhausted through paint booths, with 95% efficient air cleaning device of water spray and wet plate baffles.

Total paint consumption for the entire operation includes:

<u>From Building 205</u>

a. 25 kits (2 gallons per kit) per month of one or a combination of the following of MIL-P-23377:

(1) FSCM 09869 Ameron Industrial Coatings Division.

(2) FSCM 33200 Coronado Paint Co.

(3) FSCM 33461 Deft Chemical Coating, polyurethane coating.

(4) FSCM 61196 Pratt & Lambert, epoxy polyamide primer.

(5) FSCM 80592 Koppers Company Inc.

(6) FSCM 81349 Crown Metro Inc., epoxy polyamide primer coating.

(7) FSCM 96595 Desoto Inc.

b. 25 kits (2 gallons per month of one or a combination of the following of MIL-C-83286 or 83286B:

(1) FSCM 33461, Deft Chemical Coatings, coating, two-part kit (1 quart each).

(2) FSCM 81349, Deft Chemical Coatings, polyurethane coating.

c. 10 aerosol cans per month of one or a combination of the following of MIL-L-81352:

(1) FSCM 09869, Ameron Industrial Coating Division, lacquer, acrylic.

(2) FSCM 12904, Lenmar Lacquers, Inc., lacquer.

(3) FSCM 61196, Pratt & Lambert, lacquer, acrylic.

From Building 266

a. 20 kits (2 gallons per kit) per month of MIL-P-23377, 2997 paint primer epoxy polyamide.

b. 10 gallons per month of MIL-C-82386, 2967 paint polyurethane coating.

2. Steam Cleaner Booth: One each 2,000 CFM exhaust with 95% efficient air cleaning device of water spray and wet plate baffles. Discharges up, 54' above grade.

3. General ventilation exhaust, 4 fans at 6,000 CFM each - draws from top of room at 46' above finish floor - no filtering - discharges up, 54' above grade.

C. Strip Area #120

Bead Blast Equipment - This operation will be relocated from Auto Bead Blast Facility in Building 278. This facility is just about to go on line at this time. A 'N.O.I.' for this project has already been filed prior to start of construction. Discharger information is as follows:

Auto Bead Blast Equipment: 32,780 CFM discharge. Manual Bead Blast Equipment: 17,200 CFM. Both units discharge through dust collectors that have Hepa filters with .3 micron drawings. These filters are rated at 99.99% efficient at 0% opacity. A total of 80,000 lbs. of solid waste is generated by this process, 24% of which is classed as toxic paint chips. (The same material being applied to aircraft parts in the paint area.) This is being disposed of by the Base.

D. Loading Ramp Area #118

General ventilation exhaust for carbon monoxide from vehicle exhaust in dock area, 10,200 CFM. Draws from 46' above finish floor, discharge at 50' above grade, above roof, northeast corner of building.

E. Boiler Room #141

Process boiler (back-up system only), 500 HP = 12,750 MBH - .1 SCFM/MBH $CH_4$, 8750 SCFM/MBH N, 1030 SCFM/MBH $CO_2$, .2 SCFM/MBH CO., total flow - 11,990 SCFM/MBH.

Bldg 9 · Only items underlined

| CHEMICAL NAME | MIL.SPEC | USE OR PROCESS USED | TYP USE | QTY | BY | HAZ |
|---|---|---|---|---|---|---|
| ACETONE | O-A-51 | CLEANING | 2 QT | NPWC | 266 | 25 |
| ALCOHOL DENATURED | O-E-760 | HAND APPLY | 5 GL | NPWC | 266 | 25 |
| LACQUER THINNER | MIL-T-15544 | THINNER | 50 GL | NPWC | 266 | 25 |
| METHYL ETHYL KETONE | TT-M-261 | CLEANING SOL | 50 GL | NPWC | 266 | 25 |
| PAINT ACRYLIC NITROCELLULOSE | MIL-L-19538 | SPRAY PAINT | 90 GL | NPWC | 266 | 25 |
| PAINT ENAMEL | TT-E-489 | SPRAY PAINTING | 50 GL | NPWC | 266 | 25 |
| PAINT LACQUER | TT-L-50 | SPRAY | 30 GL | NPWC | 266 | 25 |
| PAINT LACQUER CELLULOSE NITRA | TT-L-32 | SPRAY | 10 QT | NPWC | 266 | 25 |
| PAINT POLYURETHANE COATING | MIL-C-83286 | SPRAY | 10 GL | NPWC | 266 | 25 |
| PAINT PRIMER ACRYLIC | MIL-P-15537 | SPRAY PAINT | 5 GL | NPWC | 266 | 25 |
| PAINT PRIMER EPOXY POLYAMIDE | MIL-P-23377 | SPRAY PAINT | 20 MT | NPWC | 266 | 25 |
| PAINT THINNER ALIPHATIC | MIL-T-81772 | HAND ADDED | 50 GL | NPWC | 266 | 25 |
| PAINT THINNER ENAMEL | TT-T-291 | HAND APPLY | 5 GL | NPWC | 266 | 25 |
| PAINT THINNER MINERAL SPIRITS | TT-T-291 | SPRAY PAINTING | 16 GL | NPWC | 266 | 25 |
| PAINT ZINC CHROMATE PRIMER | TT-P-645 | SPRAY PAINTING | 4 GL | NPWC | 266 | 24 |
| PRIMER, SYNTHETIC | TT-P-664 | PRIME STEEL | 1 GL | NPWC | 266 | 5 |
| TOLUENE | MIL-T-13528 | SOLVENT | 100 GL | NPWC | 266 | 25 |

HOW MANY ITEMS DO YOU WANT ? 1

4.2.4-912

| MATERIAL NOMENCLATURE (Manufacturer & Major Ingredients) | NATIONAL STOCK NUMBER (or NIOSH Number) | SPECIFICATION (MIL or FED) | MSDS ON FILE 1 (Y or N) | QUANTITY USED (per day, wk, mo, yr) | DISPOSAL METHOD (recycle, in process, etc.) | IEX CODE (8, 9, none) | POTENTIAL HAZARD (Y or N) Inh | Abs | Ing | Con |
|---|---|---|---|---|---|---|---|---|---|---|
| Epoxy Primer | NSN 8010-00-082-2450 | MIL-P-23377 | Y | 20 kt/mo | In process | 9 | — | — | — | — |
| A. 2-Ethoxyethanol (15%) | NIOSH # KP5685000 | — | — | — | — | — | Y | Y | N | Y |
| B. Strontium Chromate (25%) | NIOSH # WK8600000 | — | — | — | — | — | N | N | N | Y |
| C. Isobutyl Alcohol (15%) | NIOSH # NP9625000 | | | | | | Y | N | N | Y |
| D. Toluene (7.5%) | NIOSH # XS5250000 | — | — | — | — | | Y | Y | N | Y |
| Polyurethane Coating | LTN 8010P521X427 | | N | On Order | | | | | | |

| | PERCENT | INH ABS ING CON | NIOSH NAME |
|---|---|---|---|
| | | Y N Y N | TOXYETHANOL |
| | | | SODIUM SULFONATE |
| | | Y Y Y Y | NONYLPHENOXYPOLYETHOXYETHANOL |
| 48STP | | | TETRAPOTASSIUM PYROPHOSPHATE |
| | | N N N N | WATER |

Dressing compound aircraft surface

drain disposal

COMPOSITION PRINT REPORT 09/09/86

ING 205 ORGANIZATION WINGFOLD REPAIR/MANPSB

NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==)

MILL SPEC ==) MIL-P-23377 FSCM ==) 09869 MGF NAME ==) AMERON INDUSTRIAL COATINGS DIVISION

HEALTH HAZARD (OVEREXPOSURE)

ANESTHETIC IRR OF RESPIRATORY TRACT OR ACUTE NERVOUS SYS. DEPRESSION, EYE & SKIN IRRITATION

POTENTIAL HAZARD

Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH ABS ING CON | NIOSH NAME |
|---|---|---|---|
| XS5250000 | 15 | Y Y Y Y | TOLUENE |
| EO1400000 | 15 | Y N Y Y | N-BUTYL ALCOHOL |
| NT8050000 | 15 | Y N Y Y | ISOPROPYL ALCOHOL |
| EL6475000 | 15 | Y N Y Y | 2-BUTANONE;METHYL ETJYL KETONE;CAS# 78-93-3; 1983 ACGIH |
| KK8050000 | 20 | Y Y Y Y | CELLOSOLVE SOLVENT (2-ETHOXYETHANOL) |

NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==)

MILL SPEC ==) MIL-P-23377 FSCM ==) 33200 MGF NAME ==) CORONADO PAINT CO. 309 OLD COUNTY RD.,EDGEWATER,FL

HEALTH HAZARD (OVEREXPOSURE)

IRRITATION OF EYES,NOSE AND THROAT. HEADACHE,INTOXICATION & DROWSINESS MAY OCCUR.DRYING OF SKIN

POTENTIAL HAZARD

Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH ABS ING CON | NIOSH NAME |
|---|---|---|---|
| 000 | 11.4 | Y N Y Y | STRONTIUM CHROMATE |
| ORE | 7.6 | | RESINS |
| KD4380000 | 14 | | EPOXY RESIN |
| XS5250000 | 8.0 | Y Y Y Y | TOLUENE |

NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==) POLYURETHANEK COATING

MILL SPEC ==) MIL-P-23377 FSCM ==) 33461 MGF NAME ==) DEFT CHEMICAL COATING

HEALTH HAZARD (OVEREXPOSURE)

SKIN/EYE:IRRIT/SENSITIZR;INH:IRRIT OF RESP TRACT;ACUTE NERVOUS SYSTEM DEPRESSION,FOLLOWD BY HEAD/DIZ

POTENTIAL HAZARD

Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH ABS ING CON | NIOSH NAME |
|---|---|---|---|
| EL6475000 | 15.0 | Y N Y Y | 2-BUTANONE;METHYL ETJYL KETONE;CAS# 78-93-3; 1983 ACGIH |
| AF7850000 | 15.0 | Y N Y Y | BUTYL ACETATE |
| GB3240000 | 15 | Y N Y Y | STRONTIUM CHROMATE |
| GB2975000 | 5.0 | Y N Y Y | LEAD CHROMATE |
| XS5250000 | 10.0 | Y Y Y Y | TOLUENE |

NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==) EPOXY POLYAMIDE PRIMER

MILL SPEC ==) MIL-P-23377 FSCM ==) 61196 MGF NAME ==) PRATT & LAMBERT

HEALTH HAZARD (OVEREXPOSURE)

IRRIT OF NOSE,THROAT,EYES & POSS DIZZINESS & NAUSEA.SPRAY MIST CONTN LEAD.

POTENTIAL HAZARD

Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH ABS ING CON | NIOSH NAME |
|---|---|---|---|
| KP5685000 | 15 | Y Y Y Y | 2-ETHOXYETHANOL |
| WK8600000 | 25 | Y N Y Y | STRONTIUM CHROMATE |
| NP9625000 | 15 | Y N Y N | ALCOHOL ISOBUTYL TYPE PERCENT NOT MORE THAN 20% |
| XS5250000 | 7.5 | Y Y Y Y | TOLUENE |

COMPOSITION PRINT REPORT 09/09/86
[illegible] ORGANIZATION WINGF. REPAIR/MANPSB

*** NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==)
MILL SPEC ==) MIL-P-23377 FSCM ==) 80592 MGF NAME ==) KOPPERS COMPANY [illegible]
HEALTH HAZARD (OVEREXPOSURE)
50 PPM: IRRIT EYES,NOSE,THROAT. HI CONC: DROWSINESS, DIZ,COMT. VERY HI CONC: POSS DEATH-[illegible] BRTHNG

POTENTIAL HAZARD
Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| XS5250000 | | Y | Y | Y | Y | TOLUENE |
| ZE2100000 | | Y | Y | Y | Y | XYLOL |
| EO1400000 | | Y | N | Y | Y | N-BUTYL ALCOHOL |
| NT8050000 | | Y | N | Y | N | ISOPROPYL ALCOHOL |

*** NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==) EPOXY POLYAMIDE PRIMER [illegible] — one the shop uses
MILL SPEC ==) MIL-P-23377D,CLASS. FSCM ==) 81349 MGF NAME ==) CROWN METRO [illegible]
HEALTH HAZARD (OVEREXPOSURE)
BREATHING VAPOR WILL BE IRRITATING TO NOSE AND THROAT MAY CAUSE NAUSEA AND VOMITING CONTACT WITH SKI

POTENTIAL HAZARD
Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| 1000131ER | 13.7 | Y | N | N | Y | EPOXY RESIN |
| 1000516PO | 7.5 | Y | N | N | Y | POLYAMIDE |
| WK8600000 | 12. | Y | Y | Y | Y | STRONTIUM CHROMATE |
| 1000465TD | 2.3 | Y | N | N | N | TITANIUM DIOXIDE,CAS# 13463-67-7,[illegible] |
| 1000241MS | 5.5 | Y | N | N | N | MAGNESIUM SILICATE,WT% RANGE 0-5% ALL TLV DATA SUPPLIED BY MFG.DATA FOR FLUX COMPON |

NSN ==) 8010000822450 HAZ CODE ==) 7M ITEM NAME ==)
MILL SPEC ==) MIL-P-23377 FSCM ==) 96595 MGF NAME ==) DEBOTO [illegible]
HEALTH HAZARD (OVEREXPOSURE)
INHAL:ANESTHETIC, IRRITATION, CNS DEPRESSION,HEADACHE, DIZZINESS UNCONSCIOUS [illegible] EYE IRRIT

POTENTIAL HAZARD
Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| KK8225000 | 15.0 | | | | | CELLOSOLVE ACETATE |
| EL6475000 | 10.0 | Y | N | Y | Y | 2-BUTANONE;METHYL ETJYL KETONE;CAS# [illegible] ACGIH |
| EO1400000 | 5.0 | Y | N | Y | Y | N-BUTYL ALCOHOL |
| XS5250000 | 10.0 | Y | Y | Y | Y | TOLUENE |
| GB3240000 | 20.0 | Y | N | Y | Y | STRONTIUM CHROMATE |

*** NSN ==) 8010004825662 HAZ CODE ==) 7M ITEM NAME ==) COATING, TWO-PART KIT (ONE QUART EACH) — one the shop uses
MILL SPEC ==) MIL-C-83286B FSCM ==) 33461 MGF NAME ==) DEFT CHEMICAL COATINGS
HEALTH HAZARD (OVEREXPOSURE)
EYE & SKIN IRRITANT. INHALATION CAN IRRITATE LUNGS OR CAUSE NARCOSIS.

POTENTIAL HAZARD
Y OR N QUANTITY USED 25 kits/mo DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| EL6475000 | 10.0 | Y | Y | Y | Y | 2-BUTANONE;METHYL ETJYL KETONE;CAS# 78-[illegible] ACGIH. |
| AH54250 | 10.0 | Y | N | Y | N | ETHYL ACETATE |
| KK8225000 | 20. | Y | N | Y | N | CELLOSOLVE ACETATE |

COMPOSITION PRINT REPORT 09/09/86
BUILDING 205 ORGANIZATION WINGFOLD REPAIR/MANPSB

POTENTIAL HAZARD
Y OR N  QUANTITY USED 25 lbs/mo  DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| [illegible] | 10 | Y | Y | Y | Y | METHYL ETHYL KETONE |
| [illegible] | 10 | Y | Y | Y | Y | ETHYL ACETATE |
| [illegible] | 10 | Y | Y | Y | Y | ETHYLENE GLYCOL MONOETHYL ETHER ACETATE |
| [illegible] | [illegible] | Y | Y | Y | Y | POLYURETHANE ENAMEL,ALIPHATIC |

NSN ==) 8010004825674 HAZ CODE ==) 7M ITEM NAME ==) POLYURETHANE COATING
SPEC ==) MIL-C-83286 FSCM ==) 33461 MGF NAME ==) DEFT CHEMICAL COATINGS
HEALTH HAZARD (OVEREXPOSURE)
EYES:MODERATE IRRIT;SKIN:POSSIBLE IRRIT BY SOLVENTS;INH:SOLVENT VAPORS CAN CAUSE IRRIT OR NARCOSIS

POTENTIAL HAZARD
Y OR N  QUANTITY USED 50 lbs/mo  DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| EL6475000 | 10.0 | Y | Y | Y | Y | 2-BUTANONE;METHYL ETHYL KETONE;CAS# 78-93-3; 1983 ACGIH |
| KK8225000 | 19.2 | Y | N | Y | N | CELLOSOLVE ACETATE |
| 1000554PR | 31. | Y | Y | N | Y | POLYESTER RESIN |
| AH4250000 | 11.3 | Y | N | Y | N | ETHYL ACETATE (CAS #141-78-6) |
| XS5250000 | 0.9 | Y | Y | Y | Y | TOLUENE |

NSN ==) 8010009357062 HAZ CODE ==) U ITEM NAME ==) LACQUER,ACRYLIC
MILL SPEC ==) MIL-L-81352 FSCM ==) 07869 MGF NAME ==) AMERON INDUSTRIAL COATING DIVISION
HEALTH HAZARD (OVEREXPOSURE)
INHALE:ANESTHETIC,IRRITATION OF RESPIRATORY TRACT,ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY

POTENTIAL HAZARD
Y OR N  QUANTITY USED 10 gns/mo  DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| [illegible] | 3.9 | Y | N | Y | Y | ISOPROPYL ALCOHOL |
| [illegible] | 26.0 | Y | Y | Y | Y | 2-BUTANONE;METHYL ETHYL KETONE;CAS# 78-93-3; 1983 ACGIH |
| [illegible] | 12. | Y | Y | Y | Y | TOLUENE |
| GW1050000 | 22.7 | Y | N | Y | Y | CYCLOHEXANONE |
| OF7525000 | 0.7 | Y | N | Y | N | LEAD; 36.65% |

NSN ==) 8010009357062 HAZ CODE ==) U ITEM NAME ==) LACQUER
MILL SPEC ==) MIL-L-81352 FSCM ==) 12904 MGF NAME ==) LENMAR LACQUERS,INC
HEALTH HAZARD (OVEREXPOSURE)
INHAL ANEST.IRRIT OF RESPIRAT TRACT OR ACUTE NERV SYS DEPRES,HDACH,DIZZNSS,STAG GAIT,UNCONSC,COMA

POTENTIAL HAZARD
Y OR N  QUANTITY USED 10 gns/mo  DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| PM7780000 | 25 | Y | N | Y | Y | METHYL ETHYL KETONE |
| EO0700000 | 15 | Y | N | Y | N | N-BUTYL ACETATE |
| XV1400000 | 15 | Y | Y | Y | Y | TOLUOL |
| FJ4375000 | 5 | Y | N | Y | N | CELLOSOLVE ACETATE |
| EK8480000 | 5 | Y | Y | Y | Y | BUTANOL |

COMPOSITION PRINT REPORT 09/09/86
BUILDING 205 ORGANIZATION WINGFOLD REPAIR/MANPSB

NSN ==) 8010009357062 HAZ CODE ==) U ITEM NAME ==) LACQUER,ACRYLIC
MILL SPEC ==) MIL-L-81352 FSCM ==) 61196 MGF NAME ==) PRATT AND LAMBERT
HEALTH HAZARD (OVEREXPOSURE)
INHALATION-ANESTHETIC,IRRITATION OF RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION

POTENTIAL HAZARD
Y OR N  QUANTITY USED 10 gns/mo  DISPOSAL METHOD in process

| NIOSH | PERCENT | INH | ABS | ING | CON | NIOSH NAME |
|---|---|---|---|---|---|---|
| GV7875000 | 25 | Y | N | Y | Y | CYCLOHEXANOL (5-10%) |
| PM7780000 | 52.2 | Y | Y | Y | Y | METHYL ETHYL KETONE |


52.2320(d) EPA approved source specific regulations