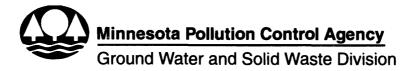
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### MINNESOTA



# Closed Landfill Program 1997 ANNUAL REPORT



# **Minnesota Closed Landfill Program**

### **1997 ANNUAL REPORT**

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The 106 Closed Landfills Fiscal Year 1997 Financial Summary



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#### **EXECUTIVE SUMMARY**

The 1994 Landfill Cleanup Act (Act) created Minnesota's Closed Landfill Program (Program). The Program is an alternative to Superfund for closed landfills and the first of its kind in the nation. The Minnesota Pollution Control Agency (MPCA) is required by the Act to provide a report to the legislature on past fiscal-year activities and anticipated future work. This report fulfills the requirement and covers fiscal year 1997 (FY97), which is from July 1, 1996, to June 30, 1997. The Program is in its third year and significant progress was made in a number of areas during the past year.

#### PROGRAM OVERVIEW

The MPCA is authorized under the Program to initiate cleanup actions, complete closures, take over long-term operation and maintenance and reimburse eligible parties for past cleanup costs at the 106 qualified closed state-permitted landfills.

Program entry qualifications have remained the same, with 106 landfills either in the process of, or having completed all Binding Agreement (BA) requirements. Through June 30, 1997, 80 landfills had a signed BA and 72 have received a Notice of Compliance (NOC), at which time the state typically takes over landfill operations and maintenance.

#### **Program Accomplishments**

The following list summarizes Program accomplishments through FY97:

- •80 Binding Agreements signed:
- •72 Notices of Compliance issued;
- •14 Reimbursements to landfill owners/ operators and responsible parties totaling \$14 million;
- •5 EPA site reimbursements totaling/ \$178,167;

- •28 construction designs underway/completed;
- 21 construction projects underway/ completed.

#### **FUNDING**

Funding for the Program has or will come from five sources of revenue: 1) solid waste assessment fees (these fees also fund other Ground Water and Solid Waste Division activities), 2) up to \$90 million in state general obligation bonds, 3) funds transferred from the financial assurance accounts of closed landfills, 4) a one-time transfer of funds from the Metropolitan Landfill Contingency Action Trust Fund, and 5) future settlements from landfill-related insurance policies.

| Table 1: Income FY97          | -            |
|-------------------------------|--------------|
| Internal Exercis              | Append       |
| Solid Waste Fees FY97         | \$21,389,995 |
| Carryover FY96                | \$23,254,000 |
| Investment                    | \$1,383,001  |
| Financial Assurance           | \$1,092,830  |
| Insurance                     | \$0          |
| Other                         | \$787        |
| Sub Total                     | \$47,120,613 |
| Bond Authority Available FY97 | \$12,500,000 |
| Total Income Available        | \$59,620,613 |

#### **Bond & Fee Dollars**

The legislature authorized up to \$90 million in state general-obligation bond funds to be used for design and construction work at public landfills over a minimum 10-year period beginning in FY95. Bond funds available for the first three years of the Program were: \$2 million in FY95, \$8 million in FY96 and \$12.5 million in FY97. Bond funds used through FY97 total \$18 million. New bond funds available for FY98 are \$12.5 million. Obligations for existing construction contracts and projections for construction in FY98 estimate an expenditure of bond funds totaling \$10 million through FY98.

The solid-waste assessment fee is currently 60 cents per uncompacted cubic yard for commercial users and \$2 per year for residential users. Fees are generally collected by haulers who collect waste in the state and remit the fees to the Department of Revenue for deposit in the Solid Waste Fund. Fees are also included for demolition debris, medical waste and some industrial waste. Total solid-waste assessment fees collected in FY97 are \$21,389,995 (versus \$20,085,643 in FY96). The existing Solid Waste Generator Assessment (SWGA) is being repealed on January 1, 1998, and replaced with roughly half of expected revenues from the new Solid Waste Management Tax for the remainder of the fiscal year. The new law is drafted such that the Solid Waste Fund is assured revenues of at least \$22 million per year. This "floor" is about midway between current revenue figures and the originally anticipated projections of the SWGA.

#### **Insurance Recovery**

In FY97, the MPCA and Attorney General's Office initiated settlement offers with insurance carriers with funds going toward Program activities. Already more than \$1 million has been collected in FY98 and additional settlements are anticipated (see additional information on page 4).

### Financial Assurance In FY97, the owners, operat

In FY97, the owners, operators or other parties associated with five landfills sent a total of \$1,092,829.70 to the Department of Revenue for deposit in the Solid Waste Fund as required by law or through state requests (see Table 2). Since inception of the Program, the owners or operators of 12 landfills have submitted a total of \$4,436,889 for deposit in the Solid Waste Fund.

#### **EXPENDITURES**

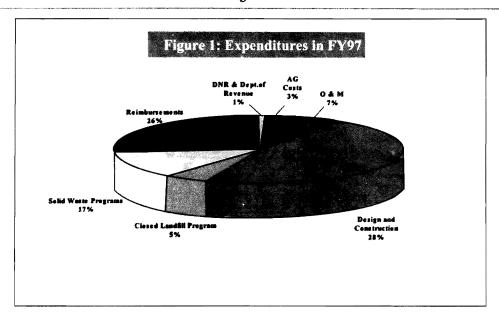
MPCA Closed Landfill Program expenditures are primarily for design, construction, operation and maintenance costs of landfills, reimbursements and administration (see Table 3 below and Figure 1 on page 3).

| Table 3: Expenditures in FY97 |              |  |  |
|-------------------------------|--------------|--|--|
| Expenditures                  | FY97         |  |  |
| Solid Waste Programs          | \$3,665,852  |  |  |
| Closed Landfill Program Adm.  | \$1,398,537  |  |  |
| Design and Construction       | \$13,038,499 |  |  |
| O & M                         | \$1,961,580  |  |  |
| MPCA SW Legal                 | \$383,000    |  |  |
| insurance Recovery            | \$246,153    |  |  |
| Dept. Revenue                 | \$48,000     |  |  |
| Dept. Natural Resources (DNR) | \$100,000    |  |  |
| EPA Reimbursement             | \$138,167    |  |  |
| State Reimbursements          | \$7,000,000  |  |  |
| Total                         | \$27,979,788 |  |  |

| Table 2: Financial  | Assurance    | SHE ALK          |
|---------------------|--------------|------------------|
| Financial Assurance | e Revenue Co | illected in FY97 |
| Bource              | Date         | Amount           |
| Chippewa Co.        | Dec-96       | \$362,515.71     |
| Dakota Co.          | Dec-96       | \$157,411.00     |
| French Lake SLF     | Dec-96       | \$1,571.44       |
| Meeker Co. SLF      | Nov-96       | \$378,001.82     |
| Paynesville SLF     | Aug-96       | \$89,025.73      |
| Redwood Co. SLF     | Jul-96       | \$81,688.64      |
| Stearns Co.         | Aug-96       | \$22,615.37      |
| Total               |              | \$1,092,829.70   |

#### Reimbursement

The deadline to file a reimbursement claim with the MPCA was October 15, 1996. Presently, there are 16 reimbursement claims that have met all Program requirements and final dollar amounts have been approved. Reimbursement claims for Ironwood and Flying Cloud Sanitary Landfills, were determined to be either ineligible or those claims have been waived. The MPCA issued \$7 million in reimbursement payments to landfill



owners, operators and responsible parties on December 1, 1996. An additional \$138,166.67 was reimbursed to the U.S. Environmental Protection Agency (EPA) for three landfills associated with past federal Superfund actions (see tables 4 and 5).

| Table 4: Total Amounts Approved and FY97 Reimbursement |                   |                    |                           |              |
|--|-------------------|--------------------|---------------------------|--------------|
| Landilli   | Total Approved Pr | est Reimbursements | FY97 Relimburaciment      | Remainder    |
| Anoka.   | \$5,150,000       | \$0                | \$0                       | \$5,150,000  |
| Becker Co.   | \$146,200         | \$0                | \$21,296                  | \$124,905    |
| Crosby American  | \$1,413,379       | \$0                | \$205,873                 | \$1,207,506  |
| East Bethel  | \$4,079,443       | \$1,088,287        | \$854,949                 | \$2,136,207  |
| Hanson   | \$488,964         | \$62,705           | \$121,836                 | \$304,424    |
| Hopkins  | \$650,000         | \$6                | \$0                       | \$650,000    |
| Houston Co.  | \$104,902         | \$0                | \$0                       | \$104,902    |
| Isanti/Chisago   | \$282,644         | \$63,734           | <b>\$</b> 31, <b>88</b> 6 | \$187,024    |
| Kluver   | \$563,040         | \$150,874          | \$117,808                 | \$294,358    |
| Kummer   | \$3,024,564       | \$811,991          | <b>\$</b> 632,410         | \$1,580,162  |
| Oak Grove  | \$5,994,745       | \$735,682          | \$1,581,569               | \$4,198,251  |
| Olmsted (w.  | \$2,151,107       | \$478,773          | \$243,592                 | \$1,428,742  |
| Sauk Center  | \$234,229         | \$52,816           | \$26,425                  | \$154,988    |
| St. Augusta  | \$529,454         | \$67,897           | \$131,925                 | \$329,632    |
| Washington Co.   | \$3,085,415       | \$269,835          | \$422,052                 | \$2,393,529  |
| WDE  | \$12,343,183      | \$3,217,407        | \$2,608,381               | \$6,517,395  |
| Totals   | \$40,241,269      | \$7,000,000        | \$7,000,000               | \$26,762,025 |



| Table 5: EPA Reimbursement |                |                     |                    |             |
|----------------------------|----------------|---------------------|--------------------|-------------|
| Landfill                   | Total Approved | Past Reimbursements | FY97 Reimbursement | Remainder   |
| Dakhue                     | \$2,767,500    | \$0                 | \$0                | \$2,767,500 |
| Freeway                    | \$17,000       | \$0                 | \$0                | \$17,000    |
| Crosby American            | \$18,000       | \$0                 | \$0                | \$18,000    |
| East Bethel                | \$21,000       | \$21,000            | \$0                | \$0         |
| LaGrande                   | \$766,000      | \$0                 | \$0                | \$766,000   |
| Oak Grove                  | \$304,000      | \$0                 | \$50,667           | \$253,333   |
| Olmsted                    | \$19,000       | \$19,000            | \$0                | \$0         |
| St Augusta                 | \$37,500       | \$0                 | \$37,500           | \$0         |
| Washington Co.             | \$50,000       | \$0                 | \$50,000           | \$0         |
| Totals                     | \$4,000,000    | \$40,000            | \$138,167          | \$3,821,833 |

The MPCA anticipates making nearly \$7 million in reimbursement payments on December 1, 1997. EPA reimbursement is expected to be approximately \$775,000.

# FISCAL TRACKING OF LANDFILLS (COST CODES)

FY97 expenditures for each landfill are itemized in the appendix.

# INSURANCE RECOVERY EFFORT

#### **INSURANCE STUDY**

Under the Insurance Recovery Act (Minn. Stat. ch. 115B.441 - 115B.445) (Act), the MPCA and the Attorney General's Office have been working cooperatively to gather insurance policy and disposal information regarding businesses which disposed of waste at the 106 qualified landfills. This policy information in conjunction with past, present and future costs estimated by the MPCA and associated with these 106 qualified landfills is being used to achieve settlement agreements with individual insurance carriers.

#### **Information Gathering**

The estimated past and future costs at 22 landfills, which represent at least 60 percent of the Program costs, have been targeted by the MPCA in order to gather insurance and disposal information and to fulfill legal requirements. Identification and information gathering regarding these landfills will allow the MPCA and Attorney General's Office to provide "global" settlement offers to insurance carriers at all 106 landfills.

#### **Cost Estimation**

The current total estimated amount of environmental response costs incurred and projected to be incurred by the state is identified in one of the following two categories:

- 1. Landfill-specific "fixed" costs as anticipated in the "Cost Estimates" section of the MPCA 1994 "Landfill Site Assessment Report" actual remediation costs incurred to date and reimbursement amounts.
- 2. Anticipated "risk" cost projections based on additional remedies needed to correct environmental problems as discussed in the 1994 MPCA "Landfill Site Assessment Report."

### Insui Ince Carrier Allocation and Settlement

A proposed liability-based method for allocating "fixed" and "risk" costs to insurance carriers has been developed by the MPCA and sent to insurance carriers for comment. Also, "fixed" and "risk" costs estimated at the Oak Grove Landfill have been allocated and offers sent to more than 44 insurance carriers of businesses found to be associated with that landfill. Negotiations are expected to begin with the insurance carriers identified at the Oak Grove Landfill by the end of 1997 with lessons learned from these negotiations being used as the template for all future negotiations with the more than one hundred insurance carriers found to be associated with these landfills.

In addition, the MPCA and Attorney General's Office have adopted a separate approach for bankrupt insurance carrier groups. To date, the MPCA has collected over \$1 million in settlement from one bankrupt insurance carrier but anticipates additional settlements as allocated shares at Oak Grove are negotiated and additional insurance carriers in liquidation begin to settle the state's claims.

#### **Natural Resource Damages**

Under the Act, insurance carriers may request that natural resource damages (NRD) be included in any settlement with that insurance carrier. The MPCA, after developing a proposed method to calculate NRD at affected landfills, is currently meeting with the Department of Natural Resources (DNR), the co-trustee of Minnesota's natural resources, regarding DNR's involvement in the NRD calculation and insurance settlement process. It is anticipated that a memorandum of understanding will be developed which memorializes the interaction of the MPCA and DNR regarding the settlement process, as well as collection, deposit and expenditure of any natural resource damage settlements where the Act.

#### **Information Dissemination**

The MPCA has placed all information regarding

the Insurance Recovery Effort activities including fact sheets, proposed methods of allocation, and landfill cost identification on its internet site: www.pca.state.mn.us. This enables this information to be reviewed by insurance carriers, consultants and reporters in order to help them to understand the emphasis of the Insurance Recovery Effort as well as remain current regarding MPCA activities in this area.

The MPCA and the Attorney General's Office, either jointly or separately, have issued several press releases notifying businesses and insurance carriers of the Act, their responsibilities under the Act and settlements. This information dissemination is crucial to enabling the business community in Minnesota to realize the benefits the Act provides to them when they provide complete information as well as keeping insurance carriers informed concerning MPCA activities.

#### **Future Activities**

Based on the current pace of information gathering activities, it is estimated that the MPCA will receive information concerning an estimated 50,000 - 80,000 general liability and excess insurance policies from more than 5,000 businesses associated with these qualified landfills by the end of 1997. It is anticipated that several insurance carriers, both bankrupt and currently operating, will conclude settlement negotiations and reach settlement agreements with the MPCA during the remainder of fiscal year 1998.

# 1997 LEGISLATIVE SESSION

#### Solid Waste Management Tax

Beginning on January 1, 1998, the principal funding source of the Program will switch from a free-standing fee to part of a broader wastemanagement tax.

This change is contained in a bill (Article 13 of Chapter 231, Regular Session Laws 1997) passed



by the Legislature in May 1997, which was supported by the waste industry and county governments as a means of streamlining the collection and adminition of revenues now being collected to pay . the Program and other solid-waste management efforts administered through the MPCA and the Minnesota Office of Environmental Assistance. Taken together, these programs now receive a total of about \$43 million per year through the Solid Waste Generator Assessment Fee and sales taxes on collection of mixed-municipal solid waste (MMSW). The new tax is intended to provide a comparable level of funding for the programs, while consolidating the means of collection into a unified "solid waste management tax." The new legislation:

- Repeals the current 6.5 percent sales tax on MMSW collection and disposal services.
- Repeals the \$2-per-household-per-year fee on households having MMSW collection.
- Repeals the 60-cents-per-cubic-yard fee now levied on trash-container volume at businesses and institutions that generate mixed-municipal solid waste.
- Retains the 60-cents-per-cubic-yard rate on container volume, levied on generators of construction debris, medical-pathological waste and industrial waste.
- Creates a new tax of 9.75 percent on MMSW collection and disposal services at households.
- Creates a new tax of 17 percent on MMSW collection and disposal services at businesses and institutions.

#### **Benton County Reimbursement**

In the Environmental Agencies Budget Bill that was passed in the 1997 regular session (Minnesota Session Laws Chapter 216), the Minnesota Legislature directed the MPCA to pay \$85,000 to Benton County from the Solid Waste Fund during FY98. This money is to defray one year of principal payments due on bonds that were issued in 1994 by Benton County to pay the costs of a \$1.475 million settlement by Benton County local governments following a suit by Morrison

County for a share of its cleanup costs at the Greater Morrison Sanitary Landfill. (Proponents of the bill cited the fact that despite urging by Benton County local governments, who had once participated in the management of the landfill but later left the board, the Greater Morrison Sanitary Landfill did not close in 1994 to meet the deadline of entry into the Program. This left parties like Benton County and its cities outside of any reimbursement they otherwise might have been eligible for under the Closed Landfill Program.) A brief Grant Agreement was signed by all parties on October 9, 1997, to reflect the statutory requirements and the \$85,000 payment was finalized.

#### Other Issues

The 1997 law also required a report by the MPCA, due on January 15, 1998, regarding the estimated impact of including open-permitted mixed-municipal solid waste landfills in the Program, after the landfills close. The report will also provide a brief examination of the old closed dump issue given that subject's continuing discussion. The legislation did not commit to an expansion, nor to offering Solid Waste Fund payments to Benton County after FY98. Barring any changes in legislation, the Program will continue to work on cleanup and O&M of qualified closed landfills and will strive to have signed BAs for all 106 landfills during FY98. In addition, the MPCA will continue to provide information to other states, the federal government and the media as to the accomplishments and successes of the Program.

#### **PROGRAM ACTIVITIES**

# Binding Agreements/Notices of Compliance

To date, the Program has successfully signed 80 Binding Agreements and issued 72 Notices of Compliance. Table 6 indicates those landfills which had documents executed during FY97. Note: Some landfills that received Notices of

| Table 6: Binding Agreen  | nents/Notices o                                  | f Compliance |
|--------------------------|--|--------------|
|                          | Blinding   | National     |
| Lendill                  | Agreement  | Compliance   |
| Aitkin Area              | *  | *            |
| Albert Lea               | -  | <b>A</b>     |
| Barnesville              |  | •            |
| Battle Lake              |  | *            |
| Becker Co.               |  | *            |
| Big Stone Co.            | *  | •            |
| Bueckers #1              |  | •            |
| Bueckers #2              |  | *            |
| Carlton Co. #2           | *  | *            |
| Carlton Co. South        | 1-   | *            |
| Chippewa Co.             | •  |              |
| Crosby                   | •  |              |
| Crosby Am. Prop.         | •  | •            |
| Dakhue                   | •  | *            |
| Faribault                | <del>                                     </del> | •            |
| French Lake              | <del> </del>                                     |              |
| Grand Rapids Area        | <del>                                     </del> | •            |
| Hibbing                  |  |              |
| Hickory Grove            | *  |              |
| Highway 77               |  | *            |
| Hopkins                  |  | *            |
| Iron Range               |  | •            |
| Karlstad                 |  | ,            |
| Korf Bros.               |  |              |
| LaGrande                 |  | *            |
| Lake Co.                 | #  |              |
| Landfill Investors, Inc. |  |              |
| Leech Lake               | •  | *            |
| Mahnomen Co.             |  | *            |
| Mankato                  |  | *            |
| McKinley                 |  |              |
| Meeker Co.               |  |              |
| Red Rock                 |  | •            |
| Redwood Co.              |  |              |
| Rock Co.                 |  |              |
| Stevens Co.              |  |              |
| Wabasha Co.              |  | <del></del>  |
| Wadena                   |  | <del></del>  |
| Washington Co.           |  |              |
|                          |  |              |
| Watonwan Co.             |  | -            |
| Yellow Medicine Co.      | _  |              |
|                          |  |              |

Compliance in FY97 signed Binding Agreements in previous years.

# **Deletion of Qualified Landfills from the National List of Priorities**

# (NPL) and Permanent List of Priorities (PLP).

To date, the Program has removed eight closed landfills from the NPL (Federal Superfund List). The following "qualified landfills" were deleted from the NPL in FY97:

Oak Grove Sanitary Landfill St. Augusta Sanitary Landfill

To date, the Program has removed 32 closed landfills from the PLP (State Superfund List). The following "qualified landfills" were delisted from the PLP in FY97:

Becker County Sanitary Landfill

Bueckers Sanitary Landfill #1

Crosby American Demolition Landfill

Dakhue Sanitary Landfill

Grand Rapids Area Sanitary Landfill

Hanson and Mankato Sanitary Landfills

Hopkins Sanitary Landfill

Karlstad Sanitary Landfill

Korf Bros. Sanitary Landfill

La Grande Sanitary Landfill

Leech Lake Sanitary Landfill

Meeker County Sanitary Landfill

Red Rock Sanitary Landfill

Redwood County Sanitary Landfill

Wadena Sanitary Landfill

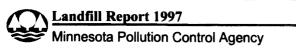
#### **Annual Reports**

Every fiscal year, the MPCA site teams prepare an annual report for each landfill in the Program. The annual report is divided into three sections: 1) a Site Background contains basic information on the landfill; 2) an Engineering Summary discusses cover maintenance/construction, leachate management and monitoring, and landfill gas management and monitoring; and 3) a Ground Water Monitoring and Remediation Summary. Activities conducted, data gathered and recommendations are noted to provide a continuing "file" on each site that reflects changes over time.

#### **Contstruction Activity**

Table 7 is a summary of constuction activity for FY97.

| Table 7: Construct           | ion Activity fo | r FY97   |                    |                     |                           |
|------------------------------|-----------------|--|--------------------|---------------------|---------------------------|
|                              |                 |  |                    | Construction        |                           |
|                              | MPCA            | Landfill Construction                                      | Design &           | Contractor          | Construction<br>Compation |
| Landfill                     | Classification  | Activities   | Oversight<br>Costs | Contractor<br>Costs | D.CO                      |
| Battle Lake                  | В               | Construct 8 acre cover                                     |                    |                     |                           |
|                              | _               | Install passive gas system                                 | \$27,364           | \$0                 | Oct-9                     |
| Becker County                | A               | Construct 20 acre cover                                    | 42.,00.            |                     |                           |
| ·                            |                 | Install active gas system                                  |                    |                     |                           |
|                              |                 | Install enclosed flare                                     | \$56,572           | \$155,320           | Sep-9                     |
| Crosby                       | В               | Construct 8 acre cover                                     |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$59,498           | \$320,483           | Sep-97                    |
| Freeway                      | В               | Construct 158 acre cover                                   |                    |                     |                           |
|                              |                 | Install active gas system                                  | \$900              | \$0                 | Nov-95                    |
| French Lake                  | A               | Move farm buildings  |                    |                     |                           |
|                              |                 | Construct 7 acre cover                                     |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$61,834           | <b>\$</b> 513,200   | Nov-96                    |
| Hopkins                      | Α               | Install active gas system                                  |                    | 2004.074            | A 04                      |
| Liousian Osumbi              | В               | Install enclosed flare Construct 6 acre cover              | \$15,577           | \$204,371           | Aug-96                    |
| Houston County               | l B             |  | \$10,866           | \$o                 | Nov. Of                   |
| Korf Bros.                   | В               | Install passive gas system  Construct 20 acre cover        | \$10,000           | 30                  | Nov-96                    |
| Non bros.                    | <b>B</b>        | Install passive gas system                                 | \$125,320          | \$1,906,221         | Aug-97                    |
| Kummer                       | В               | Ground Water Cleanup System                                | <b>\$120,020</b>   | Ψ1,300,221          |                           |
|                              |                 | Land Purchase  | \$67.823           | \$87,443            | Nov-97                    |
| Land Investors               | A               | Move 25,000 yds. of waste to St.                           | <b>V3.7,000</b>    | <b>V</b> 0.,0       |                           |
|                              |                 | Augusta  | \$37,066           | \$188,270           | Nov-96                    |
| Leech Lake                   | В               | Construct 20 acre cover                                    |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$37,465           | \$0                 | Oct-97                    |
| Lindala                      | В               | Construct 13 acre cover                                    |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$41,560           | \$27,136            | Oct-96                    |
| Mankato                      | В               | Construct 12 acre cover                                    |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$26,155           | \$0                 | C t-97                    |
| Oak Grove                    | D               | Land Purchase  |                    |                     |                           |
|                              |                 | Demolition   | \$6,152            | \$336,718           | Jun-97                    |
| Paynesville                  | Α               | Construct 13 acre cover                                    |                    |                     |                           |
|                              |                 | Install passive gas system                                 | \$59,412           | \$698,922           | Oct-96                    |
| Pickett                      | A               | Construct 10 acre cover                                    | ****               |                     |                           |
| Discolance in a sla Counties | В               | Install passive gas system                                 | \$25,894           | \$435,263           | Sep-96                    |
| Pipestone/Linchin Counties   | В               | Move 68,000 cy from Lincoln Co.<br>Construct 10 acre cover | ŀ                  |                     |                           |
|                              |                 | Install passive gas system                                 | \$81,924           | \$176,252           | Sep-96                    |
| Red Rock/Adams               | A               | Move 42,000 cy from Adams                                  | \$01,324           | \$170,202           | 367-30                    |
| I VOU I VOUVAUGIIIS          | <b>^</b>        | Construct 42 acre cover                                    |                    |                     |                           |
|                              |                 | Install passive gas system                                 |                    | ľ                   |                           |
|                              |                 | Land Purchase  | \$193,960          | \$3,047,768         | <b>Jul-9</b> 7            |
| St. Augusta                  | В               | Construct 45 acre cover                                    | 4.03,000           | 40,0,1, 00          |                           |
|                              |                 | Install passive gas system                                 | \$123,440          | \$728,832           | Nov-97                    |
| Wadena                       | В               | Remove barrels   |                    |                     |                           |
|                              |                 | Construct 15 acre cover                                    | •                  |                     |                           |
|                              |                 | Install passive gas system                                 | \$118,614          | \$877,309           | Nov-97                    |
| Washington County            | Α               | Construct 38 acre cover                                    |                    |                     |                           |
|                              |                 | Install active gas system                                  |                    |                     |                           |
|                              |                 | Install enclosed flare                                     | \$129,979          | \$1,992,290         | Jun-97                    |
| WOE                          | Α               | Construct active gas system                                | \$11,527           | \$0                 | Aug-98                    |
| Yellow Medicine County       | С               | Assist County in closure via                               | 647.070            |                     | 4.1.00                    |
| Total .                      |                 | contractor oversight                                       | \$17,279           | County              | Jul-97                    |



#### **Operation & Maintenance (O&M)**

Once the MPCA takes responsibility for a site, the general O&M of the facility is contracted. The contract is primarily for mowing and erosion control of the landfill cover system, but also allows for fence repair, gate installation, signs or other miscellaneous maintenance type work that is requested by the MPCA site team. In addition, there are regional sampling and analytical contracts for monitoring of the sites.

There is also a technical O&M contract in place so that contractors with specific technical expertise maintain and operate complex site-remediation systems. Landfill gas flares, ground water treatment and leachate collection systems are covered by this contract. There are approximately 14 landfills that currently have some type of remediation system requiring technical service.

As more construction projects are completed and the remaining eligible sites are brought into the Program, the amount of O&M work will significantly increase. It is anticipated that by the year 2001, O&M will account for over 50 percent of Program contract expenditures.

#### **Land Management Plans**

As stated in previous Program Annual Reports, the issue of establishing Land Management Plans for landfills has primarily been addressed through conditions and restrictions in the Binding Agreement. As the workload of Binding Agreements and long-range MPCA-wide planning is reduced, work on long-term Program issues such as land management plans will increase.

#### **Priority List Rescoring**

According to the Landfill Cleanup Act, the MPCA must update the priority list each FY to reflect any changes due to monitoring and remediation activities. The classification and score for each landfill in the Program is found in

| Table 8: Rescored Landfills in FY97 |             |      |  |  |
|-------------------------------------|-------------|------|--|--|
| Site Name                           | Clase/Score |      |  |  |
| Red Rock                            | A/105       | D/88 |  |  |
| Oak Grove                           | A/41        | D/13 |  |  |
| Hopkins                             | A/37        | B/8  |  |  |
| Paynesville                         | A/34        | D/7  |  |  |
| French Lake                         | A/30        | D/3  |  |  |
| Washington Co.                      | A/27        | D/5  |  |  |
| Pickett                             | A/24        | B/3  |  |  |
| Isanti/Chisago                      | A/13        | D/11 |  |  |
| East Bethel                         | B/47        | D/35 |  |  |
| Redwood                             | B/20        | C/8  |  |  |
| Mankato                             | B/19        | B/32 |  |  |
| Land Investors, inc.                | B/7         | C/5  |  |  |
| Northwoods                          | B/5         | B/9  |  |  |
| Pipestone                           | C/11        | C/8  |  |  |
| Fifty Lakes                         | <b>C7</b>   | B/7  |  |  |
| Meeker                              | D/3         | C/13 |  |  |

Appendix 1. Table 8 indicates the sites with revised classifications and scores in  $FY^{r-1}$ 

### LOOKING AHEAD TO 1998

#### **Proposed New Projects**

We anticipate the following landfills will have construction projects started during FY98 (see Figure 2):

Becker Co. (cover enhancement and

completion of active-gas system)

East Bethel (additional cover remediation)
Faribault Co. (upgraded passive-gas system)

Fifty Lakes (waste relocation, cover and

passive-gas system)

Freeway (cover and active-gas system) Houston Co. (cover and passive-gas system)

Lindala (waste relocation, cover and

passive-gas system)

Northwoods (waste relocation, cover and

passive-gas system)

WDE (active-gas system)

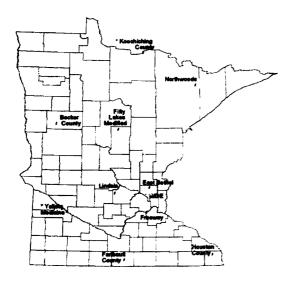
We anticipate the following landfills will proceed with additional construction work in FY98 after BAs

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Figure 2: Construction Site Locations



and county requirements are met:

Koochiching Co. (leachate-collection system)

Yellow Medicine Co. (cover and vegetation repair)

#### Landfill Gas

There are 106 qualified landfills which will eventually enter the Program and they contain approximately 76 million cubic yards of waste. The Program initially defined which landfills needed active-gas systems based on the need to control excessive gas migration or groundwater contamination. Active-gas systems remove large amounts of volitile organic compounds (VOCs) that would otherwise migrate into the groundwater. The landfills that currently have or are required to have active-gas systems to control gas migration or groundwater contamination are listed in Table 9. These 11 landfills contain about 38 million cubic yards of waste or about 50 percent of the waste in the Program.

| Table 9: Landfill (<br>or Planned | Gas Systems | Installed . |
|-----------------------------------|-------------|-------------|
|                                   |             |             |
| LANDFILL                          | WS.E        |             |
| Flying Cloud**                    | 8.0 million | 1994        |
| Anoka**                           | 5.7 million | 1990        |
| Freeway **                        | 5.0 million | 1999 est.   |
| Woodlake**                        | 3.7 million | 1993        |
| Louisville**                      | 3.7 million | 1999 est.   |
| Washington Co.                    | 2.6 million | 1996        |
| Waste Disposal Eng.               | 2.5 million | 1998 est.   |
| Oak Grove*                        | 2.5 million | 1994        |
| Hopkins                           | 1.5 million | 1996        |
| Becker Co.                        | 1.4 million | 1998 est.   |
| Tellijohn                         | 1.2 million | 1994        |

- \* Oak Grove has a small active-gas system on a portion of the landfill. This system may have to be expanded or rebuilt to enable continuing operation. Currently, gas migration is limited and no structures are affected. The system has been shut down to assess the extent of gas migration and the need for an expanded active-gas system.
- \*\* Landfills that may need active-gas systems based on U.S. Environmental Protection Agency Emission Guidelines and MPCA rules.

The need to construct additional active-gas systems to reduce contributions to global air emissions from landfills has also been considered. Listed in Table 10 are the additional landfills in the Program that contain over one million cubic yards and where sufficient gas volumes may be generated to allow for construction of an active-gas system. Currently, none of these landfills have active-gas systems.

| Table 10: Po   | tential Lan | dfill Gas Sys | tems     |
|----------------|-------------|---------------|----------|
| Mont           |             |               |          |
| Olmsted Co *   | 2.8 million | 1972-1993     | 15 years |
| Red Rock       | 1.7 million | 1958-1980     | 28 years |
| Albert Lea     | 1.7 million | 1965-1993     | 18 years |
| Pine Lane      | 1.6 million | 1972-1990     | 16 years |
| Dakhue         | 1.5 million | 1971-1988     | 18 years |
| Hibbing        | 1.4 million | 1977-1994     | 12 years |
| Lindenfelser * | 1.3 million | 1971-1989     | 17 years |
| East Bethel *  | 1,2 million | 1969-1994     | 16years  |
| Grand Rapids   | 1.1 million | 1973-1994     | 14 years |
| St. Augusta    | 1.1 million | 1966-1985     | 22 years |

\*Olmsted Co., Lindenfelser and East Bethel were demolition landfills during the final years of operation and contain large quantities of demolition waste. This will greatly reduce methane generation.

These additional 10 landfills contain about 15.4 million cubic yards of waste or about 20 percent of the waste in the Program. Therefore, the 21 landfills listed account for 70 percent of the waste in the Program while the other 85 landfills account for about 30 percent of the waste.

To implement an active-gas system, there must be an adequate cover to contain the gas, waste that is in the decomposition phase, and sufficient waste depth to generate gas. An active-gas system costs about \$1-2 million for a one-two million cubic-yard landfill with a flare system. The operation and maintenance cost would be about \$70,000-\$80,000 per year. An energy-recovery system could be considered for landfills over three million cubic yards. Currently, Flying Cloud has an energy-recovery system and energy recovery is being investigated for Woodlake. Freeway and Anoka landfills.

An active-gas system could be constructed at some of the additional 10 landfills listed above to reduce contributions to global air emissions.

Construction costs of \$1-2 million per landfill would be needed.

#### **GOAL 21**

The MPCA has undertaken an ambitious strategic plan called Goal 21 which is about to be put into action. The vision of how the MPCA will carry out its mission is shifting from a regulator of bigger point sources to focusing more attention on assisting and facilitating others who protect the environment. Large point sources of pollution are still important to regulate, but smaller non-point sources have become an equal – if not greater – cause for concern. By doing this, the MPCA can leverage the resources of thousands of Minnesota businesses, environmental groups, communities and individuals who want to protect and improve the environment.

The final phase of planning involved teams focused on three major areas of change. 1) different methods by which the MPCA could organize it's resources, 2) defining the types of work that staff will need to perform in the MPCA's new way of doing business, and 3) identifying the attributes leaders within the MPCA need to help put Goal 21 into action and a way to place staff within the new structure. These three areas of change reaffirmed the commissioner's decision to make the MPCA a geographically-based organization because it provides the best approach to provide environmental protection to Minnesota in the decades to come. The MPCA will divide the state into three districts - Northern, Metro and Southern. This approach will allow for flexibility when appropriate and consistency when needed to deliver services. Boundaries for the districts are currently being drawn up with decisions based on customer surveys and other information.

How will this impact the Closed Landfill
Program? It is not anticipated that there will be
major changes in the administration of the
Program because of statutory requirements and
continuing obligations under Binding Agreements
and other Program requirements. MPCA staff

currently working in the Program, will be responsible for assigned sites located within the new districts. One potential change may be in the physical relocation of staff into the new organizational structure.

The MPCA anticipates aligning itself with the new structure next July. Full implementation of the plan is expected to take from three to five years. To keep abreast of the implementation of Goal 21, check the MPCA website at www.pca.state.mn.us. Updates are posted periodically.

# **Appendix**

| The 106 Closed    | Landfills F | Y97 Financi      | aLSumn                  | nary                     |  |  |  |
|-------------------|-------------|------------------|-------------------------|--------------------------|--|--|--|
|                   |             |                  |                         |                          | A  |  |  |
| de de             |             |                  | AG                      |                          |  |  |  |
|                   | 44.7        | tankashi tamerak |                         |                          |  |  |  |
| Adams             | D/0         | \$1,878          | \$0                     | \$3,348                  | many allowed to the design of the control of the co |  | \$5,226  |
| Aitkin Area       | B/27        | \$1,677          | \$37                    | \$6,629                  | THE RESIDENCE AND ADDRESS OF THE PARTY OF TH |  | \$8,343  |
| Albert Lea        | D/25        | \$2,788          | <b>\$</b> 1,5 <b>75</b> | <b>\$</b> 13,540         | The second secon |  | \$17,903   |
| Anderson / Sebeka | B/7         | \$1,210          | \$0                     | \$4,097                  |  |  | \$5,307  |
| Anoka / Ramsey    | D/24        | \$6,248          | \$6,702                 | \$1,330                  | The second secon |  | \$14,280   |
| Barnesville       | C/1         | \$717            | \$0                     | \$3,095                  | AND ADDRESS OF THE PARTY OF THE |  | \$3,812  |
| Battle Lake       | B/19        | \$13,195         | \$1,128                 | \$11,274                 |  | \$27,365   |  |
| Becker Co.        | A/29        | \$19,109         | \$583                   | \$20,041                 |  | \$211,892  |  |
| Benson            | D/3         | \$994            | \$0                     | \$10,884                 |  |  | \$11,878   |
| Big Stone Co.     | C/22        | \$3,514          | \$50                    | \$23,605                 | M2-1009M-1   |  | \$27,169   |
| Brookston         | C/2         | \$1,022          | \$0                     | \$5,721                  | <u> </u>   |  | \$6,743  |
| Bueckers 1        | D/4         | \$2,561          | \$1,717                 | \$12,965                 |  | \$9,003  | THE RESIDENCE OF THE PARTY OF T |
| Bueckers 2        | D/0         | \$203            | \$0                     | \$0                      |  |  | \$203  |
| Carlton Co. S     | B/10        | \$1,348          | \$0                     | \$4,467                  | manager is not the state of the | and the state of t | \$5,815  |
| Carlton Co. 2     | D/5         | \$1,742          | \$229                   | \$7,565                  | <ul> <li>vic. vic. in regently in Transfer System speech contributions</li> </ul>  | -  | \$9,536  |
| Cass Co. (L-R)    | D/5         | \$1,302          | \$143                   | \$3,632                  | many and company a | The state of the s | \$5,077  |
| Cass Co. (W-H)    | D/2         | \$513            | SO                      | \$3,828                  | kystystenium ( ) i myöneten () i myöneten () in myö | manager have been been an  | \$4,341  |
| Chippewa Co.      | D/38        | \$3,205          | \$81                    | \$14,882                 |  | erro com promonente trapo engliscone co  | \$18,168   |
| Cook              | C/4         | \$997            | <b>S</b> 0              | \$7,441                  | englinksterkenssys – distancementalises – displijks englinksterkensson – "distanceme   |  | \$8,438  |
| Cotton            | B/4         | \$1,207          | \$0                     | <b>\$</b> 5,7 <b>8</b> 5 | essentia restatore e e considera nel 1. com  | Managara At 17-70 MADAGARAN MANAGARAN MANAGARA | \$6,992  |
| Crosby            | B/16        | \$17,949         | \$713                   | \$16,053                 |  | \$379,981  | \$414,696  |
| Crosby-American   | D/25        | \$6,727          | \$2,840                 | \$24,269                 | normalitación acos se se se en   | · e consentantementales y in a transmission  | \$33,836   |
| Dakhue            | D/8         | \$3,361          | <b>\$</b> 750           | \$21,976                 | consistence there is transferance and an   | and a comment of the  | \$26,087   |
| Dodge Co.         | D/30        | \$3,161          | \$180                   | <b>SO</b>                | nomer von von a sundakmannehra assassandejäk altika  | _documents   | \$3,341  |
| East Bethel       | D/35        | \$8,459          | \$707                   | \$233,581                | galagias es escalabración e  | andere in an address process of  | \$242,747  |
| East Mesaba       | D/18        | \$3,050          | \$205                   | \$18,155                 | tables described and an artificial and a second  | internal distribution and the second distribution and the  | \$21,410   |
| Eighty Acre       | B/15        | <b>\$</b> 611    | so                      | \$5,648                  | AND LOCATED AND AND AND AND AND AND AND AND AND AN   | g administração de constituição de constituiçã | <b>\$</b> 6,259  |
| Faribault Co.     | B/43        | \$2,749          | so                      | \$17,874                 | form is the second in the application  | on allen desembassion  | \$20,623   |
| Fifty Lakes       | B/7         | \$1,521          | \$744                   | \$5,486                  | Bellevaries philippin Bellevaliani assa philippi   |  | \$7,751  |
| Floodwood         | C/5         | \$577            | so                      | \$5,569                  | PROMOTERIAL PROMOTERIAL SAME   |  | <b>\$</b> 6,146  |
| Flying Cloud      | C/12        | \$7,872          | \$19,468                | Sol                      | erre - 1 censor recognise con scalifornius ciacum ann desaministatura con sec  | econolidar mater screen, e e colonidar communicator menos e especiales   | \$27,340   |
| Freeway           | B/100       | \$8,810          | <b>\$</b> 2,592         | \$0                      | \$900  | general and an analysis of the second of the | \$12,302   |
| French Lake       | D/3         | \$9,723          | \$211                   | \$16,585                 | and the second s | \$575,034  | <b>\$</b> 601,553  |
| Geislers          | B/7         | \$643            | \$112                   | \$4,161                  | integranien on de contra contrata de contr | en reconstruction of a separate construction   | <b>\$</b> 4,916  |
| Gofer             | C/17        | \$1,954          | \$756                   | \$14,281                 | minani cakustoo (ugu mijinaattaa) ya kin umaaga Yi   |  | \$16,991   |
| Goodhue Coop      | C/11        | \$605            | SO                      | \$5,082                  | Britanina (m. 1981 - Mariana) — rekolonya kerona (m. 1981). Mariana  |  | \$5,687  |
| Grand Rapids      | D/5         | \$3,864          | \$329                   | \$17,330                 | лан пологоло «Мененто пент» «Millellik «чення» — «Visanité mil   |  | \$21,523   |
| Greenbush         | B/5         | \$2,245          | \$0                     | \$16                     | \$24,469   |  | \$26,730   |
| Hansen            | C/14        | \$1,317          | \$0                     | \$12,017                 |  |  | \$13,334   |
| Hibbing           | D/7         | \$5,097          | \$0                     | \$39,441                 |  |  | \$44,538   |
| Hickory Grove     | C/3         | \$587            | \$0                     | \$4,556                  | mental distriction of the control of | Military of the contract of th | \$5,143  |
| Highway 77        | C/2         | \$746            | SO                      | \$6,259                  | MEROPOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTOTO   |  | \$7,005  |
| Hopkins           | B/8         | \$12,120         | \$3,844                 | \$80,890                 |  | \$219,948  | \$316,802  |



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|                 | Challed | MPCA Salary | 46            | Operator &   | Compression  | C <del>ert Cl</del> a  | Leady / Sh       |
|-----------------|---------|-------------|---------------|--|--|--|------------------|
| Land Name       | & Score | & Expenses  | Salay         | <u> Malatana an</u>  | Cther than Print   | اسار اسار  |                  |
| Houston Co.     | B/29    | \$9,244     | \$1,128       | endish a mineral constraint and a second sec |  |  | <b>\$</b> 31,447 |
| Hoyt Lakes      | C/3     | \$651       | \$0           |  | CONTRACTOR OF THE PROPERTY OF THE PARTY OF T |  | \$6,198          |
| Hudson          | C/5     | \$749       | \$0           | \$6,084  |  |  | \$6,833          |
| Iron Range      | C/4     | \$1,547     | \$0           | \$5,076  |  |  | \$6,623          |
| Ironwood        | C/14    | \$6,258     | \$5,078       | \$12,484   |  | ***************************************  | \$23,820         |
| Isanti-Chisago  | D/11    | \$14,063    | \$19          | \$76,897   |  |  | \$90,979         |
| Jackson Co.     | C/6     | \$757       | \$0           | \$7,163  |  | -  | \$7,920          |
| Johnson Bros.   | C/11    | \$721       | \$0           | \$11,144   | The state of the s |  | \$11,865         |
| Karlstad        | C/4     | \$1,170     | \$0           | \$9,028  | The second secon |  | \$10,198         |
| Killian         | B/5     | \$1,483     | \$0           | \$6,680  |  |  | \$8,163          |
| Kluver          | B/15    | \$1,991     | \$0           | \$13,771   |  |  | \$15,762         |
| Koochiching     | B/24    | \$5,007     | \$1,928       | \$2,028  |  |  | \$8,963          |
| Korf Bros.      | B/21    | \$18,248    | <b>\$4</b> 31 | \$8,554  | \$2,031,541  |  | \$2,058,774      |
| Kummer          | B/16    | \$18,586    | \$217         | \$21,257   | \$155,266  |  | \$195,326        |
| LaGrande        | C/6     | \$1,569     | \$1,042       | \$10,256   | AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, AND THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, AND T |  | \$12,867         |
| Lake County     | C/15    | \$2,062     | \$198         | \$0  |  |  | \$2,260          |
| Lake Of Wood    | C/8     | \$1,927     | \$0           | \$8,819  | AND THE RESERVE OF THE PARTY OF | The second secon | \$10,746         |
| Land Investors  | C/5     | \$10,414    | \$1,277       | \$9,828  |  | <b>\$</b> 225,336  | \$246,855        |
| Leech Lake      | B/19    | \$10,311    | \$1,358       | \$7,525  | and the state of t | \$37,465   | \$50,659         |
| Lincoln Co.     | D/2     | \$7,918     | \$0           | \$3,336  | gg (10,000 - 10,000 - 0.000 -  | \$258,177  | \$269,431        |
| Lindala         | B/35    | \$16,897    | \$7,393       | \$81,704   | \$68,696   | om officiency management of the contract of th | \$174,690        |
| Lindenfelser    | B/19    | \$1,052     | \$595         | \$8,782  | er verer ver <del>gengegenere</del> n i verste kaldelekter – verer i ve <del>e</del> r ver ve <del>el vere</del> n verer veel ver  | e agos commences ou con commenced accessorations of  | \$10,429         |
| Long Prairie    | D/7     | \$1,378     | SO            | \$5,780  | essentenement vanden eins misse valerings bekommenten groot verdilingen in ge  | ns o navenny differentificano esperaparate anteriore e deservo esperaparate para e   | \$7,158          |
| Louisville      | B/40    | \$2,141     | \$248         | \$0  | permission relations relations — Le les elles de les estérates p   | terrenteren (n. 1966) - Programme Boutenige (1966)   | \$2,389          |
| Mahnomen Co.    | C/10    | \$1,078     | \$0           | \$7,077  | programme with the contract of |  | \$8,155          |
| Mankato         | B/32    | \$13,291    | SO            | \$9,597  | pour musico — mais entre amount de dépundament de la maissaigne de la maissaigne de la maissaigne de la maissa   | \$26,155   | \$49,043         |
| Maple           | D/28    | \$763       | SO            | \$0  | BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB   | PERSONAL PROPERTY OF THE SUSPENCE OF THE SUSPE | \$763            |
| McKinley        | C/4     | \$704       | \$316         | \$3,638  | MARINE 1 A THE ANGLE AND ANGLE ANGL ANGLE AN | in to all a distance of the control  | \$4,658          |
| Meeker Co.      | C/13    | \$2,175     | <b>\$</b> 31  | \$27,157   | geographic description of the contract of the  | region de la grandique de la desperación de la grandique de la | \$29,363         |
| Mille Lacs Co.  | B/12    | \$290       | \$180         | \$4,131  | der enterviewe en enter en   | Militarija kunikuus gasp <b>arjarinamadali</b> nas, myön ku  | \$4,601          |
| MN Sanitation   | B/20    | \$116       | SO            | \$2,748  | enderten de Antonia et en  | - valetyany in general servendenie enterior genine   | \$2,864          |
| Митау Со.       | C/103   | \$1,216     | SO            | \$10,025   | manuscrums salam semier une sedentific   | Microsophia Saltandak di Maria hari da mar dikana tafanda di   | \$11,241         |
| Northorne       | D/3     | \$981       | \$124         | SO   | and a second control of the second se |  | \$1,105          |
| Northwest Angle | B/2     | \$924       | SO            | \$4,592  | kagayayin addigan agasalan sana sanashada an ayasalan sa asasisan daga   | ar unumper <del>designes gra</del> ndiges one emilitarizat design and  | \$5,516          |
| Northwoods      | B/9     | \$3,652     | So            | \$9,770  |  |  | \$13,422         |
| Oak Grove       | D/13    | \$22,272    | \$9,443       | \$60,687   | \$342,870  | - gen - Anne Branch - A mar designation of   | \$435,272        |
| Olmsted Co.     | C/13    | \$7,220     | \$304         | \$47,972   |  | Andrew of the special communications   | \$55,496         |
| Оп              | B/5     | \$222       | SO            | \$0  | aandasumusuuru konamettistuur konametaksi usukt konadesiinin oleh konamettiinin konamettiinin konamettiinin ko   | or any analysis and a same   | \$222            |
| Paynesville     | D/7     | \$9,860     | \$1,755       | \$12,750   | antidam yan, madamin <del>a</del> anyanyin ya madami   | \$758,334  | \$782,699        |
| Pickett         | B/3     | \$8,043     | \$459         | \$15,841   | politica de la manda compania de la manda  | \$461,157  | \$485,500        |
| Pine Lane       | B/20    | \$2,172     | \$713         | \$8,350  |  |  | \$11,235         |
| Pipestone Co    | C/8     | \$11,292    | \$5,505       | \$8,685  |  | and the first and the second s | \$25,482         |
| Portage Mod.    | D/0     | \$12        | \$0           | \$0  | Larry messers it days were propositional   |  | \$12             |



Landfill Report 1997

Minnesota Pollution Control Agency

|                 | Classification | MPCA Salary    | AG            | Operation A | Construction   | Construction  | 1 <del>4-413</del> / <del>21-</del> |
|-----------------|----------------|----------------|---------------|-------------|--|---|-------------------------------------|
| Lancia Name     | & Score        | & Expense      | Salary        | Maletrecase | Other then Band  | Beed Park   | Totals                              |
| Red Rock        | D/88           | \$24,987       | \$1,240       | \$26,682    | \$67,040   | \$3,107,688   | \$3,227,637                         |
| Redwood Co      | C/8            | \$3,646        | \$0           | \$28,632    |  |   | \$32,278                            |
| Rock Co.        | C/16           | \$2,494        | \$105         | \$6,947     |  |   | \$9,546                             |
| St. Augusta     | B/22           | \$28,997       | \$7,285       | \$20,319    |  | \$852,272   | \$908,873                           |
| Salol / Roseau  | B/26           | \$2,847        | \$25          | \$0         |  |   | \$2,872                             |
| Sauk Center     | C/8            | <b>\$1,795</b> | \$0           | \$15,048    |  |   | \$16,843                            |
| Sibley Co.      | C/7            | \$1,021        | \$0           | \$20,420    |  |   | \$21,441                            |
| Stevens Co.     | B/30           | \$1,062        | \$161         | \$7,343     |  |   | \$8,566                             |
| Sun Prairie     | D/22           | \$1,192        | \$434         | \$0         | And the second s |   | \$1,626                             |
| Tellijohn       | B/34           | \$1,730        | \$1,060       | \$1,680     |  |   | \$4,470                             |
| Vermillion Dam  | D/0            | \$12           | \$0           | \$0         | _  |   | \$12                                |
| Vermillion Mod. | C/3            | \$712          | \$0           | \$7,129     |  |   | \$7,841                             |
| Wabasha Co.     | B/14           | \$4,110        | \$2,313       | \$0         |  |   | \$6,423                             |
| Wadena.         | B/25           | \$24,976       | \$2,697       | \$4,673     |  | \$995,923   | \$1,028,269                         |
| Waseca Co.      | D/10           | \$2,965        | \$19          | \$30,637    |  | 7   | \$33,621                            |
| Washington Co.  | D/5            | \$24,797       | <b>\$</b> 372 | \$87,566    |  | \$2,122,269   | \$2,235,004                         |
| WDE             | B/117          | \$17,714       | \$2,554       | \$414,224   | \$11,527   |   | \$446,019                           |
| Watonwan Co.    | C/50           | \$936          | \$211         | \$4,488     |  |   | \$5,635                             |
| Woodlake        | C/8            | \$3,183        | \$0           | \$0         |  | - Constitution Charles Section 19 19 19 19 19 19 19 19 19 19 19 19 19 | \$3,183                             |
| Yellow Medicine | C/2            | \$4,606        | \$0           | \$7,462     | \$17,279   |   | \$29,347                            |
| FY97 TOTALS     |                | \$545,387      | \$103,914     | \$1,961,580 | \$2,730,454  | \$10,267,999  | \$15,609,334                        |

General administrative, legal, reimbursement and miscellaneous bond costs are not included in this Appendix because they are not site specific.

#### O&M consists of the following:

- 1. Electric
- 2. MCES discharge fees
- 3. Local discharge fees
- 4. Snow plowing
- 5. Groundwater sampling & analytical
- 6. Waste sampling & analytical
- 7. Surveying
- 8. Abstracts
- 9. Drilling
- 10. Mowing
- 11. Phone
- 12. On-site security systems