

HB

132

HB 132 TITLE & SPONSOR SUMMARY

13:29 3/20/79 PAGE 1 OF 2

~~AMENDED TITLE:~~

AN ACT MAKING A SPECIAL APPROPRIATION TO THE DEPARTMENT
OF COMMUNITY AND REGIONAL AFFAIRS FOR A GRANT TO THE
CITY OF DILLINGHAM FOR RELOCATING A SANITARY LANDFILL;
AND PROVIDING FOR AN EFFECTIVE DATE

\$250,000 (APPROP)

~~PRIME SPONSORS: ANDERSON.~~

~~CO-SPONSORS:~~

~~CURRENT STATUS: 3/14/79 IN THE FINANCE~~

HB 132 HOUSE ACTION

13:31 3/20/79 PAGE 2 OF 2

| DATE | SEQ | PAGE | LEGISLATIVE ACTION |
|----------|-----|------|---------------------------------------|
| 02/06/79 | 01 | 0146 | FIRST READING -- COMMITTEE REPORTS |
| 03/14/79 | 02 | 0574 | CRA -- CS03, NR03 FINANCE RULES |

**** ** ** *** ** *



Alaska State Legislature

House of Representatives

Committee on

Community & Regional Affairs

COMMITTEE MINUTES

Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

DATE: 3/14/79

BILL NUMBER AND TITLE: HB132 Appropriation to DEC re grant to City of Dillingham for relocating a sanitary landfill

ORIGINAL SPONSOR : Anderson

OTHER SPONSORS:

RECEIVED FROM:

FURTHER REFERRALS: Finance

MEMBERS PRESENT: Branson
Parker Zharoff
Carney O'Connell
Metcalf Parr

MEMBERS ABSENT:

INDIVIDUALS CONTACTED:

WITNESSES TESTIFYING:

Anderson -- Reduce appropriation to \$225,000

Branson -- Have bailer operations been looked into as a reasonable alternative?

Parr -- Can the community fund it themselves?

DO PASS

Parker
Branson
O'Connell

No Recommendation

Carney
Parr
Metcalf

COMMITTEE ACTION: Bill amended to \$225,000 appropriation and passed out.

TAPE # A SIDE 1 Sections 861-905

COMMITTEE REPORT

HOUSE

FURTHER: FINANCE

February 6, 1979

Date: 14 Mar 79

Mr. Speaker:

The Committee on C&RA has had HB 132

"An Act making a special appropriation to the Department of Community and Regional Affairs for a grant to the City of Dillingham for re-locating a sanitary landfill; eff. date."

under consideration and (a majority of the committee) (the committee) reports it back with the following recommendations:

- do pass do not pass
- do pass with attached amendments(s)
- replace with CS for 115 127 same title
 new title
- and recommends 15 11 1055
- AND attaches a "Letter of Intent" New Fiscal Note
- reports it back without recommendation
- referred to the _____ Committee

**MEMBERS SIGNING
DO PASS**

Bill P...
...
...

**MEMBERS HAVING
OTHER RECOMMENDATIONS:**

...
...
...

Bill P...

 CHAIRMAN

COMMITTEE SUBSTITUTE
~~AMENDMENT~~

OFFERED IN THE HOUSE:

By: _____

To: _____ HOUSE BILL No. 132

SENATE BILL No. _____

PAGE: 1

LINE: 11

Change \$250,000 to \$225,000

BILL WORK SHEET

COMMITTEE ON COMMUNITY AND REGIONAL AFFAIRS

Referred to Finance
Received from _____

BILL NO. HB132 re Dillingham Sanctuary Landfill

Original Sponsor Anderson Fiscal Note _____

Contacts: Contacted re 3/14 hearing
Anderson

LAA Legal Research contact: _____

Anderson indicated he was lowering the appropriation request to \$225,000.



CITY OF DILLINGHAM

P.O. BOX 191

DILLINGHAM, ALASKA 99576

TELEPHONE (907) 842-5211 or 842-5212

Support for HB 32

February 3, 1979

The Honorable Nels A. Anderson, Jr.
Representative District 16
Pouch V
Juneau, Alaska 99811

Dear Nels:

The Choggiung, Ltd. Board, at a meeting February 7, 1979, agreed to give the City of Dillingham X number of acres at the 9 Mile pit site. This acreage will be determined by a future joint Land Selection Committee meeting. This, to the best of my knowledge, will provide an acceptable landfill site for the city. Soil Conservation Service and State Department of Environmental Conservation have both looked at the site and a ground water level test hole has been bored which proved satisfactory.

We are still under a state court Compliance Order Action 77-7216 which required that we have our landfill in operation by September 15, 1978, with final grading of old site accomplished by October 15, 1978. The civil penalty specified in this court order could amount to \$225.00 per day plus an initial penalty of \$1,600.00.

Our amended budget provides \$30,000 towards our landfill location. The following breakdown shows the funding we still must have to operate a landfill some nine miles from our townsite area.

| | |
|------------------------------|--|
| 1. <u>Landfill Compactor</u> | Request \$118,500. |
| Model | Caterpillar 170 HP 20 ton 816 - \$115,000. |
| Options | or |
| | John Deere JD646-B's 105,000. |
| | Freight 32,000 # Seattle/Dlg 3,500. |

Justification:

Presently a D7 Bulldozer provides both snow removal on townsite streets as well as twice weekly cover of refuse. The relocation of landfill will require one additional piece of equipment. The models above are designed for landfills.

2. Equipment Storage Building - New Site Request \$25,000.

Type Pole construction, wood frame, insulated,
concrete floor, metal skin. Size 24x30
with large garage door.
Building delivered to Dillingham \$ 9,000.
Erection 6,000.
Insulation, floor, etc. 10,000.
\$25,000.

Justification:

The new site must have adequate protection for the equipment which will allow heating during winter months and year around maintenance as required.

3. Covering Old Landfill Site Request \$70,000.

Final graveling to consist of diversion of all surface runoff water and cover of two (2) feet compacted soil.
Note: This estimate is substantially lower than previously submitted, but we plan a cheaper type of fill such as overburden. Also, the site has had another year's fill.

Justification:

State Compliance Order

4. Assistance New Site Request \$11,500.

Item Incinerator dome type structure, approximate 40x50, construction pipe frame, chain link fence or metal skin enclosure, moveable, home built by maintenance crew.

Justification:

Department of Environmental Conservation will allow controlled burning of cardboard, etc. We must have adequate protection due to forest setting. Mr. Cherry, DEC, feels our foreman's idea is feasible. This will be also partially funded within our \$30,000. local effort.

TOTAL REQUEST: \$ 225,000.

Nels A. Anderson, Jr.
February 8, 1979
Page three

Until we receive funding of some type to finance our closing of the old site and efficient operation of a new one, we will still have problems complying with the requirements of the compliance order.

Sincerely,



Laura M. Schroeder
City Manager

LMS/lrh

Enclosures:

Proposed Operating Plan for 9 Mile Landfill
Caterpillar Brochure
John Deere Brochure
Soil reports from Soil Conservation
Budget page - Solid Waste Disposal
Compliance Order - Stipulated Settlement



CITY OF DILLINGHAM

P.O. BOX 191

DILLINGHAM, ALASKA 99576

TELEPHONE (907) 842-5211 or 842-5212

PROPOSED OPERATING PLAN FOR 9 MILE LANDFILL

PLANS FOR SITE

1. Fence surrounding area with chain link fence not less than 6 ft. height and gate.
2. Berm to be created with over-burden material creating a dike of at least 10 feet in height for screening as well as containment purposes. Outcome hureseshoe type area.
3. Floor of area to be lined with a landfill lining material then pad of over-burden, these will prohibit any possible ground water pollution by infiltration through floor of pit.
4. Drainage ditch and culverts on right side of road to eliminate any ground water crossing into pit area.
5. Vehicle unloading area on top bank of pit with guards to protect against any danger of going over edge.
6. Enforce city ordinance requiring closed vehicles for transportation on city streets.

Have state litter statutes enforced.

OPERATING PROCEDURES

1. Site to be covered at least twice weekly. (This is current procedure.)
2. Daily attendant during summer months and Monday through Friday during period August 15th through May 30th. Seven day attendance depends on successful recruitment.
3. Fire pump to be set up using either lake or stream for source.
4. Burnable items to be burned in dome type structure somewhere near size of 40 x 50 feet. Vehicles or trucks fully loaded with burnables could back inside. Other loads would be separated and moved inside by hand or machine.
5. Machine storage and attendant building to be built in general area. We are looking at regular cat or John Deere type equipment with compactor wheels.

COMMENTS

Department of Environmental Conservation again today approved burning. States dome type or any incinerator type permissable. Materials to be segregated such as no tires.

Current water table within allowances and by creating a higher pad with over-burden even more acceptable.

Fish & Game has stated no objections before I first approached Choggiung mid January.

Education of general public on hauling and litter control will be started immediately upon site approval.

PREDICTED START UP DATE

Request to have our compliance order set ahead to August 79 as proposed during September 78.

This will allow for evaluation of known spring breakup problem and correction by drainage and culverts.

The time extension will also allow time to erect fence, prepare site and establish an acceptable operation of new site.

SOIL CONSERVATION SERVICE

2221 East Northern Lights Blvd., Suite 129, Anchorage, Alaska 99504

SUBJECT: RB - Trip Report, Dillingham Land Fill Investigation DATE: September 15, 1978

TO: Sterling E. Powell
Water Resource Specialist
Soil Conservation Service
Anchorage, Alaska 99504

As was requested, I investigated the possibility of installing a sub-surface drainage system for land fill sites selected by the officials of the City of Dillingham. I investigated the soils and the slope of the land and it is my opinion that both sites - Tower Road and Wood River Road - can be drained. Cost of installation and operation of both sites would be high.

I also made a reconnaissance investigation of several gravel pits:

Gravel pit no. 1 - adjacent to Squaw Creek

Good site for land fill but stream pollution may develop after the pit has been used for a period of time.

7-Mile Gravel Pit

Very good site for land fill. It appears that it is away from streams and houses and it is dry.

9-Mile Gravel Pit

Good site in portion that has not been excavated deep enough to intercept underground water flow. This site can be developed for a land fill site.

Dan Conners Gravel Pit

Fair site but is adjacent to Squaw Creek. Could be developed for land fill site.

Conclusions and Recommendations:

All of the sites can be utilized for land fill sites but I feel that 7-Mile gravel pit is the best site. Cost estimates should be made on each site to determine which site would be the least costly to develop and maintain.

Before final designs are developed, a more detailed sub-surface investigation should be made to determine the need for sub-surface drains, drain depth, drain size, distance between drains, slope, outlet conditions, etc.



Sterling E. Powell
September 15, 1978

page 2.

If for some reason the gravel pits cannot be utilized for solid waste disposal sites, I recommend that a soil scientist be requested to make an investigation in the Dillingham area to locate a better site than the Towers Road and the Wood River Road sites. I feel that sites can be located that would be much less costly to install and operate.


Edward G. Grey
Hydraulic Engineer

cc: Laura Schroeder, Dillingham City Manager, Dillingham, AK,
Allen Koester, District Conservationist, Palmer, AK

RECEIVED OCT 3 1978

UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

P. O. Box F, Palmer, Alaska 99645

SUBJECT Trip Report - Dillingham Landfill Investigation

DATE September 29, 1978

TO Louis A. Fletcher
State Soil Scientist
Soil Conservation Service
2221 E. Northern Lights Blvd.
Anchorage, Alaska 99504


In response to the request by the City of Dillingham, I located several areas that have the potential for development as landfill sites. After investigating the soil properties, drainage patterns, and accessibility of the sites it is my opinion that the city has several options open for consideration.

Site #1 - Located 1/4 to 1/2 mile east of 9-Mile Quarry Road along RIM survey trail. Area is 200 feet to the south of survey line on elevated ground, adjoining Lars Nelson's property. Depth to apparent water table exceeds 15 feet and most of the area has 12 to 15 feet of soil material that would provide excellent daily cover for a landfill. Site is nearly level and leachates would not pose a hazard to the local water quality. Access to the site would require that a road be built along the present survey trail. The road would be 1/2 mile or less in length and would cross a short segment of bog soils.

Disadvantages to this site include the distance from the city and the proximity to a proposed subdivision.

Site #2 - Dolly Herman's proposed native allotment (#5528) across from south entrance to Mile-7 Gravel Pit. This area has good potential for development. Depth to the water table is deep and there is sufficient soil material overlying gravel to provide good cover for a landfill. Depth to gravel is less than 3 feet near the road, but depth increases to 12 feet 150 feet east of road. Site #2 is smaller in usable size than site #1 and potential for pollution of Squaw Creek, although slight, is more of a consideration. Access to the area would require only a short access road with no real construction difficulties.

Site #3 - Located on Native Corporation land adjoining Dolly Herman's native allotment (the eastern boundary). This wooded area would be an excellent location. Water table, depth of soil material over gravel, and slope are all well suited for a landfill. Access could be acquired by building a road along Dolly Herman's and Richard Clark's property line. Road would have to be 1/2 to 3/4 miles long and would cross 100 to 150 yards of very wet muskeg. The muskeg could be avoided if a right-of-way could be obtained on Herman's allotment.



Site #4 - Located 3/4 mile NW on Lake Road from junction with highway on left hand side of road. Native Allotment Lot 1 #4982 and Lot 5 #4980. This site was not looked at in detail, but it appears to be an excellent location. It is well drained, nearly level, deep to gravel, and is close in to the city. Little access road would need to be built.

The suitable areas for a landfill site that are away from the airport, the Squaw Creek drainage, and with easy access, are for the most part located along the lake road. If it is not possible to acquire a site near the road, the next best location would be the higher ground 1/2 to 3/4 miles east of the lake road. The only disadvantage to locating a landfill site in that area would be the added expense of building and maintaining an access road.

Upon final selection of a solid waste disposal site I would recommend further investigations with a backhoe, the input of the Fish and Wildlife Service, and the Department of Environmental Conservation.

Ted E. Cox
Soil Scientist

cc: Laura Schroeder, Dillingham City Manager, Dillingham, AK
Bob Kapolka, PHS Hospital, Dillingham, Ak 99576

7-13-63

5 6 7

GP128



CROFT, THURLOW, LOUTREL & DUGGAN

ATTORNEYS AT LAW

SUITE 710 FIRST NATIONAL BUILDING

425 "O" STREET

ANCHORAGE, ALASKA 99501

TELEPHONE 272-3508

AREA CODE 907

WILLIAM J. BAILEY
OF COUNSEL

CHANCY CROFT
GARY THURLOW
DAVID B. LOUTREL
JOHN E. DUGGAN

March 13, 1978

John Gissberg
Assistant Attorney General
State of Alaska
Department of Law
360 "K" Street, Suite 105
Anchorage, Alaska 99501

Re: Dillingham Public Landfill

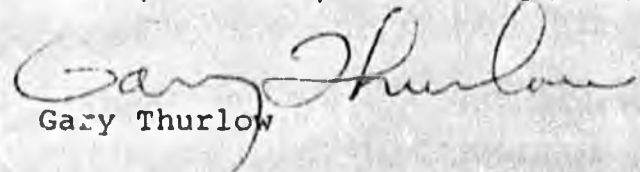
Dear John:

Attached is the executed original of the stipulation.

The City of Dillingham will have to move fast to get its application into ADEC before April 1, 1978, the date set forth in the first paragraph of the revised Article III.

Sincerely,

CROFT, THURLOW, LOUTREL & DUGGAN


Gary Thurlow

GT:kc:enclosure

cc: Gordon Ryan
City Manager
City of Dillingham
P.O. Box 191
Dillingham, Alaska 99176

4. October 15, 1978: Final grading of old dump site, including diversion of all surface run-off water around the site to prevent run-off water from passing through the refuse, cover with minimum of two (2) feet compacted soil, restoration and rehabilitation; written sign-off approval from ADEC.

ADEC shall review the City's Solid Waste Disposal Management Permit application promptly upon receipt and shall conduct any required on-site inspections of the proposed area without delay. If requested, ADEC shall omit and advise the City in preparation of permit applications.

III. City shall conduct a regular shoot-scare program as follows:

1. PERSONNEL - The city shall designate one or more persons to carry out the shoot-scare program.
2. TIME - The shoot-scare program will be initiated by shooting or scaring birds at the existing dumpsite and in the vicinity of the airport at least thirty minutes to the scheduled or amended touchdown time of all scheduled jet aircraft and landings of all non-scheduled jets for which the City has been given at least two hours prior notice. The program shall continue with active shooting or scaring while all such jet aircraft are on the ground and shall terminate not sooner than ten minutes after the departure of each such jet aircraft described above. The dump site and vicinity of the airport shall be monitored after the dispersal of birds during the times described in this section to prevent their return to the area.

3. NOTICE - City is responsible for determining the scheduled touchdown time or amended touchdown time for all scheduled jet aircraft. City shall provide a 24 hour contact for notification of all non-scheduled landings and shall make reasonable attempts to activate the shoot-scare program for the benefit of those nonscheduled aircraft for which two hour prior notice has not been provided.
4. METHODS - The City's shoot-scare program shall be conducted to keep birds away from the dump site and vicinity of the airport during the times provided in paragraph III - 2 and shall include shooting at birds or using noises or visual effects to frighten birds. City shall have sole discretion regarding the necessity of actually destroying birds.
5. MATERIALS - to be selected by the City in conformity with applicable laws and regulations.

IV. City shall pay the following unliquidated, civil penalty for any failure to comply with the dates given which has not been approved by the court for good cause shown.

1. Acquisition of property - \$250.00 plus \$50.00 for each additional day of delay.
2. Submission of application - \$100.00 plus \$25.00 for each additional day of delay.
3. Commencement of operation - \$1,000.00 plus \$100.00 for each additional day of delay.
4. Final Grading - \$250.00 plus \$50.00 for each additional day of delay.
5. Failure to control birds in accordance with any requirement of Part III - \$100.00 for each day in which one or more violations occur.

DATED this ____ day of _____, 1978, at Anchorage,
Alaska.

John G. Gissberg
Assistant Attorney General
for Alaska Department of
Environmental Conservation

Gary Thurlow
Attorney at Law
for City of Dillingham

O R D E R

Pursuant to the stipulation of these parties, the civil penalty, revised compliance dates and schedule of penalties is approved and ordered.

DATED this ____ day of _____, 1978.

Judge of the Superior Court



Gives You More For Your Landfill Equipment Dollar

Before, during, and after your purchase of a Cat-built machine for your sanitary landfill, CAT PLUS is working for you.

Right at the start, your Cat dealer provides a wide range of CAT PLUS product application services to help you select the right equipment match for your operation. Services that run the gamut from landfill planning and technological assistance to aid in custom engineering equipment to do your job more efficiently.

And once you know the machine you need, your Cat dealer helps you buy it, with flexible equipment financing programs that can be tailored to your individual requirements.

After delivery of your equipment, CAT PLUS works to keep it running at the lowest cost possible. Custom Track Service, Scheduled Oil Sampling and other preventive maintenance programs help you avoid trouble by warning in advance, so you can schedule service at the most convenient time. Fast, expert shop and field service. Parts Exchange Service and Major Component Exchange minimize delay and expense to get you running again if downtime does occur.

And that's not all. CAT PLUS includes operator and serviceman training courses, Cat Care Seminars, assistance in setting up maintenance and cost record systems and a lot more. Whatever it takes to give you the highest total value for your machine investment is available in your Caterpillar Dealer's exclusive CAT PLUS program.

Give your Cat dealer a call while your sanitary landfill is still in the planning stages and get this CAT PLUS "extra value" system working for you right from the start. We'd like to make you another in our long list of sanitary landfill success stories.

You get more from a Caterpillar product.
Because more goes into it.



Caterpillar, Cat and  are Trademarks of Caterpillar Tractor Co.



Cat Landfill Compactors—2 models—the 170 HP, 20 ton 816 and the 300 HP, 32 ton 826B.



Cat track-type Tractors—7 models—62 to 410 HP.



Cat Wheel Loaders—8 models—65 to 550 HP; 1 to 12 cu. yd. buckets. (Including landfill type.)



Cat Wheel Tractor-Scrapers—12 models—standard, elevating, or tandem-powered. 150 to 950 HP. Heaped capacities 11 to 54 cu. yd.

JD646-Bs Battle Sandstone in Santa Fe Landfill

SANTA FE, N.M.—Better compaction, reduced maintenance and fuel savings were three benefits realized when owners and operators of a sanitary landfill serving the city of Santa Fe switched from crawlers to JD646-B Compactors.

The landfill serves 55,000 people, with only ½-acre open for dumping. Andy Roybal, assistant director of environmental services, estimates the total 10-acre tract, open since 1976, will be usable until 1980. "By that time, we should have a real good park-site," says Roybal.

Two John Deere Compactors handle 176 tons of refuse per day, from junked cars to paper waste. Roybal finds they use about 30 percent less fuel than the crawlers they replaced.

"With the sandstone present on this site, and our seven-day work week, service is everything; and our John Deere dealer is great," says Roybal. "He's 65 miles away, but if I called him right now, I could set my watch by him. He'd be here in two hours."





JUNEAU ALASKA

Alaska State Legislature
House

February 27, 1978

MEMORANDUM

TO: Lisa Rudd, Chairman
Community and Regional Affairs

FROM: Representative Nels A. Anderson, Jr. *ah/for NAA*

SUBJECT: Back up material for HB 677

Enclosed for your information is Back up material for HB 677.

The \$250,000.00 appropriation is the \$144,334.00 under Landfill Closeout (Cost) plus the costs of relocation of existing dump which is \$105,000.00. Together the total is \$249,334.00.

The cost of maintenance of the dump is \$45,800.00 which the city should take care of.



CITY OF DILLINGHAM

P.O. BOX 191

DILLINGHAM, ALASKA 99576

TELEPHONE (907) 842-5211 or 842-5212

January 10, 1978

Freeman:

Enclosed is a summary of the figures you asked for with regard to landfill, and sewage treatment costs.

As you know, the legislation has been passed regarding primary treatment for communities having a direct ocean outfall. We should qualify under these guidelines. Rob Spring of IHS was in yesterday and said it would take 6-9 months to write the regs and suggested we hold off on any decision regarding treatment plants until they are finalized. I told him we already had agreed to that.

Consequently he said IHS doesn't want to install sewer in Windfall Hill until we know what type of system to use. I can see his point.

Anyway, the time delay should aid in giving you time to work on this bill.

The enclosures are as follows:

1. Basic cost estimates from WinceCorthell for Sewage Treatment. (Perhaps now negated.)

2. Rough summary from Don Caswell on costs for landfill and treatment plant.

3. Dana Birch's estimated costs regarding landfill close out.

4. Letter from Ivan Widom to Senator Gravel about sewage treatment in Dillingham.

The staff has worked well to complete these facts. I wish you a lot of success in your venture.

GORDON W. RYAN
City Manager

GWR/lrh

LANDFILL CLOSE-OUT

field length - 140 yards/420 feet
 field width - 75 yards/225 feet

420 ft.
 X 225 ft.
 94,500 sq. ft.
 X 2.5 ft.

fill depth - 2.5 feet
 (compaction rate 25%)

236,250 cu. ft.
 = 27

cubic yards fill needed to cover landfill
 @ \$7.50 per cubic yard
 cost of fill to cover landfill site

8,750 cu. yd.
 \$7.50
 \$65,625

POND

length - 40 yards/120 feet
 width - 30 yards/90 feet

120 ft.
 X 90 ft.
 10,800 sq. ft.
 X 20 ft.

depth - 20 feet

216,000 cu. ft.
 = 27

cubic yards needed to fill pond
 @ \$7.50 per cubic yard
 cost of fill for pond

8,000 cu. yd.
 \$7.50
 \$60,000

TRUCK TIME

loading time
 dump time
 travel time - 15 miles @ 30 m/h
 round trip travel time

5 min.
 10 min.
 30 min.
 45 min.

10 loads @ 10 cubic yards
 9000 cu. yards @ 100 cu. yd. daily @ 3 trucks = 30 working days

100 cu. yd. daily

COST

gravel for landfill
 gravel for pond
 D - 7 @ \$593 per day X 30 days
 Grader @ \$313 per day X 3 days

\$65,625
 \$60,000
 \$17,790
 \$919
 \$144,334 ✓

MEMO TO: GORDON RYAN
FROM: DON CASWELL
DATE: 1/9/78
SUBJECT: Costs of relocation of existing dump.

1. Clearing the new dump area
2 weeks work by use of a Bulldozer @ 8 hrs a day
(80 hrs x \$75.00/hr) \$60,000

2. Access Road construction - 1,320 feet (1/4 mile)
1,320 feet long x 20 feet wide x 4 feet deep =
Approximately 7,000 yds @ \$10.00 yd delivered
& spread= \$40,000 + some right-of-way work \$5,000 45,000

TOTAL \$105,000 ✓

SUBJECT: Costs for maintenance of any dump, existing or new.

1. Dump personnel - 2 people @ \$10,000/yr each \$ 20,000

2. Equipment for backfill operators
2 hrs twice a week x 52 weeks = 104 hrs @ \$75.00 7,800

3. Trenching equipment - 10 hrs/mo x 12=120 hrs @ \$150/hr 18,000

TOTAL \$ 45,800

SUBJECT: Costs for sewage disposal and affiliated plant

1. Planned Sewage Plant Construction for an estimated 50,000 G.P.D.
capacity for the use of both Windmill Hill area and Dillingham
proper.
Construction cost \$ 1,000,000 +

2. Annual maintenance costs
A. 2-8 hr. shifts x 7 days/wk= 112 manhours
x \$8.50/hr = \$952/wk x 52 wks= \$49,504/yr
plus overtime or differential in Swing Shift
Estimated maintenance costs \$75,000 - \$100,000/yr.

In all probability a minimum of 3 men would be needed to operate a
full size sewage treatment plant, considering yearly vacations, extra
maintenance and weekends.

The plant I supervised in the lower 48 employed 5 men on a regular basis
on two 8 hr shifts, however it is a fairly complicated plant where one man
doubled as a Laboratory Technician to do the required sewage testing.

01-432-3

SOLID WASTE DISPOSAL

| | | <u>BUDGET</u> <u>FY 79</u> | <u>AMENDED</u> <u>BUDGET</u> <u>FY 79</u> |
|------------------------------|-----------------------------------|-------------------------------|---|
| <u>PERSONNEL SERVICES</u> | | | |
| .100 | Salaries | 3,700. | 3,700. |
| .115 | Overtime | -0- | 500. |
| .110 | Contribution to CETA Salaries | 2,000. | 4,000. |
| .170 | Retirement | 407. | 407. |
| .120 | Health/Accident | 120. | 120. |
| .140 | FICA | 80. | 80. |
| .150 | Contribution to CETA FICA | 121. | 121. |
| .160 | ESC | 24. | 24. |
| .130 | Workman's Compensation | 641. | 641. |
| .131 | Contribution to CETA W.C. | 348. | 348. |
| | Total Personnel Services | <u>7,441.</u> | <u>9,941.</u> |
| <u>CONTRACTURAL SERVICES</u> | | | |
| .210 | Contract Labor/Equipment | 2,500. | 2,500. |
| .220 | Telephone | 150. | 150. |
| | Postage/Air Freight | -0- | -0- |
| .282 | Lease-Landfill Site | 7,500. | 7,500. |
| | Total Contractural Services | <u>10,150.</u> | <u>10,150.</u> |
| <u>COMMODITIES</u> | | | |
| .310 | Miscellaneous Supplies | 500. | 500. |
| .320 | Gas, Oil, Grease | 1,000. | 500. |
| | Total Commodities | <u>1,500.</u> | <u>1,000.</u> |
| <u>CAPITAL OUTLAY</u> | | | |
| .405 | Repairs to Equip./Buildings | 3,000. | 3,000. |
| .406 | Improvements Other Than Buildings | 2,000. | 2,000. |
| .410 | New Equipment | -0- | -0- |
| .411 | Relocate Site | 3,000. | 3,000. |
| .500 | Contingency Relocation | -0- | 20,000. |
| | Total Capital Outlay | <u>8,000.</u> | <u>28,000.</u> |
| | TOTAL SOLID WASTE | <u><u>27,091.</u></u> | <u><u>49,091.</u></u> |