

Transmitted herewith is Bill No. 769 which I have signed into law this date as

Public Law 22-115.

Sincerely yours,

FRANK F. BLAS Governor of Guam Acting

220649

Attachment



TWENTY-SECOND GUAM LEGISLATURE 1994 (SECOND) Regular Session

CERTIFICATION OF PASSAGE OF AN ACT TO THE GOVERNOR

This is to certify that Substitute Bill No. 769 (LS), "AN ACT TO REQUIRE CLOSURE OF THE ORDOT LANDFILL AND TO AUTHORIZE THE GOVERNOR TO FIND AN ALTERNATE SITE," was on the 14th day of April, 1994, duly and regularly passed.

Speaker

Attested:

Herminia Leplerking

HERMINIA D. DIERKING Senator and Acting Legislative Secretary

This Act was received by the Governor this 15th day of April 1994, at <u>5: ([</u>o'clock <u>p</u>.M.

Therease O. L

Assistant Staff Officer Governor's Office

APPROVED:

Governor of Guam Acting

APR 2 5 1004 Date:

Public Law No. 22-115

TWENTY-SECOND GUAM LEGISLATURE 1993 (FIRST) Regular Session

Bill No. 769 (LS) As substituted by the Committee on Rules

Introduced by:

T. S. Nelson M. D. A. Manibusan A.C.Blaz T. C. Ada J. P. Aguon E. P. Arriola M. Z. Bordallo H. D. Dierking C. T. C. Gutierrez P. C. Lujan V. C. Pangelinan D. Parkinson E. D. Reyes J. T. San Agustin F. E. Santos D. L. G. Shimizu J. G. Bamba D. F. Brooks F. P. Camacho T. V. C. Tanaka A. R. Unpingco

AN ACT TO REQUIRE CLOSURE OF THE ORDOT LANDFILL AND TO AUTHORIZE THE GOVERNOR TO FIND AN ALTERNATE SITE.

1 BE IT ENACTED BY THE PEOPLE OF THE TERRITORY OF GUAM:

2 Section 1. Legislative findings. The Ordot Sanitary Landfill has been

3 for many years the exclusive disposal site for all the solid waste of the civilian

population and businesses of Guam. The Legislature finds that it has now
 reached beyond its capacity and there are only three possible alternatives for
 future disposal of solid waste:

4 5

a. Increase the size and physical boundaries of the existing facility;

6

b. Relocate to a new facility with greater long range capacity;

c. Create a new type of any acceptable alternative of disposal
for solid waste.

9 All three of these alternatives are feasible for Guam. However, in the
10 interest of avoiding any greater contamination of existing ground or
11 subterranean water and surrounding areas, the Legislature further finds that
12 the existing site at Ordot should be closed as soon as possible.

13 Section 2. Closure of Ordot landfill. The Ordot Sanitary Landfill shall
14 be closed and all disposal of solid waste thereat terminated no later than
15 three (3) years after the effective date of this Act.

Section 3. New site. The Governor shall initiate steps to determine a new site for a public sanitary landfill. Such new site shall be the major disposal site for solid waste material accumulated on Guam, for which an alternative method of disposal is not available to the public.

20 Section 4. Submission of site to Legislature. Within ninety (90) days 21 after the effective date of this Act, the Governor shall identify a proposed site for the location of the new solid waste landfill and submit to the Legislature a 22 budget request to cover the costs of moving the solid waste disposal 23 operations from Ordot to the new site. The Governor shall submit to the 24 25 Legislature an annual report in March of each of the next three (3) years, 26 which report shall include the status of the progress of activation of the new landfill site, and the deactivation of the Ordot site. The report shall also 27

include details of any alternative method of disposal for solid waste which is
 under consideration or is expected to be implemented on Guam and the
 proposed activation date.

4 Section 5. Environmental Impact Assessment. The Director of Public Works and the Administrator of the Guam Environmental Protection Agency 5 shall initiate steps to inspect, evaluate and assess the conditions existing at 6 the Ordot Landfill which impact on the environment of the area, including but 7 not limited to, leachates to surrounding rivers, groundwaters, and into the 8 9 aquifer, and any potential hazards and contamination to the ecosystem, and 10 to assess any and all costs necessary to clean up and mitigate any 11 environmental consequences. Said report shall be submitted to the Legislature within one hundred eighty (180) days after the effective date of 12 13 this Act.

14 Section 6. Program. The Director of Public Works and the Administrator of the Guam Environmental Protection Agency shall develop in 15 16 coordination with other government departments and agencies an integrated 17 solid waste management program to include but not limited to waste 18 reduction, recycling, composting, resource recovery, glass, tire and metal 19 disposals, and sources of funding for an Environmental Impact 20 Assessment/Statement, for design, and for any and all other costs associated with a new sanitary landfill and the implementation of Guam's integrated 21 22 solid waste management program. Said program shall be submitted to the 23 Legislature no later than ninety (90) days after the effective date of this Act.

Section 7. Rules and regulations. The Director of Public Works shall develop and implement rules and regulations regarding a commercial user fee assessment for commercial entities that utilize the landfill and rules and regulations regarding collection fees. All such rules and regulations shall be

adopted pursuant to the Administrative Adjudication Law. All revenues 1 derived from such fees shall be deposited into a solid waste processing fund 2 hereby established within the Treasury of Guam to be maintained separate 3 4 and apart from other funds including the General Fund, and to be used by the Department of Public Works to operate and maintain the Ordot Landfill and 5 any new landfill and other waste disposal programs. Said rules and 6 regulations shall be submitted to the Legislature within one hundred eighty 7 (180) days after the effective date of this Act. 8

TWENTY-SECOND GUAM LEGISLATURE

1993 (FIRST) Regular Session

TURE 9 Date: 4/14/94

VOTING SHEET

(AS REVISED)

Bill No. <u>769</u>

Resolution No. _____ Question: _____

NAME	AYE	NO	<u>NOT</u> <u>VOTING/</u> <u>ABSTAINED</u>	ABSENT/ OUT DURING ROLL CALL
ADA, Thomas C.				
AGUON, John P.				
ARRIOLA, Elizabeth P.				
BAMBA, J. George				
BLAZ, Anthony C.				
BORDALLO, Madeleine Z.				
BROOKS, Doris F.	land			
CAMACHO, Felix P.	become			
DIERKING, Herminia D.				
GUTIERREZ, Carl T. C.				
LUJAN, Pilar C.	barran	~		
MANIBUSAN, Marilyn D. A.	- t-			
NELSON, Ted S.				
PANGELINAN, Vicente				
PARKINSON, Don	k.			
REYES, Edward D.	\checkmark			
SAN AGUSTIN, Joe T.				
SANTOS, Francis E.				
SHIMIZU, David L. G.	-			
TANAKA, Thomas V. C.	~			
UNPINGCO, Antonio R.				

TOTAL

20 0





CHAIRMAN Committee on General Governmental Operations and Micronesian Affairs Twenty-Second Guam Legislature

April 11, 1994

VICE CHAIRPERSON: Committee on Housing and Community Developments

MEMBER:

Committee on Rules

Committee on Ways and Means

Committee on Water Utilities, Electronic Communications

Committee on Economic-Agricultural Development, and Insurance Honorable Joe T. San Agustin Speaker 22nd Guam Legislature 155 Hessler Street Agana, Guam 96910

Dear Mr. Speaker:

The Committee on General Governmental Operations and Micronesian Affairs, to which was referred **Bill No. 769** (An Act to authorize the relocation of the present sanitary landfill in Ordot and eventual closure of the existing landfill facility) has had the same consideration and now wishes to report back the same with the recommendation to do pass as amended.

The Committee votes are as follows:

To do pass	10
Not to pass	0
To report out only	G
To place in inactive file	C
Other	

A copy of the Committee Report and other pertinent documents are enclosed for your reference and information.

Sincerely, S. NELSON

Enclosures

COMMITTEE ON GENERAL GOVERNMENTAL OPERATIONS AND MICRONESIAN AFFAIRS Twenty-Second Guam Legislature

VOTE SHEET ON BILL NO. 769

An Act to authorize the relocation of the present sanitary landfill in Ordot and eventual closure of the existing landfill facility.

RECOMMENDATION TO DO PASS AS AMENDED

Committee Members	Signature	To Do Pass	Not to Pass	To Report Out Only	To Place in the Inactive File
Senator Ted S. Nelson Chairman	The	k	• •		
Senator Edward D. Reyes Vice-Chairman	(Got)	\checkmark			
Speaker Joe T. San Agustin Ex-Officio Member	101	V			
Senator Thomas C. Ada	HE CON	مسرمر			
Senator J. George Bamba			_		
Senator Anthony C. Blaz	Atue 4				
Senator Felix P. Camacho	7.0				
Senator Herminia D. Dierking	Murking	~			
Senator Carl T.C. Gutierrez	X				
Senator Marilyn D.A. Manibusan	Marily Manihon	\checkmark			
Senator Vicente C. Pangelinan	To A	∇_{ℓ}			
Senator Francis E. Santos	Alma	-/			
Senator Thomas V.C. Tanaka	A	\mathcal{V}			

Introduced

DEC 1 3 '93

TWENTY-SECOND GUAM LEGISLATURE 1993 (First) Regular Session

Bill No. 769 (15)

Introduced by:

AN ACT TO AUTHORIZE THE RELOCATION OF THE PRESENT SANITARY LANDFILL IN ORDOT AND EVENTUAL CLOSURE OF THE EXISTING LANDFILL FACILITY.

BE IT ENACTED BY THE PEOPLE OF THE TERRITORY OF GUAM:

Section 1. The Ordot Sanitary Landfill has been for many years the
 exclusive disposal site for all the solid waste of the civilian population and
 businesses of Guam. It has now reached beyond its capacity and there are only
 three possible alternatives for future disposal:

5 6

7

8

9

a, Increase the size and physical boundaries of the existing facility;

- b. Relocate to a new facility with greater long range capacity; and/or
- c. Create a new type of disposal for solid waste, such as compactor, incinerator, shredder or a combination of these, or any newer, more efficient method available.

10 All three of these are feasible for the Territory. However, in the interest of 11 avoiding any greater contamination of existing ground or subterranean water 12 and surrounding areas, the existing site at Ordot needs to be closed and 13 permanently terminated as soon as possible.

14 Section 2. The Director of the Department of Public Works (the 15 "Director") shall initiate steps to commence a relocation of Guam's designated 16 sanitary landfill to the proposed location known as Gautali in the Municipality 17 of Santa Rita. The Director of Public Works shall coordinate efforts with all 18 other cognizant government departments and agencies in identifying other 19 areas more suitable for the implementation of this Act. The present facility in 20 Ordot shall be terminated and closed for all future disposal within the next three (3) years after enactment of this act. At the time that the proposed site
shall be the major disposal site for all solid waste material accumulated on
Guam, unless an alternative method of disposal is created and activated before
that date, making the landfill unnecessary.

Section 3. Within thirty (30) days after enactment, the Department of Public 25 Works shall identify a proposed site for the relocation of the Solid Waste 26 27 Facility and submit to the Legislature a budget request to cover the costs of 28 moving solid waste disposal operations from Ordot to the alternate site. The Director shall submit to the legislature and to the Chief Executive, an annual 29 report on each month of March, which report shall include the status of the 30 31 progress of activation of either the Gautali or any other alternative site identified, and the deactivation of the Ordot site. The report shall also include 32 details of any alternative method of disposal for solid waste which is under 33 consideration or is expected to be implemented on Guam and the proposed 34 35 activation date.



Sen. Ted S. Nelson Chairman **Committee on General Governmental Operations & Micronesian Affairs**

Twenty-Second Guam Legislature 297-B West O'Brien Drive Agana, Guam 96910

> Telephones: (671) 472-3446-8/472-3501/3569

PUBLIC HEARING

7:00 P.M. TUESDAY, DECEMBER 28, 1993 AGAT COMMUNITY CENTER

AGENDA

I. Bill No. 769: RELATIVE TO AUTHORIZING THE RELOCATION OF THE PRESENT SANITARY LANDFILL IN ORDOT AND EVENTUAL CLOSURE OF THE EXISTING FACILITY. FRED M. CASTRO Administrator

JOANNE M. BROWN Deputy Administrator

LE EXTLUMINE



GUAM ENVIRONMENTAL PROTECTION AGENCY

D-107 HARMON PLAZA, 130 ROJAS ST., HARMON, GUAM 96911 TEL. NO. 646-8863/5 FAX: 646-9402 AHENSIAN PRUTEKSION LINA'LA GUAHAN

DEC 2 8 1993

Senator Ted S. Nelson Chairman Committee on General Governmental Operations and Micronesia Affairs Twenty-Second Guam Legislature 297-B West O'Brien Drive Agana, Guam 96910

Dear Senator Nelson:

The Guam Environmental Protection Agency (Guam E.P.A.) is in support of Bill No. 769 with the following recommendations and in consideration of enclosures provided.

- Provisions should be consistent with and incorporate related provisions in attached Draft 1994 Integrated Solid Waste Management Act including sourcing of funding for: Environmental Impact Assessment/Statement, \$250,000; design of access road, \$500,000; and design of new sanitary landfill, \$5,000,000.
- The Gautali location should referenced as Lot No. 439-121, land owned by the Government of Guam in the municipality of Piti, Guam which is a portion of a larger unsurveyed government land.

Also attached for background reference and projection is strawman working copies of Integrated Solid Waste Management Plan which requires some updating.

Thank you for the opportunity to comment.

Sincerely,

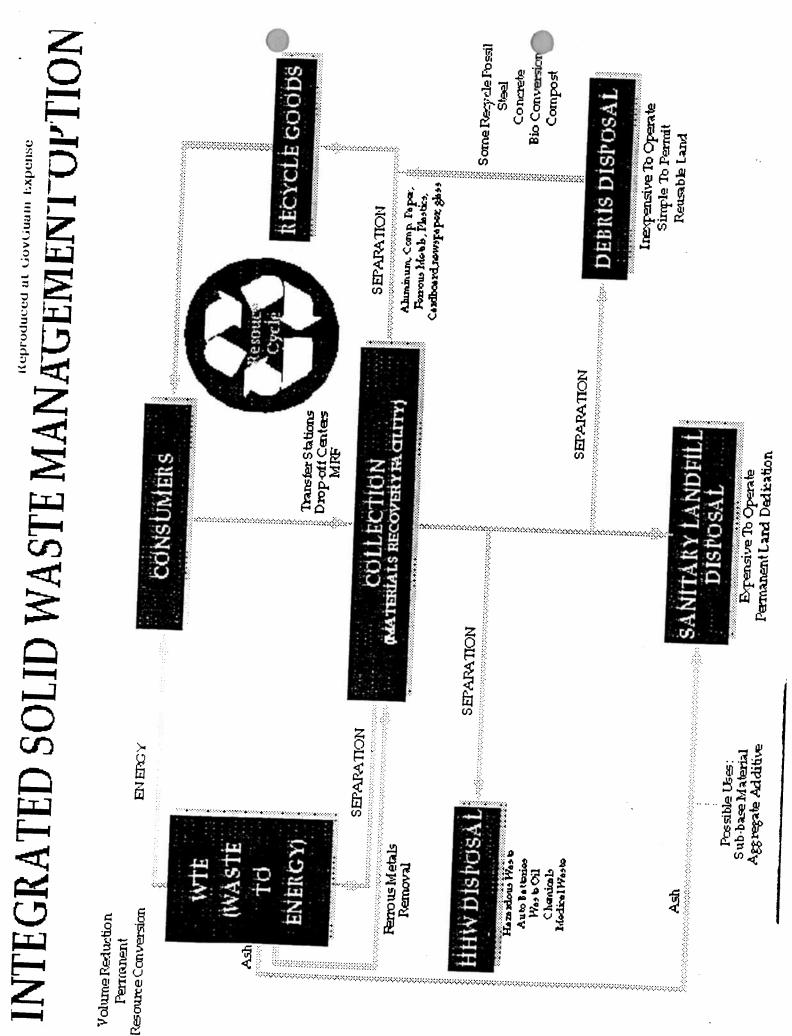
FRED M. CASTRO Administrator



Enclosures

"ALL LIVING THINGS OF THE EARTH ARE ONE"

Commonwealth Now!



мергочисей ат соуслат Expense

Reproduced at GovGuam Expense Page 2 **Milestone** Summary Noncritical Progress Date: 9/20/93 Project: Integrated Plan Critical \$6/9/C \$6/\$7/1 PSL ** levorqqa əvinelsigə.l **6/17/1* (L1) Introduction of Bill No.41 (LS) E6/1/11 P09 43 £6/1/11 Legislative review £6/I/II **P0** 45 Introduction of Bill No.41 (LS) \$6/9/5 E6/I/II Operations begin PSEI 15 \$6/17/1 Aluminum recovery **#6/17/1** PO **0**Þ \$6/17/1 Operations begin 12/13/93 POE **6**E E6/EZ/ZI Shipping period £6/1/01 P09 Establishment of site/Selection of Operator 38 £6/01/71 86/1/11 GSA/DPW sole source procurement of glass pulverizer POE 25 \$6/IZ/I E6/1/01 PI8 98 1 12/23/93 11/12/03 Glass Pulverizer POE SE 12/23/93 Assemble metal shredder E6/21/11 POE ο T. Meyers transport equipment to site ŧE E6/11/11 £6/1/01 POE 33 Construct foundation at Dededo SWTS E6/EZ/ZI £6/I/0I P09 32 \$6/EI/0I Award compost contract Metal shredding \$6/\$/2 P081 IE Construct compost facilities \$6/8/2 \$6/2/2 **P0** 30 Award compost contract \$6/2/2 ٦O \$6/\$1/1 PSI 57 Review Compost proposals Legislative adoption of Bill No..217 \$6/EI/I 12/24/63 PSI 82 26/22/21 Issue Compost RFP 26/22/21 P0 LZ Legislative adoption of Bill No..217 12/23/93 £6/1/01 P09 97 Support passage of Bill No. 217 \$6/EI/01 64 61 62 63 64 61 62 63 64 61 62 63 64 61 62 63 64 61 62 63 £6/1/01 P022 52 \$6/22/11 Composting E6/1/01 P86Z Finish 54 **S66I** Start Dur 166I Recycling Activities esnegral menovoù le bebrodueed al Coveram Expense 53 эшвИ aı

 $\frac{1994}{Q4} \frac{1995}{Q4} \frac{1996}{Q1} \frac{1997}{Q2} \frac{1998}{Q3} \frac{1996}{Q4} \frac{1997}{Q1} \frac{1998}{Q2} \frac{1998}{Q3} \frac{Q4}{Q1} \frac{Q1}{Q2} \frac{Q3}{Q3} \frac{Q4}{Q1} \frac{Q1}{Q2} \frac{Q1}{Q3} \frac{Q1}{Q1} \frac{Q1}{$ Award contract for landfill engineering and design **E** Lendfill design submittal Notice to construct Award contract for EIS EIS submission יייורייטירה טכרור אלטוב אולואלפבואבאין רבאני 10142 1.0 Summary 12.12 1/16/96 Finish 2/3/94 2/24/94 2/24/94 6/30/94 2/3/94 2/24/94 6/30/94 7/20/94 7/20/94 10/12/94 10/12/94 11/22/94 11/23/94 1/16/96 10/1/93 10/1/93 1/14/94 2/24/94 Start 6/30/94 2725/94 10/12/94 Page 4 2/4/94 2/24/94 7/21/94 7/20/94 10/12/94 11/23/94 2/4/94 11/23/94 598d Dur <u>8</u> 15d 15d 105d 3 PQG 15d 3 **PQ** 900F Milestone В **3**04 В 8 Progress Submit compliance program for Subuile D (RCRA) Award contract for landfill engineering and design Review landfill engineering and design proposals Issue landfill engineering and design proposal Issue Environmental Impact Statement RFP Landfill engineering and design development Noncritical Critical Sanitary Landfill Development Landfill design submittal Award contract for EIS Review EIS proposals Review landfill design Landfill construction Notice to construct Project: Integrated Plan Date: 9/20/93 Commence EIS EIS submission Name 9 67 68 69 70 71 72 73 74 75 76 17 78 79 80 81 82 83 84 85 86 87 88

reproduced at GovGuam Expense

TABLE OF CONTENTS

- I. Introduction
- II. Definitions

с.

- III. Integrated Solid Waste Management Executive Summary
- Management Formation
 - Reorganization of Department a.
 - b.
 - Selection of Director, Chief Engineer and SWMF Officer Redefined Mission Statement c.
 - Appointment and confirmation of Board of Directors d.
- V. Existing Conditions and Projections
 - - Inventory of Solid Wastes a.
 - 1. 2.
 - Existing residential and commercial waste generation Existing industrial waste generation 3.
 - Existing other waste generation 4.
 - Existing total waste generation
 - b. Inventory of Existing Facilities
 - - 1.
 - Existing public solid waste disposal facilities Existing private solid waste disposal facilities 2.
 - Existing resource recovery (WTE) facilities 3.
 - 4. Existing incinerators
 - 5.
 - Existing recycling activities 6.
 - Existing composting facilities 7. Map location of all facilities
 - Inventory of Existing Solid Waste Collection Systems
 - 1. 2.
- Existing collection systems and routes
 - Existing transportation systems and routes Motor/Freight Trucking companies
 - Other transportation systems b.
 - 3.
- Existing solid waste transfer station facilities Population projections for the next five and ten years. VI.
- VII. Projections of Solid Waste Generation for the next five and
 - a.
 - Projected residential and commercial waste generation b.
 - Projected industrial waste generation Projected waste generation reductions due to recycling, с. waste minimization and reuse activities and disposal

ceproduced at GovGuam Expense

DRAF

- с. d.
- Daily monitoring and random inspection
 - Diversion of recyclable management facilities. materials to solid waste
- XIV. Solid Waste Management Systems Goals and Objectives
 - Waste reduction and recycling goal a.

 - Strategy for meeting recycling goal Implementation schedule 2.
 - 3.
 - Initial program components and activities
 - Recycling education curricula expansion b.
 - с.
 - Pilot program school container drop-off system Regional SWTS composting facilities New Facilities and Activities b.
 - 1. Sanitary landfill
 - 2.
 - Resource recovery (waste-to-energy) facility 3.
 - 4.
 - Tire disposal process 5. Metal shredder
 - 6.
 - SWTS improvements c.
 - d.
 - Projected Waste generation at baseline year 1996 Landfill and waste-to-energy disposal restrictions Household hazardous waste management plan e.

DRAFT

3. Projections of residential, business, military and other institutional solid waste that will be generated within the Territory during the five (5) and ten (10) year periods following the effective date this Act. Such solid waste projections will utilize the population growth rate adopted by the I'Tano-ta Land Use and Highway Master Plans (2.4 % per year).

4. Based upon both five (5) and ten (10) year periods, projections for increase/decrease in solid waste management

5. Based upon both five (5) and ten (10) year periods, projections for decreases in solid waste disposal as a result of source reduction, recycling and solid waste management facilities;

6. Evaluate internal hazardous waste disposal policies. Effect necessary changes to improve collection, storage and transfer of such materials as it deems in the best public interest to permitted processors and/or approved solid waste management facilities.

SUBTITLE D COMPLIANCE:

Immediately coordinate with the GEPA, provide joint submission to U.S. EPA Region IX Guam's compliance program to meet Subtitle D regulations.

FEES:

Within 90 days, develop and implement through the Administrative Adjudication Act process, establish, maintain and collect rates and charges for the collection, processing and/or disposal of solid waste within Guam, including, but not limited to, fees assessed to owners of dwellings, fees assessed to any other generators or collectors, and fees received at any solid waste management facility within the Territory, including the Ordot landfill, provided that such rates and charges, together with such amounts, any, as shall have been theretofore appropriated by the Legislature and available for such purpose, shall be at least sufficient to permit the government, GEPA and the Department to carry out the Plan and to meet their respective covenants and financial obligations relating to the solid waste management system or to any solid waste management facility, including, but not granted by, the government, GEPA or the Department or to which any of them is a party.

Residential fees shall be separately identified and included in the PUAG customer billing. Commercial user fees shall be totalled monthly and transmitted on a monthly basis to the respective collector(s). All revenues generated through such fees shall be deposited into a separate and non-commingled account within the General Fund, called the Solid Waste Management Fund. The SWM Fund shall be used for the following in order of priority:

DRAFT

- a. Used tires;
- b. Green waste;
- c. Aluminum products; and
- d. Glass e. White
 - White goods/Metal scrap/Abandoned vehicles

2. Forbidding disposal of these items in landfill or incineration waste streams after effective date of November 2, 1994;

3. Educating the public about how to comply by means of brochures for residents on how to separate trash in special containers, for each tire or battery purchaser regarding an advance disposal fee, and other methods;

4. Commanding consumers' source separation of the recyclables at curbside or central locations (school pilot program); and enforcing the requirements for source separation through a well publicized warning and penalty provision;

5. Empowering a public official to contract for the service of a recycled materials collector and/or for sales of the collected materials at the best available market price;

6. Delineating in writing the governmental and private sector roles in either conducting/contracting for the collection, sorting, and delivery of recyclables:

7. Penalizing the unauthorized taking of recyclables from curbside or collection locations; and

8. Increasing penalties for illegal dumping to \$2,500 per first offense, and \$5,000 thereafter so as to stimulate close adherence to the required separation rules.

Upon creation of this integrated program, promulgate rules for public hearing pursuant to Administrative Adjudication Law;

Transmit such rules and regulations to the Legislature for review. Within 45 days, receive changes, modifications, rejection or approval by Legislature.

Upon adoption of these rules, issue various Requests For Proposals for contractual services relating to processing, disposal and/or marketing of certain items such as used tires, batteries, aluminum cans, green waste, metal scrap and glass.

Upon adoption of these rules, effect procurement for pilot program compartmentalized containers for at least six (6) public schools.

Upon receipt of all proposals, evaluate each category and enter into such contracts for such recycling services as it deems to be in the best public interest. All such contracts, unless pursuant in government provided steel drum(s). Waste directed to Hazardous waste processor (Advanced disposal fee candidate).

DRAFT

Develop and effect passage of legislation which mandates procurement preference of local recovered or recycled materials.

MATERIALS RECOVERY FACILITY:

Within 30 days, initiate site selection process for development of Materials Recovery Facility (MRF). Consult with DLM Land Administration staff to determine three (3) potential sites offering central location, proximity to Port facility and other solid waste management facilities;

Within 15 days, issue RFP for preliminary environmental baseline survey and topographic survey;

Upon consummation of contract, establish 180 day deadline for environmental survey and topographic survey;

Within 15 days, evaluate environmental baseline survey findings;

Within 60 days, submit request for fee simple title transfer of proposed property to Department through Legislative action;

Within 15 days issue RFP for development of a Materials Recovery Facility (MRF);

Within 15 days after RFP deadline, evaluate proposals and submit findings and recommendation to Legislative approval and request appropriation based upon same (Support passage of Bill No.47 (LS) Senator John Aguon;

Upon completion of construction, private recycling contractors and/or non-profit organizations will be afforded first right to lease space at the Materials Recovery Facility.

COMPOSTING:

Within 30 days of adoption of these rules, issue RFP for proposals for Compost services. Initial collection sites will be Dededo, Molojloj, and Agat SWTS and Ordot landfill;

Within 15 days after RFP submission deadline, evaluate proposals, submit findings and recommendations to Legislature.

Within the next 45 days, draft and introduce legislation to request appropriation of \$500,000 to facilitate procurement of compost equipment which shall be leased to selected private contractor. Selected contractor shall have first right of refusal to purchase equipment at end of each three (3) year renewal period. (Support passage of Bill No. 217, Senator Doris Brooks); Reproduced at GovGuam Expense

DRAFT

INTEGRATED SOLID WASTE MANAGEMENT PROGRAM

Background:

Landfilling has been the predominent means of disposal on Guam. The limited land area, increased land values and greater demands for residential and commercial land use have severely restricted the available sites for landfill. Water resources in the limestone aquifer to the north, stream flows in central Guam and Fena reservoir in the sourth also prohibit landfill development in these areas. Consequently, realizing all these issues, the Authority in cooperation with the Department of Public Works, began the arduous task of selecting the new landfill site.

A two-tiered criteria analysis was used as part of the site justification process as follows:

Primary Criteria:

-Ground & Surface Water Contamination -Distance to Residential Communities -Accessibility to Major Roadways -Land Use and Zoning -Public/Private Lands -Natural Resources (Parks & Conservation Districts) -Adequate Capacity

Secondary Criteria:

-Availability of Cover Material -Archaeological & Historic Significance -Existing Utilities -Displacements -Travel Distance from Generation Centers -Visual Impacts -General Nuisance

Through earlier studies, some thirty four (34) sites were noted. Although some were designated temporary, this preliminary study attempted to address any and all options. Based on the above criteria, three (3) sites were considered as potential landfill candidates:

Site No. 11 Malaa Site No. 12 Agat Site No. 18 GORCO

These three potential sites were then further evaluated based upon physical/social/political circumstances and weighing the long-term benefits and attributes of other complementary and/or supportive infrastructure. In this case the potential development of the waste-to-energy facility near the GORCO site presented valid American Samoa, Commonwealth of the Northern Mariana Islands, Guam and Hawaii, the consultancy team, Pacific Basin Development Council and Ross & Associates with R.W. Beck and Associates, provided the following summary findings:

- No single approach to municipal solid waste (MSW) management (recycling, source reduction, incineration, or landfilling) will solve the MSW problems
- 2. There are recycling options that are feasible in the American Flag Pacific Islands (AFPI), and markets exist for most of the materials considered
- 3. The cost and benfits of the five (5) recycling systems considered in the analysis vary with (a) the mix of materials included in the systems and (b) the collection approach used
- 4. The economics of recycling depend heavily on how "avoided costs" are calculated. In the PBDC\Ross & Associates analyses, "avoided costs" are the "cost-savings" when waste materials are diverted to landfill-each ton of material recycled is one less ton of waste requiring disposal
- 5. The amount of waste that could be diverted from landfills by recycling in American Samoa, CNMI and Guam ranges from 2% to 18% of the total waste produced
- Cooperation among the AFPI on the off-island recycling options analyzed does not appear to improve the cost-effectiveness of recycling
- 7. The economic feasibility of recycling will improve if the demand for goods that contain recycled materials increases
- 8. The are a range of MSW management measures besides off-island recycling that could result in less wasted produced or would generate income to support recycling that could be implemented by AFPI governments. These include advance disposal fees and restrictions on importation of certain packaging materials and containers

In short, a practical approach to recycling, must be struck between all concerned parties. Two (2) primary goals must be achieved:

1. The MSW collection and processing systems should provide locally appropriate level(s) of service designed to meet political, health and regulatory requirements; and

2. The MSW collection and processing systems should accomplish their defined service requirements at the lowest possible cost.

DRAFT

Bill No. 237, An Act to Add a New Section 19302.2 to the Government Code of Guam Establishing a Solid Waste Processing Fund and to Authorize the Director of the Department of Public Works to Promulgate Rules and Regulations Establishing a Commercial User Fee Assessment

and a coronall pypelise

This basic objective of this bill was to establish a direct consumption-disposal cost relationship to solid waste. Also, it would release \$2.7 million from the federal government to Guam. A Solid Waste Processing Fund shall be established within the Treasury of Guam, maintained separate and apart from other funds including the General Fund, and shall be used by DPW to operate and maintain the Ordot Landfill. Moreover, the Director of DPW, subject to the provisions of the Administrative Adjudication Law, shall develop and implement rules and regulations regarding a Commercial User Fee assessment for commercial entities that utilize the landfill. All revenues derived from the fee shall be deposited into the fund and expended in accordance to the provisions outlined.

Upon establishment and implementation of the Commercial User Fee, recycling would present an purely financial alternative to simple landfilling.

Bill No. 217, An Act to Establish Regional Public Composting Facilities throughout the Island by Amending Section 51102 and Adding Section 51103.1 to Title 10 of the Guam Code Annotated, Requiring the Department of Land Management to Identify Sites for Such Regional Composting Facilities and Authorizing \$500,000 to be Appropriated from the General Fund to the Department of Public Works for the Establishing and Equipping of Such Facilities.

This bill received overwhelming support during its public hearing. As proposed, approximately six (6) sites will be designated throughout the island as processing centers for composting "green waste". Rules and regulations would be promulgated by DPW to ban the deposit of organic solid waste at the landfill unless a regional compost facility is sited there, require the separation of solid waste, prohibit public and private collection of unseparated waste, and award consessions to a private contractor or contractors for the operation of the regional composting facilities.

At present there is nothing to preclude the implementation of this bill. The three existing DPW solid waste transfer stations can function as composting depository sites, as well as the existing landfill. Consequently, at least two new sites need to be designated. The equipment procured from this appropriation may be leased to the private contractors on a lease-to-own arrangement. This would encourage private business by minimizing business startup costs. any fees to the owner of the same." This law may need to be repealed in order to effect this direct cost relationship.

Bill No. 41 (LS) An Act to Repeal and Reenact 10 GCA Chapter 54 Relative to the "Recycling Act of 1993", to Createa Task Force to Develop Guidelines for Refundable Deposit Fees on Recyclable Products and to Appropriate Fifty Thousand (\$50,000) from the General Fund to the Guam Environmental Protection Agency for the Establishment of a Recycling Deposit Fund

This bill formalizes the refundable deposit concept. The process requires dealers and distributors to collect at the point of sale deposit fees set by the GEPA Board. Private sector resistance to this mechanism is founded on increased administrative costs for this program and pass-through costs to consumers. The projected increase in administrative costs by both dealers and distributors can be resolved through an assessment (fixed percentage) of gross sales, with a fixed per container refund value. Additionally, these same businesses can and will be encouraged to collect the refunded amounts themselves to offset so called losses. Consumers could be informed either through product display or receipt that this product's price is increased to account for its respective.

Bill No. ____, An Act to Provide Integrated Solid Waste Management

Known more commonly as the "Omnibus Bill," this legislation has received substantive review and scrutiny. This legislation establishes a new department solely responsible for solid waste management. This bill also establishes the comprehensive disposal strategy for solid waste, inclusive of source reduction, recycling/composting, waste-to-energy technology and landfill. Further, it promotes and supports the development of markets for recycling goals for the Territory.

The Department of Solid Waste Management:

1. Shall prepare and adopt of the interim Integrated Solid Waste Management Plan;

2. Shall prepare and adopt of the final Integrated Solid Waste Management Plan;

3. Shall adopt and Enforce rules, regulations and other procedures for the implementation and enforcement of the Plan and the Solid Waste Management System created by the Plan;



generators disposing of solid waste at a WTEF, the MRF or any other solid waste facilities. Such fee shall be based upon the weight and character of the solid waste being disposed;

11. Shall administer, supervise and fulfill the responsibilities of the Government in any contract entered into for the development, construction or operation of a solid waste management facility;

12. Shall establish and administer a program for the recycling of recyclable materials within the Territory;

13. Shall establish such solid waste mangement for the collection, storage or transfer of solid waste as it deems to be in the best public interest. It may, consistent with the Government Procurement Act or otherwise pursuant to an existing license, enter into contracts with private persons for the development, financing, construction or operation of such facilities; and

14. Shall provide technical assistance to local and Federal agencies, and other persons, and cooperate with appropriate local agencies and private organizations in carrying out the duties under the Plan.



JOSEPH F. ADA Governor FRANK F. BLAS Lieutenant Governor DEPARTMENT OF LAND MANAGEME

(DIPATTAMENTON TANO') Government of Guam P.O. B(~ 2950 Agana, Gu~m 96910 Tel: (671) 475-LAND + Fax: (671) 477-088



F. L. G. CASTRO Director

December 28, 1993

JOAQUIN A. A CTALLE Deputy Director

The Honorable Ted S. Nelson Chairman, General Governmental Operation and Micronesian Affairs Twenty-Second Guam Legislature Agana, Guam, 96910

SUBJECT: LEGISLATIVE BILL NO. 769

Dear Mr. Chairman:

Ł

Confirmed receipt of your letter dated December 20, 1993 concerning Legislative Bill No. 769 and in light that I felt that the intent of the Bill can better be address by Public Works and the Guam Environmental Protect on Agency, I have chosen to yield to their positions. I do not feel that I have the expert of on the area of concerned and therefore, it's best in yielding to the positions of the solic agencies.

Sincerely Yours,



The Honorable Ted S. Nelson Chairperson, Committee on General Governmental Operations and Micronesian Affairs 22nd Guam Legislature 297-B West O'Brien Drive Agana, Guam 96910

RE: Bill No. 769

Dear Senator Nelson and Members of the Committee:

My name is Eleanor F. Borja, Management Analyst IV, for Solid Waste Management Division, Department of Public Works.

Without hesitation, I wholeheartedly supported the passage of Bill No. 769.

The objective of a landfill is to protect, preserve and promote the physical health, mental health and social well-being of the people of Guam, by requiring adequate planning for solid waste disposal and by requiring that the disposal of solid waste be accomplished in such a manner as to create a healthful, aestheticall desirable, useful and safe environment.

As you are all evare, there is a need for the development of a new sanitary landfil to include a compactor, recycling, shredder, and incinerator machines so that the volume of solid waste to be disposed at the site will significantly be reduced and the life span of the landfill can go beyond its capacity. Ordot Landfill has been in operation since 1945 (under the jurisdiction of the Federal Government). The Government of Guam took over the operation in 1958 and since then has been operation the Ordot Landfill on a land consisting of 52 acres. The existing landfill has reaits total capacity and to continue to overload the system, it will not be able to meet its objectives.

The existing samitary landfill can become a desirable asset to the community if, when closed, the site can be used for parks or recreational purposes.

The attached statistics proves that there will be an increase of 75% of solid waste to be discosed by the year 2000, therefore, we are in dire need of a new land fill.

Sincerely,

Elson 7. Por

ELEANOR F. BORJA

VOLUME OF SOLID WASTE RECEIVED AT ORDOT LANDFILL

2

х х

SOURCE OF WASTE	TYPE OF WASTE	10				CUBIC YA		
Commercial	Connercial		1988	1989	1990	1991	1992	1993 (JAN. TO JULY)
Other	Household		96,405	242,498	315,186	385,323	773,218	,
Government	Household		109,649	158,109	158,172	158,518	277,944	4 31,554 1 11,115
Commercial	Household		106,641	93,744	68,183	128,889	275,506	146,632
Commercial	Other		84,989 1,543	157,503	370,484	98,673	22,670	311
Government	Other		47	3,994 - 0 -	5,630	186,810	359,288	82,738
Vernment Commercial	Demolition		352	- 0 -	- 0 -	1,393	1,906	529
Military	Demolition		36,085	86,979	50,817	519 83,095	98	648
Other	Other Demolition		20	- 0 -	- 0 -	216	9,095 153	90 i,
Other	Other		4,501	26,570	27,441	5,257	- 0 -	18 - 0 -
			279	- 0 -	- 0 -	11,715	- 0 -	- 0 -
		TOTAL:	440,511 CY	769,397 CY	995,913 CY	1,060,408 CY	1,719,858 C	Y 773,635 CY

POPULATION PROJECTIONS (Based on percentage distribution and annual rate of increase)

	PERCENT DISTRIBUTION						·····		<u> </u>		
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1000	
GUAM	1.00000	136,226	139,371	142,589	145,881	149,249	152,695	156,220	159,827	1999 163,517	2000
Agana	0.00855	1,165	1,192	1,220	1,248	4.077					107,292
Agana Heights	0.02738	3,730	3,816	3.904	3,995	1,277	1,306	1,336	1,367	1,399	1,431
Agat	0.03725	5,075	5,192	5,312	•	4,087	4,181	4,278	4,376	4,477	4,581
Asan	0.01555	2,118	2,167	2,217	5,434 2,268	5,560	5,688	5,819	5,954	6,091	6,232
Barrigada	0.06644	9,050	9,259	9,473	-	2,320	2,374	2,429	2,485	2,542	2,601
Chalan Pago/Ordot	0.03343	4,554	4,659	4,766	9,692 4,876	9,915	10,144	10,378	10,618	10,863	11,114
Dededo	0.23828	32,461	33,210	33,977	4,878 34,761	4,989	5,104	5,222	5,343	5,466	5,592
narajan	0.01854	2,526	2,584	2,644	2,705	35,564	36,385	37,225	38,084	38,964	39,863
Mangilao	0.07873	10,725	10,973	11,226	11,485	2,768	2,831	2,897	2,964	3,032	3,102
Vierizo	0.01308	1,782	1,823	1,865	1,908	11,750	12,022	12,299	12,583	12,874	13,171
Mongmong/Toto/Maite Piti	0.04390	5,980	6,118	6,259	6,404	1,953	1,998	2,044	2,091	2,139	2,188
	0.01863	2,537	2,596	2,656	2,717	6,552 2,780	6,703	6,858	7,016	7,178	7,344
Santa Rita	0.08414	11,463	11,727	11,998	12,275	12,558	2,844	2,910	2,977	3,046	3,116
Sinajana Talatata	0.01996	2,719	2,782	2,846	2,912	2,979	12,848	13,145	13,449	13,759	14,077
alofofo	0.01735	2,363	2,418	2,474	2,531	2,979 2,589	3,048	3,118	3,190	3,264	3,339
amuning ·	0.12522	17,058	17,452	17,855	18,267		2,649	2,710	2,773	2,837	2,902
Imatac	0.00674	918	939	961	983	18,689 1,005	19,120	19,562	20,013	20,475	20,948
ïgo ona	0.10674	14,541	14,877	15,220	15,572	1,005	1,029	1,052	1,077	1,102	1,127
una	0.04009	5,461	5,587	5,716	5,848		16,299	16,675	17,060	17,454	17,857
lote: These projections					0,040	5,983	6,122	6,263	6,407	6,555	6,707

 r^1

•

Note: These projections assumed no in or out migration, that the rate of growth for the island remained constant, and that the proportion of the total population residing in each district remained constant.

. ... SUSTICITY AND HOUSING

,	þ	POPULATION		HOUSING UNITS							
	1990	1980	1970	Percentage Change 1980-1990 1970-1980					Percentage Change		
						1990	1980	1970	1980-1990	1970-198	
GUAM	133,152	105,979	84,996	25.6	24.7	35,223	28,249	16,680			
Agana	1,139	896	0.440			•	20,240	10,000	24.7	69.4	
Agana Heights	3,646	3,284	2,119	27.1	-57.7	416	384	515	8.3		
Agat	4,960	3,999	3,156	11.0	4.1	1,008	971	669	0.3 3.8	-25.4	
Asan	2,070	-	4,308	24.0	7.2	1,300	990	819	31.3	45.1	
Barrigada	8,846	2,034 7,756	2,629	1.8	-22.6	620	589	581	5.3	20.9	
Chalan Pago-Ordot	4,451	3,120	6,356	14.1	22.0	2,140	1,930	1,307	4 ,*	1.4	
Dededo	31,728	•	2,931	42.7	6.4	1,047	738	526	10.9	47.7	
narajan	2,469	23,644	10,780	34 .2	119.3	7,541	5,558	2,295	41.9 35.7	40.3	
Mangilao	10,483	2,059	1,897	19.9	8.5	553	455	321		142.2	
Aerizo	1,742	6,840	3,228	53.3	111.9	2,699	2,067	321 740	21.5	41.7	
Aongmong-Toto-Maite	5,845	1,663	1,529	4.8	8.8	469	398	271	30.6	179.3	
Piti	5,845 1,827	5,245	6,057	11.4	-13.4	1,742	1,490		17.8	46.9	
Santa Rita		2,866	1,284	-36 .3	123.2	554	503	896	16.9	66.3	
Sinajana	11,857	9,183	8,109	29.1	13.2	2,343	2,253	239	10,1	110.5	
alofoto	2,658	2,485	3,506	7.0	-29.1	712	619	1,610	4.0	39.9	
amuning	2,310	2,006	1,935	15.2	3.7	548	445	680	15.0	-9.0	
matac	16,673	13,580	10,218	22.8	32.9	6,296		350	23.1	27.1	
igo	897	732	813	22.5	-10.0	188	4,788	2,208	31.5	116.8	
ona	14,213	10,359	11,542	37.2	-10.2	3,686	147	130	27.9	13.1	
	5,338	4,228	2,599	26.3	62.7		2,898	2,056	27.2	41.0	
ote: Includes non-immigrar						1,361	1,026	467	32.7	119.7	

r

•

.



COMMITTEE ON GENERAL GOVERNMENTAL OPERATIONS AND MICRONESIAN AFFAIRS

TWENTY-SECOND GUAM LEGISLATURE 155 Hesler Street, Agana, Guam 96910

COMMITTEE REPORT

ON

BILL NO. 769

"An Act to authorize the relocation of the present Sanitary Landfill in Ordot and the eventual closure of the existing Landfill Facility."

COMMITTEE MEMBERS

Chairman: Ted S. Nelson Vice Chairman: Edward D. Reyes Ex-Officio Member: Speaker Joe T. San Agustin

Thomas C. Ada Herminia D. Dierking Carl T. C. Gutierrez Vicente C. Pangelinan Francis E. Santos

J. George Bamba Anthony C. Blaz Felix P. Camacho Marilyn D.A. Manibusan Thomas V.C. Tanaka

PROFILE ON Bill No. 769

Official Title: "An Act to authorize the relocation of the present Sanitary Landfill in Ordot and the eventual closure of the existing Landfill Facility."

Date Introduced: December 3, 1993

Main Sponsor(s): T.S. Nelson

Referral:

Committee on General Governmental Operations and Micronesian Affairs on December 9, 1993.

Public Hearing: 7:00 p.m. Tuesday, December 28, 1993 at the Agat Community Center, Agat.

COMMITTEE REPORT

BILL NO. 769

"An Act to authorize the relocation of the present Sanitary Landfill in Ordot and the eventual closure of the existing Landfill Facility."

I. BACKGROUND

The Ordot Sanitary Landfill for many years has been the exclusive disposal site for the entire Guam population, and has now reached beyond its capacity. The intent of Bill No. 769 is to have the Director of Public Works, and the Administrator of the Guam Environmental Protection Agency, initiate steps to relocate the existing Ordot Sanitary Landfill to the proposed location known as "Gautali" in the Municipality of Agat. The committee conducted a Public Hearing 7:00 p.m. Tuesday, December 28, 1993 at the Agat Community Center.

Committee Members Present:

Senator T.S. Nelson, Chairman Senator T.C. Ada

II. SUMMARY OF TESTIMONY

Testifying:

Mayor Antonio C. Babauta Mayor Gregorio C. Borja Administrator Fred Castro, GEPA Tony Quinata, DPW Engineering Eleanor Borja, DPW Cel Babauta Evagelis "Ivan" Babauta

Mayor Tony Babauta provided the committee with oral testimony in support of Bill No. 769. Mayor Babauta continued that the situation at the Ordot Landfill is at a critical stage and that the need to identify another site is imperative. Mayor Babauta suggested that instead of appropriating new funds for the relocation of the Ordot Sanitary Landfill, the funds should be transferred to the lead departments and/or agencies to implement the relocation. Mayor Babauta requested that the committee act expeditiously to resolve this problem.

Mayor Greg Borja also provided the committee with oral testimony in support of the bill. Mayor Borja comments were also along the same line as Mayor Babauta. Additionally, Mayor Borja discussed the need for the Department of Public Works to work expeditiously implement the operations of the shredder that has been on hold for quite some time now.

Director Fred Castro provided with committee with written testimony in support of the bill. In his testimony, Mr. Castro recommended that the provisions of the bill be consistent with the Draft 1994 Integrated Solid Waste Management Act. Mr. Castro continued that funding is needed for an Environmental Impact Assessment/Statement, for the design of an access road, and funding for the design of a new sanitary landfill. Finally, Mr. Castro clarified that the location for the "Gautali" area should be identified as Lot No. 439-121 owned by the Government of Guam in the Municipality of Piti, Guam.

Tony Quinata, DPW Engineering testified in support of Bill No. 769 and provided the committee with current status of the Ordot Landfill. Mr. Quinata recommended that the committee amend §2(c) of Public Law 22-18, to transfer Government of Guam owned property from the Public Utility Agency of Guam to the Department of Public Works for the purpose of relocating the Ordot Sanitary Landfill.

Ms. Eleanor Borja, a Management Analyst IV with the Department of Public Works Solid Waste Management Division, provided written testimony in support of the bill which included statistics on the volume of solid waste received at the Ordot Landfill. Mrs. Borja urged that with the situation that now exist at the Ordot Sanitary Landfill, there is a need to close the existing landfill and identify a new location.

Mr. Cel Babauta provided the committee with an oral testimony in support of the bill. Mr. Babauta commended the committee on pursuing the problem of the Ordot Sanitary Landfill. He encouraged that the Department of Public Works and the Guam Environmental Protection Agency implement educational awareness programs regarding the recycling and disposal of waste materials.

Mr. Evangelis "Ivan" Babauta provided the committee with oral testimony in support of the bill. Additionally, Mr. Babauta expressed his opposition to the Guam Environmental Protection Agency's Proposal to create a new "Division of Solid Waste Management," due to the government's financial situation.

III. FINDINGS

With the critical situation that exist at the Ordot Sanitary Landfill, the committee finds that there is a need to address the relocation of the landfill immediately. The committee has been informed by the Department of Public Works that the expected remaining lifespan of the Ordot Sanitary Landfill is between 3 to 5 years. Therefore, with the testimony received, and the recommended amendments to the bill, the committee wishes to report out Bill No. 769 to the legislature for action.

IV. RECOMMENDATIONS

The Committee on General Governmental Operations and Micronesian Affairs hereby reports out Bill No. 769 to the Twenty-Second Guam Legislature with the recommendation **TO DO PASS Bill No. 769 as amended by the Committee on General Governmental Operations and Micronesian Affairs.**

ý .

Introduced

DEC 1 3 '93

TWENTY-SECOND GUAM LEGISLATURE 1993 (First) Regular Session

Bill No. <u>769</u> (15)

Introduced by:

AN ACT TO AUTHORIZE THE RELOCATION OF THE PRESENT SANITARY LANDFILL IN ORDOT AND EVENTUAL CLOSURE OF THE EXISTING LANDFILL FACILITY.

BE IT ENACTED BY THE PEOPLE OF THE TERRITORY OF GUAM:

Section 1. The Ordot Sanitary Landfill has been for many years the
 exclusive disposal site for all the solid waste of the civilian population and
 businesses of Guam. It has now reached beyond its capacity and there are only
 three possible alternatives for future disposal:

5

a, Increase the size and physical boundaries of the existing facility;

6

b. Relocate to a new facility with greater long range capacity; and/or

c. Create a new type of disposal for solid waste, such as compactor,
incinerator, shredder or a combination of these, or any newer,
more efficient method available.

10 All three of these are feasible for the Territory. However, in the interest of 11 avoiding any greater contamination of existing ground or subterranean water 12 and surrounding areas, the existing site at Ordot needs to be closed and 13 permanently terminated as soon as possible.

Section 2. The Director of the Department of Public Works (the "Director") shall initiate steps to commence a relocation of Guam's designated sanitary landfill to the proposed location known as Gautali in the Municipality of Santa Rita. The Director of Public Works shall coordinate efforts with all other cognizant government departments and agencies in identifying other areas more suitable for the implementation of this Act. The present facility in Ordot shall be terminated and closed for all future disposal within the next three (3) years after enactment of this act. At the time that the proposed site
shall be the major disposal site for all solid waste material accumulated on
Guam, unless an alternative method of disposal is created and activated before
that date, making the landfill unnecessary.

25 **Section 3.** Within thirty (30) days after enactment, the Department of Public 26 Works shall identify a proposed site for the relocation of the Solid Waste 27 Facility and submit to the Legislature a budget request to cover the costs of 28 moving solid waste disposal operations from Ordot to the alternate site. The 29 Director shall submit to the legislature and to the Chief Executive, an annual 30 report on each month of March, which report shall include the status of the 31 progress of activation of either the Gautali or any other alternative site 32 identified, and the deactivation of the Ordot site. The report shall also include 33 details of any alternative method of disposal for solid waste which is under 34 consideration or is expected to be implemented on Guam and the proposed 35 activation date.