



ROSEMOUNT SOLVENT DISPOSAL 1971 - SUMMARY

| <u>MONTH</u> | <u>QUANTITY (GAL)</u> | <u>STORED</u> | <u>BURNED</u> |
|--------------|-----------------------|---------------|---------------|
| Jan.         | 567                   |               | X             |
| Feb.         | 551                   |               | X             |
| Mar.         | 467                   |               | X             |
| Apr.         | 886                   |               | X             |
| May          | 476                   |               | X             |
| June         | 437                   |               | X             |
|              | 1                     | X             |               |
| July         | 1030                  |               | X             |
| Aug.         | 547                   |               | X             |
| Sept.        | 375                   |               | X             |
| Oct.         | 808                   |               | X             |
| Nov.         | 369                   |               | X             |
|              | 20                    | X             |               |
| Dec.         | 429                   |               | X             |

Monthly Average Burned Solvent - 578 Gallons (600 Including Oil)

Yearly Totals - 6942 Gal. Solvent Burned in 1971  
 7451 Gal. Solvent Burned in 1970  
 6606 Gal. Solvent Burned in 1969

54 Gal. Chemicals Stored  
 270 Gal. Oil Burned  
 14 Cylinders Stored  
 Approximately 215 Gal. Pesticides Stored  
 Approximately 1525 Pounds Pesticides Stored - 130<sup>lb</sup>/Mo.  
 600 Gal/Mo. Oil and Solvent Burned; 25 Gal/Mo. Stored

1971 ROSEMOUNT CHEMICAL AND HAZARDOUS WASTE DISPOSAL

| <u>MONTH</u>       | <u>QUANTITY</u> | <u>DESCRIPTION</u> | <u>DISPOSAL METHODS</u> |
|--------------------|-----------------|--------------------|-------------------------|
| <u>January</u> 1/8 | 156 gal.        | Solvent            | Burned                  |
|                    | 1 gal.          | Acid               | Stored                  |
|                    | ?               | Poison             | Stored                  |
| 1/15               | 149 gal.        | Solvent            | Burned                  |
| 1/22               | 113 gal.        | Solvent            | Burned                  |
|                    | ?               | Acid               | Stored                  |
| 1/29               | 149 gal.        | Solvent            | Burned                  |
|                    | 6 gal.          | Chemicals          | Stored                  |
| <u>TOTALS:</u>     | 567 gal.        | Solvent            | Burned                  |
|                    | 8 gal.          | Chemicals          | Stored                  |

1971 ROSEMOUNT CHEMICAL AND HAZARDOUS WASTE DISPOSAL (Con't)

| <u>MONTH</u>    | <u>QUANTITY</u> | <u>DESCRIPTION</u> | <u>DISPOSAL METHODS</u> |
|-----------------|-----------------|--------------------|-------------------------|
| <u>February</u> |                 |                    |                         |
| 2/12            | 311 gal.        | Solvent            | Burned                  |
| 2/19            | 71 gal.         | Solvent            | Burned                  |
| 2/26            | 169 gal.        | Solvent            | Burned                  |
| <u>TOTALS:</u>  | 551 gal.        | Solvent            | Burned                  |
| <u>March</u>    |                 |                    |                         |
| 3/12            | 6 gal.          | Cylinders          | Stored                  |
| 3/12            | 84 gal.         | Solvent            | Burned                  |
|                 | ?               | Pesticides         | Stored                  |
| 3/19            | 126 gal.        | Solvent            | Burned                  |
| 3/26            | 257 gal.        | Solvent            | Burned                  |
| <u>TOTALS:</u>  | 467 gal.        | Solvent            | Burned                  |
| <u>April</u>    |                 |                    |                         |
| 4/2             | 217 gal.        | Solvent            | Burned                  |
| 4/8             | 175 gal.        | Pesticides         | Stored                  |
| 4/15            | 145 gal.        | Solvent            | Burned                  |
| 4/8             | 57 gal.         | Solvent            | Burned                  |
|                 | 70 gal.         | Oil                | Burned                  |
|                 | 35 gal.         | Pesticide          | Stored                  |
| 4/16            | 246 gal.        | Solvent            | Burned                  |
| 4/23            | 68 gal.         | Solvent            | Burned                  |
|                 | 1 qt.           | Chemical           | Burned                  |
| 4/30            | 153 gal.        | Solvent            | Burned                  |
| <u>TOTALS:</u>  | 886 gal.        | Solvent            | Burned                  |
|                 | 70 gal.         | Oil                | Burned                  |
|                 | 210 gal.        | Pesticides         | Stored                  |
|                 | 1 qt.           | Chemical           | Burned                  |
| <u>May</u>      |                 |                    |                         |
| 5/7             | 69 gal.         | Solvent            | Burned                  |
|                 | 3 ctr.          | ?                  | Stored                  |
| 5/14            | 103 gal.        | Solvent            | Burned                  |
|                 | 3               | Cylinders          | Stored                  |
| 5/21            | 214 gal.        | Solvent            | Burned                  |
| 5/28            | 90 gal.         | Solvent            | Burned                  |
|                 | 5 gal.          | Cylinders          | Stored                  |
| <u>TOTALS:</u>  | 476 gal.        | Solvent            | Burned                  |
|                 | 3 gal.          | Cylinders          | Stored                  |
|                 | 5 gal.          | Cylinders          | Stored                  |

1971 ROSEMOUNT CHEMICAL AND HAZARDOUS WASTE DISPOSAL (Con't)

| <u>MONTH</u>   | <u>QUANTITY</u> | <u>DESCRIPTION</u> | <u>DISPOSAL METHODS</u> |
|----------------|-----------------|--------------------|-------------------------|
| <u>June</u>    |                 |                    |                         |
| 6/4            | 106 gal.        | Solvent            | Burned                  |
|                | 50 gal.         | Oil                | Burned                  |
| 6/11           | 209 gal.        | Solvent            | Burned                  |
|                | 1 gal.          | Ether              | Stored                  |
|                | 25 lbs.         | Pesticides         | Stored                  |
| 6/25           | 122 gal.        | Solvent            | Burned                  |
|                | 11 gal.         | Chemicals          | Stored                  |
| <u>TOTALS:</u> | 437 gal.        | Solvent            | Burned                  |
|                | 50 gal.         | Oil                | Burned                  |
|                | 25 lbs.         | Pesticides         | Stored                  |
|                | 1 gal.          | Ether              | Stored                  |
|                | 11 gal.         | Chemicals          | Stored                  |
| <u>July</u>    |                 |                    |                         |
| 7/2            | 152 gal.        | Solvent            | Burned                  |
|                | ?               | Chemical           | Burned                  |
| 7/9            | 243 gal.        | Solvent            | Burned                  |
| 7/16           | 158 gal.        | Solvent            | Burned                  |
| 7/18           | 159 gal.        | Solvent            | Burned                  |
| 7/23           | 182 gal.        | Solvent            | Burned                  |
| 7/30           | 136 gal.        | Solvent            | Burned                  |
|                | 5               | Cylinders          | Stored                  |
|                | 1 bottle        | ?                  | Burned                  |
| <u>TOTALS:</u> | 1030 gal.       | Solvent            | Burned                  |
|                | 5               | Cylinders          | Stored                  |
|                | ?               | Chemical           | Burned                  |
| <u>August</u>  |                 |                    |                         |
| 8/6            | 158 gal.        | Solvent            | Burned                  |
|                | ?               | Chemical           | Burned                  |
| 8/13           | 165 gal.        | Solvent            | Burned                  |
|                | 5 gal.          | Pesticide          | Stored                  |
| 8/20           | 93 gal.         | Solvent            | Burned                  |
| 8/27           | 131 gal.        | Solvent            | Burned                  |
| <u>TOTALS:</u> | 547 gal.        | Solvent            | Burned                  |
|                | 5 gal.          | Pesticides         | Stored                  |
|                | ?               | Chemical           | Burned                  |

1971 ROSEMOUNT CHEMICAL AND HAZARDOUS WASTE DISPOSAL (Con't)

| <u>MONTH</u>     | <u>QUANTITY</u> | <u>DESCRIPTION</u> | <u>DISPOSAL METHODS</u> |
|------------------|-----------------|--------------------|-------------------------|
| <u>September</u> |                 |                    |                         |
| 9/3              | 121 gal.        | Solvent            | Burned                  |
|                  | ?               | Chemical           | Burned                  |
|                  | ?               | Pesticides         | Stored                  |
| 9/10             | 154 gal.        | Solvent            | Burned                  |
| 9/24             | 100 gal.        | Solvent            | Burned                  |
| <u>TOTALS:</u>   | 375 gal.        | Solvent            | Burned                  |
|                  | ?               | Chemical           | Burned                  |
|                  | ?               | Pesticides         | Stored                  |
| <u>October</u>   |                 |                    |                         |
| 10/1             | 170 gal.        | Solvent            | Burned                  |
|                  | ?               | Chemical           | Stored                  |
|                  | 1 gal.          | Chemical           | Burned                  |
| 10/9             | 192 gal.        | Solvent            | Burned                  |
| 10/15            | 163 gal.        | Solvent            | Burned                  |
| 10/22            | 203 gal.        | Solvent            | Burned                  |
|                  | 150 gal.        | Oil                | Burned                  |
| 10/29            | 80 gal.         | Solvent            | Burned                  |
|                  | 3 ctrs.         | ?                  | Stored                  |
| <u>TOTALS:</u>   | 808 gal.        | Solvent            | Burned                  |
|                  | 1 gal.          | Chemical           | Burned                  |
|                  | ?               | Chemical           | Stored                  |
|                  | 3 ctr.          | ?                  | Stored                  |
|                  | 150 gal.        | Oil                | Burned                  |
| <u>November</u>  |                 |                    |                         |
| 11/5             | 122 gal.        | Solvent            | Burned                  |
|                  | 1 bottle        | ?                  | Stored                  |
| 11/12            | 124 gal.        | Solvent            | Burned                  |
|                  | 1500 lbs.       | Pesticides         | Stored                  |
| 11/19            | 123 gal.        | Solvent            | Burned                  |
|                  | 20 gal.         | Solvent            | Stored                  |
|                  | 2 pks.          | ?                  | Stored                  |
| <u>TOTALS:</u>   | 369 gals.       | Solvent            | Burned                  |
|                  | 20 gals.        | Solvent            | Stored                  |
|                  | 1500 lbs.       | Pesticides         | Stored                  |
|                  | ?               | ?                  | Stored                  |

1971 ROSEMOUNT CHEMICAL AND HAZARDOUS WASTE DISPOSAL (CON'T)

| <u>MONTH</u>   | <u>QUANTITY</u> | <u>DESCRIPTION</u> | <u>DISPOSAL METHODS</u> |
|----------------|-----------------|--------------------|-------------------------|
| December       |                 |                    |                         |
| 12/3           | 184 gal.        | Solvent            | Burned                  |
|                | 10 gal.         | Chemicals          | Stored                  |
| 12/10          | 131 gal.        | Solvent            | Burned                  |
|                | 20 gal.         | Chemicals          | Stored                  |
| 12/17          | 114 gal.        | Solvent            | Burned                  |
|                | ?               | Pesticide          | Stored                  |
| <u>TOTALS:</u> | 429 gal.        | Solvent            | Burned                  |
|                | 30 gal.         | Chemicals          | Stored                  |
|                | ?               | Pesticides         | Stored                  |

CHEMICAL AND HAZARDOUS WASTE PICK UP LOCATIONS

| <u>Bldg. No.</u> | <u>Name - Department</u>         |
|------------------|----------------------------------|
| 002              | Pillsbury - Limnology, Grology   |
| 029              | Univ. Hosp. - Excluding Mayo 074 |
| 033              | Millard Hall                     |
| 035              | Chemistry                        |
| 037              | Appleby Hall - Pharmacy          |
| 038              | Zoology                          |
| 041              | Mines Experiment Station         |
| 042              | Walter Library                   |
| 043              | Electrical Engineering           |
| 044              | Shops Building                   |
| 045              | Memorial Stadium                 |
| 047              | Botany Green House               |
| 048              | Botany                           |
| 049              | Tate Laboratory of Physics       |
| 054              | Owre Hall                        |
| 056              | Cooke Hall                       |
| 055              | Mech. - Aero. Engineering        |
| 070              | Health Service                   |
| 072              | Bierman Field Buildings          |
| 074              | Mayo Complex                     |
| 077              | Peik Hall                        |
| 079              | Lyon Laboratories                |
| 096              | Shops Annex                      |
| 098              | Chemical Storehouse              |
| 100              | Poucher Building - Laundry       |
| 104              | Mines and Metallurgy             |
| 125              | Space Science Center             |
| 201              | Business Administration          |
| 307              | Botany                           |

| <u>Bldg. No.</u> | <u>Name - Department</u>          |
|------------------|-----------------------------------|
| 314              | Horticulture                      |
| 328              | Bull Barn                         |
| 338              | McNeal Hall - Home Economics      |
| 339              | Greenhouse - Rear of Botany       |
| 349              | Golf Shops and Storage            |
| 356              |                                   |
| 361              | Health Service - St. Paul         |
| 362              | Elec. Dist. Sys.                  |
| 365              | Plant Pathology                   |
| 372              | Peters Hall - Animal Science      |
| 374              | Veterinary Science                |
| 376              | Student Center - St. Paul         |
| 381              | Food Science and Industries       |
| 382              | Soils                             |
| 385              | Veterinary Medicine Research Labs |
| 383              | Crop Service                      |
| 391              | N C Forest Experiment Station     |
| 393              | Entomology, Fisheries, Wildlife   |
| 394              | Horticulture Science              |
| 395              | Palmer Classrooms Building        |
| 403              |                                   |
| 410              | Gortner Lab of Bio-Chemistry      |

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File - Rosemount Toxic & Haz  
Waste

June 10, 1974

Memorandum

From: Roger DeRoos

Subject: Meeting Relating to Disposal of Toxic and Hazardous Waste at Rosemount

On April 17, 1974, a meeting was held to discuss the operation of the toxic and hazardous waste disposal site at Rosemount. The meeting included Mr. Reid, Dr. Thompson, Dr. Pfannkuck, Dr. Pfannkuck's two laboratory assistants and me. We discussed the progress of the monitoring and the detection of organics from the suction lysimeters in the unsaturated zone down to the water table. However, there was still no detection of organics above background in water samples collected from wells used to monitor the site.

Because of the above findings it was decided to proceed as soon as possible with a plan for burning of solvents at the Pollution Controls, Inc. incinerator. On May 21, 1974, Mr. Reid informed me that on May 17, 1974, the first shipment, including nearly all of the waste collected on that Friday, was brought to the Pollution Controls, Inc. incinerator. There will still be some segregation of waste, separating explosives, pesticides, and highly toxic materials such as cyanides. Some of these materials will be stored. Other possibilities for disposal of these hazardous residuals are being explored.

In the April 17th meeting we also discussed progress on the development of a neutralization tank for acids and caustics. It was concluded from our discussion that the next step in this effort is to work out the design details of the tank.