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The following reserve accounts will be established from the \$40,342,471 estimated to be available for obligation to projects during FFY 80:

1) Reserve for a State Management Assistance Grant to the Department of Environmental Conservation	\$ 814,180
2) Two percent of FFY 80 federal allocation plus FFY 79 Carryover to establish a reserve for increasing funding up to 85 percent for eligible projects incorporating alternative and innovative technology	772,817
3) Four percent of the FFY 80 federal allocation plus FFY 79 Carryover to establish a reserve to fund alternatives to conventional treatment in communities with populations of 3,500 or less, or sparsely populated areas of larger communities	1,428,137
4) Grant increase reserve	3,500,000
5) Reserve for unidentified Step 1 & 2 projects that have a priority ranking high enough to place the project on the fundable portion of the Priority List	100,000
6) Reserve established for State designation to fund project increases that occur prior to grant award.	3,248,337
Total Reserves	<u>\$9,863,471</u>

Therefore, \$30,479,000 will be available for obligation to projects targeted for grant award during FFY 80. Funds not obligated during FFY 80 will be reprioritized for obligation on the FFY 81 Priority List.

STATE OF ALASKA  
FFY 80  
PROJECT PRIORITY LIST

Rank	Project	Score	EPA Project Number	Project Step	Target Award Date	Project Description *	Est. Eligible Cost \$1,000	EPA Grant Amount \$1,000	Cummulative Total \$1,000	FFY 80 Cummulative Total \$1,000
1	Seward	974	C-020051-03	3	80	STP - INT	6,782	5,087	5,087	5,087
2	Bristol Bay Borough King Salmon	971	C-020081-02	2 & 3	80	STP - INT	2,762	2,072	7,159	7,159
3	Kodiak Island Borough Island Lake	920	C-020069-02	2	80	INT	325	244	7,403	7,403
4	Kodiak Island Borough Island Lake	910	C-020069-03	3	81	INT	4,837	3,628	11,031	-----
5	Ketchikan - Phase II	880	C-020053-04	3	80	STP	8,750	6,563	17,594	13,966
6	Nome	860	C-020062-03	3	81	INT	2,378	1,784	19,378	-----
7	Anchorage - West Interceptor	840	C-020087-04	3	81	INT	7,500	5,625	25,003	-----
8	Sitka - Phase II	819	C-020052-04	3	80	STP - INT	10,500	7,875	32,878	21,841

9	Kenai	818	C-020077-03	3	80	STP - INT	4,415	3,311	36,189	25,152
10	Fairbanks - Ballaine Lake	770	C-200083-02	2	80	INT	80	60	36,249	25,212
11	Wasilla	768	C-020073-02	2	81	STP - INT	450	338	36,587	-----
12	Naknek	760	C-020082-02	2 & 3	82	STP - INT	2,762	2,072	38,659	-----
13	Fairbanks - Ballaine Lake	760	C-020083-03	3	81	INT	800	600	39,259	-----
14	Wasilla	758	C-020073-03	3	82	STP - INT	5,053	3,790	43,049	-----
15	Fairbanks - Sludge Disposal Study	740	C-020088-02	2	80	UPGRADE	200	150	43,199	25,362
16	Sitka - Phase III	730	C-020052-05	3	82	INT	2,620	1,965	45,164	-----
17	Fairbanks - Sludge Disposal Study	730	C-020088-03	3	81	UPGRADE	2,000	1,500	46,664	-----
18	Petersburg - I/I Rehabilitation	730	C-020091-01	1	80	REHAB	40	30	46,694	25,392
19	Wrangell - I/I Rehabilitation	730	C-020092-01	1	80	REHAB	76	57	46,751	25,449
20	Eagle River Road Interceptor	730	C-020061-05	3	80	INT	900	675	47,426	26,124
21	Unalaska	711	C-020062-02	2	80	STP - INT	550	413	47,839	26,537

22	Petersburg - I/I Rehabilitation	720	C-020091-02	2 & 3	81	REHAB	240	180	48,019	-----
23	Wrangell - I/I Rehabilitation	720	C-020092-02	2 & 3	81	REHAB	200	150	48,169	-----
24	Skagway - I/I Rehabilitation	710	C-020090-01	1	80	REHAB	40	30	48,199	26,567
25	Unalaska	701	C-020064-03	3	81	STP - INT	7,200	5,400	53,599	-----
26	Skagway - I/I Rehabilitation	700	C-020090-01	2 & 3	81	REHAB	160	120	53,719	-----
27	Seldovia	682	C-020071-02	2 & 3	81	STP - INT	2,026	1,520	55,239	-----
28	Barrow	680	C-020085-01	1	80	STP	100	75	55,314	26,642
29	Fairbanks - Airport Interceptor	680	C-020084-01	1	82	INT	40	30	55,344	-----
30	Barrow	670	C-020085-02	2	82	STP	500	375	55,719	-----
31	Fairbanks - Airport Interceptor	670	C-020084-02	2	83	INT	600	400	56,119	-----
32	Anchorage - STP Expansion	670	C-020087-10	2	82	STP	1,150	863	56,982	-----
33	Anchorage - S.E. Interceptor O'Malley to E-4 Trunk	670	C-020087-03	2	80	INT	200	150	57,132	26,792
34	Anchorage - S.E. Interceptor E-4 Trunk to E-6 Trunk	670	C-020087-06	2	81	INT	30	23	57,155	-----

35	Anchorage - S.E. Interceptor E-6 to ½ Mile So. of Huffman Rd	670	C-020087-13	2	82	INT	34	26	57,181	-----
36	Anchorage - S.E. Interceptor ½ Mi. So. of Huffman Rd to E-7 Trunk	670	C-020087-17	2	83	INT	77	58	57,239	-----
37	Barrow	660	C-020085-03	3	83	STP	6,000	4,500	61,739	-----
38	Fairbanks - Airport Interceptor	660	C-020084-03	3	84	INT	7,420	5,565	67,304	-----
39	Anchorage - STP Upgrade	660	C-020087-02	3	80	UPGRADE	2,181	1,636	68,940	28,428
40	Anchorage - STP Expansion	660	C-020087-16	3	83	STP	16,550	12,413	81,353	-----
41	Anchorage - S.E. Interceptor O'Malley to E-4 Trunk	660	C-020087-05	3	81	INT	1,600	1,200	82,553	-----
42	Anchorage - S.E. Interceptor E-4 Trunk to E-6 Trunk	660	C-020087-09	3	81	INT	418	314	82,867	-----
43	Anchorage - S.E. Interceptor E-6 Trunk ½ Mi. So. of Huffman Rd	660	C-020087-14	3	82	INT	475	356	83,223	-----
44	Anchorage - S.E. Interceptor ½ Mi. So. of Huffman Rd to E-7 Trunk	660	C-020087-18	3	83	INT	1,077	808	84,031	-----
45	Pelican	630	C-020057-02	2 & 3	82	STP - INT	800	600	84,631	-----
46	Ketchikan - Phase III	630	C-020053-05	3	81	INT	1,000	750	85,381	-----
47	Homer STP Expansion	600	C-020093-01	1	80	STP	40	30	85,411	28,458

48	Eagle River - Fire Lake Int. - Phase I	600	C-020061-03	2	80	INT	110	83	85,494	28,541
49	Eagle River - N. Valley Int. - Phase I	600	C-020061-04	2	80	INT	250	188	85,682	28,729
50	Eagle River - Fire Lake Int. Phase III	600	C-020061-09	2	82	INT	200	150	85,832	-----
51	Eagle River - N. Valley Int. Phase II	600	C-020061-06	2	81	INT	100	75	85,907	-----
52	Cordova - Phase III(6)	590	C-020068-03	2 & 3	80	INT	374	281	86,188	29,010
53	Eagle River - Fire Lake Int. - Phase I	590	C-020061-07	3	81	INT	700	525	86,713	-----
54	Homer - STP Expansion	590	C-020093-02	2	82	STP	300	225	86,938	-----
55	Eagle River - N. Valley Int. - Phase I	590	C-020061-08	3	81	INT	1,937	1,453	88,391	-----
56	Eagle River - N. Valley Int. - Phase II	590	C-020061-10	3	82	INT	900	675	89,066	-----
57	Eagle River - Fire Lake Phase II	590	C-020061-11	3	83	INT	1,015	761	89,827	-----
58	Homer STP Expansion	580	C-020093-03	3	83	STP	3,200	2,400	92,227	-----
59	Anchorage - Outfall Extension	570	C-020087-15	2	82	STP	1,250	938	93,165	-----
60	Anchorage - Outfall Extension	560	C-020087-19	3	83	STP	8,750	6,563	99,728	-----

61	Dillingham	550	C-020066-02	2 & 3	80	STP	1,900	1,425	101,153	30,435
62	Anchorage - Pump Stations #2	540	C-020087-07	2	81	INT	180	135	101,288	-----
63	Anchorage - Fish Creek F.M. #2	540	C-020087-08	2	81	INT	120	'90	101,378	-----
64	Wainwright	535	C-020094-01	1	80	STP - INT	58	44	101,422	30,479
65	Anchorage - Pump Station #2	530	C-020087-11	3	82	INT	1,320	990	102,412	-----
66	Anchorage - Fish Creek F.M. #2	530	C-020087-12	3	82	INT	680	510	102,922	-----
67	Wainwright	525	C-020094-02	2	81	STP - INT	300	225	103,147	-----
68	Wainwright	515	C-020094-03	3	82	STP - INT	3,600	2,700	105,847	-----
69	Soldotna Funny Road Interceptor	500	C-020095-01	1	81	INT	40	30	105,877	-----
70	Juneau - Channel Interceptor	490	C-020048-02	3	83	INT	600	450	106,327	-----
71	Soldotna - Funney R. Road	490	C-020095-02	2 & 3	82	INT	1,400	1,050	107,377	-----
72	Willow	455	C-020089-01	1	82	STP - INT	180	135	107,512	-----
73	Willow	445	C-020089-02	2	83	STP - INT	1,800	1,350	108,862	-----

74	Willow	435	C-020089-03	3	84	STP - INT	15,000	11,250	120,112	-----
75	Fairbanks - E. Farmers Loop	430	C-020078-01	1	82	INT	40	30	120,142	-----
76	Fairbanks - E. Farmers Loop	420	C-020078-02	2	83	INT	180	135	120,277	-----
77	Fairbanks - E. Farmers Loop	410	C-020078-03	3	84	INT	1,955	1,466	121,743	-----

\*STP - Sewage Treatment Plant  
 INT - Interceptor Sewer  
 REHAB - Rehabilitation Project

Community	Probable Project	Est. Cost
Cordova	Baler & Balefill	\$800 K
Yakutat	Landfill Upgrade	\$25 K
Skagway	New Landfill, Incinr., or?	\$150 K
Hoonah	New Landfill, Equip.	\$266 K (PHS-\$77)
Petersburg	Upgrade or New Disp. Sys.	\$25-200 K
Wrangell	Upgrade or New Disp. Sys.	\$25-250 K
Ketchikan	Landfill & Incin.	\$900 K
Valdez	New Landfill & (?)	\$100-1500 K
Kodiak	New Landfill, Sludge Disp.	650 K
Bristol Bay Borough	New Landfill	50 K
Bethel	?	N.A.
Nome	Landfill Upgrade	50-150
Barrow	Landfill and (?)	N.A.
Mat-Su Borough	New Landfill & Other Improvements	\$400-800 K
Pelican	New Landfill	N.A.
Angoon	Upgrade Landfill	\$25 K
Craig-Klawock	Upgrade Landfill	\$25 K
Anchorage	Ft. Rich Boiler Upgrade, etc.	>\$1 million
Large # of rural communities	{ Burning devices, disposal facility, sludge or honey bucket disposal, etc.	10-150 K each
Deadhorse	Additional Shredder	N.A.
Unalaska	New Landfill	N.A.
Kenai Peninsula Borough	Landfill Improvements	400,000

Bush Projects

Construction Grants

North Slope Borough  
Point Lay  
Barrow  
Wainwright  
Atkasook  
Anaktuvuk Pass  
Nuiqsut  
Point Hope  
Deadhorse

Nome  
Bethel  
Dillingham  
King Salmon  
Naknek  
Sand Point  
King Cove  
Nenana  
Tanana  
Yakutat  
Craig  
Klawock  
Kake  
Saxman  
Pelican  
Unalaska

VSW

Pitkas Point  
Chevak  
Selawik  
Council  
Koyukuk  
Alakanuk  
Beaver  
Tanana  
Norhway  
Kongiganak  
Akiachak  
Nulato  
SE 49  
Point Lay  
Kgnuk  
Cooper Bay  
Kobuk  
Bethel  
Kotzebue  
Cantwell  
Shaktoolik  
Kotlik  
Koyuk  
McGrath

Introduced: 1/24/79  
Referred: Community &  
Regional Affairs

1 IN THE HOUSE

BY CHATTERTON

2 HOUSE BILL NO. 68

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 ELEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act, entitled: "An Act transferring responsibility for administration  
7 of the Village Safe Water Act; and providing for an  
8 effective date."

9 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

10 \* Section 1. AS 46.07.080(1) is amended to read:

11 (1) "commissioner" means the commissioner of transportation  
12 and public facilities [ENVIRONMENTAL CONSERVATION];

13 \* Sec. 2. This Act takes effect July 1, 1979.

14 CHAT:

15 FROM DEC. SESSION

16 PASSED IN 1970

17 AMENDED IN 1975

18 FROM BILLS

19 HOLLANDER FROM CONGRESSIONAL WITH AISH AND COME

20 VILLAGES 25 TO 600 WITHIN 2 MILES

21 INCORPORATED VILLAGES ARE SOMETIMES LESS

22 CLOCKIN:

23 TENTATIVE

24 HAROLD SPARK, BETHEL

25 DO NOT PASS

26 DEC. 'OUTSTANDING' IN ECONOMY AND PLANNING

27 COST OF TRANSFER,

28 ADVISORY COMMITTEE.

29 JOHN SCRIBNER, DEC, DIR. OF WATER

+ GREG. CARPIS, SENIOR PLANNER, DEC

BORING, LAUNDRY, DRAINING, WASTE DISPOSAL. HB 68

2/4 ON STATE FUNDS ADMINISTERING PROGRAM.

TRAVELERS.

VSW PROBLEMS

1) PLANNING

2) CONSTRUCTION

2 1/2 MIL S2 FOR (5 1/2 BUILT, 1 GROUND)

3) OPERATION & MAINTENANCE

PUBLIC HEARD ALSO HAS A PROGRAM

DIT NO OF + CHINT

P.H. PROGRAM TO THEM LONGER

SOMETIMES A VILLOGE JUST TAKE OVER AND RUN WITH IT

ALBANY

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CONTINUING

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ASSISTANCE

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ROAD

SERVICE

180

FORCE

ACCOUNTING / CONSTRUCTION

MANAGEMENT

VILLAGE SAFE WATER PROGRAM  
An Update to January 20, 1977

*for* DEC

Introduction

The Village Safe Water Act (AS 46.07), passed in 1970, calls for "at least one facility for safe water and hygienic sewage disposal in each village" in Alaska. Little progress was made in the program until December of 1972 due to lack of funds, inability to hire someone to administer the Village Safe Water (VSW) program, and lack of operation and maintenance provisions. Since 1972, six VSW facilities have been constructed, two more are nearly complete, and another is being designed. In addition, an operation and maintenance support program and a comprehensive planning effort have been organized and initiated.

Construction

The six VSW facilities constructed to date are in the villages of Northway, Chevak, Alakanuk, Selawik, Nulato and Pitkas Point. A facility will be completed in Beaver in January, 1977, and in Koyukuk in February of 1977. A facility for Kongiganak is being designed, and construction is scheduled for summer of 1977.

At the nine locations listed above, the VSW projects consist of central sanitation facilities to which village residents can come to obtain water supply, sewage disposal, bathing and laundry services. No piped water distribution or sewage collection systems are involved except for water and sewer service lines to schools.

Construction methods used so far have included: 1) competition bid construction contracts administered by the Alaska Department of Public Works, 2) competitive bid construction contracts administered by the Alaska Department of Environmental Conservation (ADEC), and 3) force account construction by the villages through construction management contracts with engineering consultants. All facilities so far have been designed by engineering consultants.

The force account/construction management method of construction has been the most satisfactory of the three methods used. Facilities constructed that way have been built cheaper and faster than those built under competitive bid construction contracts; the quality of construction has been better; and the villages have been more intimately involved in, and satisfied with, their projects.

VSW facilities have cost from \$350,000 at Pitkas Point (begun in FY 76) to almost \$1,200,000 at Selawik (begun in FY 74). Villages served have ranged in size from 85 (Pitkas Point) to over 500 (Selawik).

#### Operation and Maintenance

Experience in the VSW program has confirmed that virtually any utility system installed in remote Alaskan villages is doomed to eventual failure unless the village is given financial, technical, and/or management assistance. Any program for providing utilities in rural Alaska must either adequately provide for long term operation and maintenance, or expect system failures that adequate operation, maintenance and management could have prevented.

In FY 76, the annual operating budgets for VSW facilities ranged from \$28,000 at Northway to over \$100,000 at Selawik. ADEC provided a total of about \$225,000 in VSW operation and maintenance grants in FY 76 to six villages. In addition, ADEC provided technical and management assistance to the six villages. Although expensive, the VSW operation and maintenance support program has made it possible for all completed VSW facilities to serve the public as intended.

#### Comprehensive Planning

ADEC is developing a comprehensive plan intended to define the roles of State and federal agencies and other groups involved in providing rural sanitation services. An early step in this planning is to inventory all village sanitation facilities. Completing this inventory is viewed as the cornerstone of the VSW planning effort.

The Ninth Alaska Legislature passed a resolution suggesting that a VSW advisory committee be organized consisting of representatives from the 12 Native Regional Service Associations. This committee would assist ADEC with policy and management decisions concerning the VSW program. The Department feels the advisory committee is a good idea and welcomes increased involvement for the Regional Associations.

Several local, State, federal and private organizations participate either directly or indirectly in providing rural sanitation services. A strong working relationship must be developed among the diverse groups if a comprehensive plan for sanitation services throughout rural Alaska is to be successfully developed and implemented.

Goals and Objectives  
VSW Comprehensive Planning

GOAL

To develop a statewide comprehensive program for providing sanitation services in rural Alaska.

PLAN OBJECTIVES

1. Inventory existing water supply and sewage disposal facilities in rural Alaskan villages.
2. Develop criteria for evaluating the adequacy of existing water supply and sewage disposal facilities identified in # 1 above.
3. Identify existing agency programs providing sanitation facilities to Alaskan villages. Quantify the resources currently available. Identify and describe the technical, management and administrative approaches presently used.
4. Develop criteria to evaluate the effectiveness of these programs.
5. Evaluate the adequacy of technical, management and administrative approaches identified in #3. above.
6. Identify and evaluate alternative technical, administrative and management methods that might be used to address sanitation needs in rural Alaska.
7. Recommend changes in the activities and resources of existing programs to incorporate the alternatives noted in # 6 above. Recommend new programs and/or authority necessary for implementation.
8. Analyze existing methods of operation, maintenance and management of village sanitation facilities.

9. Develop alternative methods for operation, maintenance and management of village sanitation facilities.
10. Recommend changes in the activities and resources of existing programs to incorporate the alternative approaches noted in #9 above.
11. Integrate the findings of the above analysis with the comprehensive plan.
12. With the assistance of the appropriate governmental agencies and Native non profit regional associations, proceed to implement the plan.

#### PUBLIC INVOLVEMENT & PROGRAM COORDINATION

Because several local, State and federal organizations participate either directly or indirectly in developing rural sanitation facilities, this major planning effort can not be undertaken alone. To insure proper plan development and implementation, a strong working relationship must be developed among the diverse groups currently working on rural sanitation problems.

Public participation and inter-agency coordination must be an integral part of the VSW comprehensive planning process. In this regard, a maximum effort will be made to enlist the active participation of the native regional health organizations, the villages and appropriate federal and state agencies. We hope that by the time a draft of the plan has been formulated, significant public comment and coordination will have been obtained. The results of our collective efforts will be a comprehensive plan for providing rural sanitation services in Alaska.

#### Principal Contact

For more detailed information on the Village Safe Water comprehensive planning process, please contact:

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Official Business

# Alaska State Legislature

## House of Representatives

Committee on

Community & Regional Affairs

Pouch V  
State Capitol  
Juneau, Alaska 99811

TO: ALL COMMITTEE MEMBERS

FROM: REP. BILL PARKER, Chairman

RE: HB 68 relating to the Village Safe Water Act

The following recommendations are excerpted from the Governor's Management and Efficiency *Review Report*

### Recommendations

#### 254. Discontinue construction of village safe water projects.

The village safe water program is financed completely by the state and there is substantial concern about its effectiveness. The program applies to villages with population ranges of from 25 to 600 persons. Approximately \$5-million has been spent to complete eight projects and three more are scheduled.

A fiscal 1977 request of \$2-million has been made for the program plus an additional \$300,000 for annual maintenance work. The maintenance figure could double as additional projects are completed. The villages are unable to operate and maintain the facilities and a decision must be made on the future of the program.

In view of the inability of the villages to run these facilities successfully, the construction program should be discontinued. As some of the native corporations involved become more experienced, they could contract with the state for such a program, recognizing that rural water and waste disposal systems are almost never financially self-sustaining. Implementation would result in an estimated one-time cost avoidance of \$2-million and an annual saving of approximately \$300,000.

*pp. 130, 131*

The final implementation report of the Governor's Management and Efficiency Review states that this particular recommendation has not been implemented. (See p.10)