

MSD BOARD OF DIRECTORS

Washington Park Zoo Education Building 4001 SW Canyon Road

JULY 14, 1978 2:00 P.M.

AGENDA

78-1098MINUTES78-1099PUBLIC COMMUNICATIONS

ADMINISTRATIVE DIVISION

78-1100	CASH DISBURSEMENTS
78-1101	SOFT DRINK BID AWARD
78-1102	CONTRACT 78-165 - ANNE KELLY FEENEY

SOLID WASTE DIVISION

78-1103

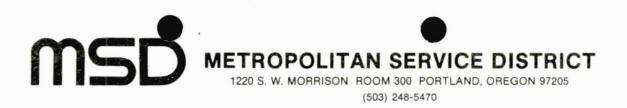
STATE MINIMUM STANDARDS DISCUSSION

ZOO DIVISION

78-1104	DEVELOPMENT PROGRAM UPDATE
78-1105	ELEPHANT ENCLOSURE PROGRESS REPORT -
	CH2M-HILL

OTHER BUSINESS

INFORMATIONAL REPORTS



MSD BOARD OF DIRECTORS

Washington Park Zoo Education Building 4001 SW Canyon Road

JULY 14, 1978 2:00 P.M.

AGENDA

Page	Action Record Number	
1	78-1098	MINUTES
1	78-1099	PUBLIC COMMUNICATIONS
ADMINI	STRATIVE DIVISION	
12	78-1100	CASH DISBURSEMENTS
13	78-1101	SOFT DRINK BID AWARD
14	78-1102	CONTRACT 78-165 - ANNE KELLY FEENEY
SOLID	WASTE DIVISION	~
15	78-1103	STATE MINIMUM STANDARDS DISCUSSION
Z00 DI	VISION	
24	78-1104	DEVELOPMENT PROGRAM UPDATE
25	78-1105	ELEPHANT ENCLOSURE PROGRESS REPORT - CH2M-HILL

PAGE ACTION RECORD

OTHER BUSINESS

78-1106

EXECUTIVE SESSION - UNION NEGOTIATIONS

INFORMATIONAL REPORTS

. ZOO DIVISION

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PUBLIC SERVICE ANNOUNCEMENTS FOR TELEVISION

78-1098 MINUTES

THE FOLLOWING PAGES CONTAIN THE MINUTES FOR THE JUNE 23, 1978, BOARD MEETING. THE STAFF RECOMMENDS <u>APPROVAL</u> OF THE MINUTES.

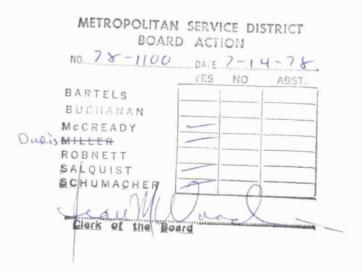
78-1099 PUBLIC COMMUNICATIONS

THIS AGENDA ITEM ALLOWS THE BOARD TO RECEIVE COMMENTS FROM THE PUBLIC ON MATTERS NOT LISTED ON THE MEETING AGENDA.

78-1100 CASH DISBURSEMENTS

The Accounting Department has prepared checks numbered from 2949 to 3052 from payment requests received, which were approved as within MSD Budget.

The staff recommends <u>Approval</u> for payment of Check Registers dated June 27, in the total amount of \$11,243.23, and June 29, 1978, in the total amount of \$61,110.41.



78-1101 SOFT DRINK BID AWARD

BIDS WERE SOLICITED FOR THE SUPPLY OF SNO CONE AND SOFT DRINK DISPENSER MACHINES AND SYRUPS TO BE USED IN THE CANTEENS AT THE WASHINGTON PARK ZOO. BIDS WERE RECEIVED FROM PORTLAND BOTTLING COMPANY AND FROM PEPSI-COLA BOTTLING COMPANY, WITH PORTLAND BOTTLING COMPANY THE LOW BIDDER.

It is staff's recommendation that the contract be <u>Awarded</u> to Portland Bottling Company as low bidder, with <u>Authorization</u> for the Chairman to sign the agreement for a two-year period to become effective September 11, 1978. It is also recommended that in the event of default of the bid specifications by Portland Bottling Company, that staff be <u>Authorized</u> to award the contract to Pepsi-Cola as second bidder.



78-1102 CONTRACT 78-165 - ANNE KELLY FEENEY

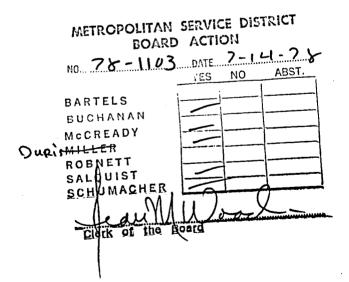
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78-1103 STATE MINIMUM STANDARDS DISCUSSION

The purpose of the attached criteria is to provide guidelines for landfill operators and Metropolitan Service District staff to assist in solid waste disposal management. It is our hope that this will serve as our main tool in communicating our intentions regarding solid waste disposal management to those people in the community who are affected by our acts.

This framework has been prepared by MSD staff and reviewed and edited by MSD Solid Waste Advisory Committee. If the MSD Board approves these criteria, the staff can return at the July 28, 1978, Board meeting with Justification concerning landfill cover requirements.

THE STAFF RECOMMENDS APPROVAL OF THE MSD LANDFILL OPERATIONS CRITERIA.



- 15 -

MSD LANDFILL OPERATIONS CRITERIA

Part of the problem of understanding why a particular condition is required is that it is hard to follow the logic from a general mission like "to protect the public" to a specific requirement like "six inches of cover material is required daily." This framework is an attempt to fill this gap.

The staff has developed six major goals for landfill management that can be inferred from MSD's mission "to protect the <u>health</u>, <u>safety</u> and <u>welfare</u> of people in the district." These goals are as follows:

- (1) To control the transmittal of contaminated material from the site
- (2) To minimize landfill gas related problems
- (3) To provide a final fill that could be integrated into the community
- (4) To provide a site that is functional to users
- (5) To provide fire prevention management
- (6) To insure esthetic quality at the landfill site

Public health is related to both goals 1 and 2. Mismanagement of contaminant or explosive gases can produce serious problems for the public. The problems can take the form of polluted drinking water, explosions of buildings filled with gas associated with waste decomposition, and spreading of diseases.

Public safety is related to goals 2, 4 and 5, each of which can have an impact to those living in the surrounding area and/or using the site. Public welfare would be contained in goals 2, 3 and 6. These goals provide for the welfare of the

- 16 -

surrounding community by reducing nuisances such as visual impacts, odor and litter. In addition, they will provide a final fill that will fit into the community.

2

Each goal is supported by objectives and tasks in outline form, showing how the goals can be reached. They are presented so that one could easily interpret a particular task that would have to be accomplished to meet the goals. The specific tasks listed here are not necessarily our standards or required conditions. They are management or operational tasks which could satisfy the objectives in order to reach a primary goal. One should also keep in mind that each site has specific conditions and characteristics that would dictate which tasks would be necessary. The tasks in this report are general in nature and could be modified for a specific site. Other alternatives can be found for each task that would satisfy its parent objective.

- 17 -

- I. TO CONTROL THE TRANSMITTAL OF CONTAMINATED MATERIAL FROM SITE BY:
 - A. Minimizing vector movement on and off of site by:
 - Providing controls for such large animals as dogs by:
 - a. Reducing access to food with the use of daily non-cohesive cover (References 1, 3)

3

- b. Minimizing access to food with the use of daily compaction of waste (3)
- 2. Providing controls for such small animals as rats by:
 - a. Minimizing access to food source and harborage in waste by:
 - (1) Covering waste daily with a non-cohesive cover waste daily (1,2,3,4,5,6)
 - (2) Compaction of waste daily (3,6)
 - b. Providing an effective poisoning program
- 3. Providing controls for such vectors as birds by:
 - a. Minimizing access to food source by:
 - (1) Compacting of wastes as they come into site and (1)
 - (2) Covering wastes (1,6)
- 4. Providing controls for such vectors as flies by:
 - a. Reducing access to food sources and harborage by:
 - (1) Daily cover (1,2,3,4,5,6)
 - (2) Daily compaction (3,6)
 - b. Minimizing harborage by providing good drainage around site to reduce standing water

- 18 -

- B. Minimizing spreading of contaminates by groundwater by:
 - 1. Reducing surface water infiltration into fill by:
 - a. Increasing surface water runoff by:
 - (1) Providing impermeable material on surface of waste (2,5,6)

4

- (2) Providing adequate surface drainage at site (2)
- Increasing transpiration rate and cover layer moisture retensionable storage of the final cover (6)
- 2. Minimizing movement of water in fill
 - a. Providing an impermeable separation between cells in fill.
- 3. Minimizing ground water flow into fill
 - a. Providing an impermeable separation between fill and ground water table (2,6)
- 4. Minimizing off site surface water flow into fill
- 5. Providing a leachate collection system at the site (6)
- C. Minimizing spreading of contaminates by surface water
 - 1. Provide an effective separation between waste and surface runoff (2)
 - 2. Provide special handling for waste water from truck washing facility
- D. Minimizing spreading of contaminates by wind by:
 - 1. Providing adequate compaction

- 19 -

- 2. Providing adequate cover
- 3. Providing catch fences down wind of working face with policing of area daily

II. TO MINIMIZE GAS RELATED PROBLEMS BY:

- A. Minimizing malodor around site by:
 - Covering wastes with adequate material at a frequency to constrain odors before they are produced (aerobic) (1,3,6)

5

- 2. Minimizing rate of decomposition by limiting the amount of water into fill by providing a water impermeable cover (anarobic) (1,2)
- 3. Providing cover to restrain gas movement to: (2,4,5,6)
 - a. Breaking out of the fill slowly and evenly dispersed or to
 - b. Flow to a designed vent, which facilitates gas movement out of the fill and disperses it into the atmosphere
- B. Prevent an explosive gas condition from occurring by:
 - 1. Containing gas from leaving site through the adjacent ground structure by:
 - a. Providing an effective gas movement barrier around the outside of the fill in area where the adjacent ground is susceptible to gas migration.
 - b. Provide gas vent dike around site
 - 2. Providing a method of dispersion for gas
 - a. Provide a gas treatment system for vents to either burn or disperse gas
 - 3. Minimizing possibilities of gas from concentration on surface by:
 - a. Providing cover to restrain gas movement to: (2,4,5)
 - (1) Breaking out of the fill slowly and evenly dispersed, or
 - (2) Flow to a desired vent, which facilitates gas movement out of the fill and disperses it into the atmosphere

- III. PROVIDING A FINAL FILL THAT COULD BE INTEGRATED INTO THE COMMUNITY'S LAND USE PLAN BY:
 - A. Providing a satisfying final grade by:
 - 1. Perparing a final grade plan before starting operation at the site.
 - 2. Constructing fill according to the approved final grade plan.
 - B. Providing a fill that has structural integrity by:
 - 1. Providing a reasonable non-decomposible waste to decomposible waste ratio by:
 - a. Applying a soil cover (2,3)
 - 2. Providing high density compaction by:
 - a. Using an adequate size compactor
 - b. Providing compaction of waste in minimum depth layers (2)
- IV. PROVIDING A SITE THAT IS FUNCTIONAL TO USERS BY:
 - A. Providing good access to and from the dumping face by:
 - 1. Providing driving surface that is structurally adequate for hauling vehicles
 - 2. Providing driving surface free of material that would damage tires or vehicles
 - B. Providing dumping space for a maximum number of trucks to lessen waiting to dump time
 - C. Provide traffic and dumping management to provide for user safety by:
 - 1. Separating commercial truck dumping from public dumping
- V. PROVIDING GOOD FIRE PREVENTION MANAGEMENT BY:
 - A. Minimizing air access to waste by:

1. Compaction of waste

- 2. Providing non-combustible cover
- B. Reducing voids in fill by
 - 1. Compaction of waste

- 21 -

- C. Increasing combustible waste in wells by
 - 1. Providing non-combustible cover
- D. Providing water and fire suppression equipment ready for immediate use.
- VI. TO ENSURE AESTHETIC QUALITY AT A LANDFILL BY:
 - A. Providing less visual impact to the landfill users by:
 - 1. Reducing the harsh appearance of the exposed solid waste
 - a. Covering harsh appearing solid waste with more natural looking material throughout the day (1,2,4,5,6)
 - b. Compaction of the waste throughout the day
 - 2. Reducing the visual impact of sorted recovered material by:
 - a. Providing for adequate storage facilities
 - b. Providing adequate screening.
 - B. Increasing visual quality from the surrounding area by:

1. Reducing outside viewing of working face by:

- a. Covering working faces in visible areas with more natural looking material. So that during non-working hours the site has a more natural look (1,4,5,6)
- b. Providing an operational plan that minimizes work faces in view of a high visibility direction.
- c. Minimizing work face (6)
- d. Providing for screening (3)
- 2. Establishing vegetation on inactive areas as soon as possible by:
 - a. Providing soil structure on surface of fill to support plant life (1, 2)
 - b. Spreading seed, fertilizer and mulch to facilitate grass growth (1)
- 3. Constraining blowing material by:

- 22 -

- a. Providing cover over blowable material with a material that would restrain its movement(1,2,4,5)
- b. Providing catch fences down wind of working face with policing of area daily (2,3,6)

REFERENCES

- 1. Lutton, R. J. and Regan, G. L. <u>Selection and Design</u> of Cover for Solid Waste; Interim Report; U. S. Army Engineer Waterways Experiment Station; Vicksburg, Mississippi 1977
- 2. Brunner, D. R. and Keller, D. J. <u>Sanitary Landfill</u> <u>Design and Operation</u>; U. S. Environmental Protection Agency; 1972
- 3. Institute for Solid Wastes of American Public Works Association; <u>Municipal Refuse Disposal</u>; Public Administration Service, 1970
- 4. The National Solid Waste Management Association and Federal Solid Waste Management Program; Recommended Standards for Sanitary Landfill Design, Construction, and Evaluation & Model Sanitary Landfill Operation Agreement; U. S. Environmental Protection Agency; 1971
- 5. Jorgensen, R. S. Letter to Charles C. Kemper. E.P.A. June 22, 1978.
- 6. The ASCE Solid Waste Management Committee of the Environmental Engineering Division; <u>Sanitary Landfill</u>; ASCE; 1976.

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78-1104 DEVELOPMENT PROGRAM UPDATE

REPRESENTATIVES OF THE ARCHITECTURAL CONSULTANTS, WARNER WALKER & MACY WILL GIVE AN INFORMAL PREVIEW OF THEIR PHASE IV WORK OF PREPARING SCHEMATIC DESIGNS AND PROGRAMS FOR THE PREVIOUSLY SELECTED DEVELOPMENT PROJECTS.

EACH PROJECT'S SCHEMATIC DESIGN WILL BE ILLUSTRATED AND EXPLAINED BY THE CONSULTANTS PRIOR TO A FINAL WRITTEN PRESENTATION FOR THE JULY 28, 1978, BOARD MEETING.

NO ACTION IS REQUIRED.

78-1105 ELEPHANT ENCLOSURE PROGRESS REPORT - CH2M-HILL

(REMOVED FROM THE AGENDA)

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Lee Enterprises Incorporated

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Lee Enterprises Incorporate

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PAYMENT OF THIS INVOICE IS DUE ON OR BEFORE

Lee Enterprises Incorporated

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PAYMENT OF THIS INVOICE IS DUE ON OR BEFORE_

BILLING (TO) WASHINGTON PARK ZOO	KOIN-TV, Inc. 140 S.W. Columbia Street • Portland, Oregon 97201 • (503)	243-6666 DATE JA	NUARY 1978			
4001 S.W. Canyon Road Portland, Oregon 97221	REPRESENTATIVE SALESMAN	INVOICE NO. PAGE	AGENCY EST. NO. BROADCAST MONTH			
KOIN-TV MAKE 140 S.W. Columbia Street PAYMENT Portland, Oregon 97201	ADVERTISER PRODUCT	SCHEDULE DATES	CONTRACT YEAR			
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Lee Enterprises Incorporat

Public Service Announcements for Television

Ted Hallock, Inc. and the Film Loft, Inc. have produced a series of public service announcements for the Washington Park Zoo over the past 2½ years. A PSA is a non-commercial message that benefits the community at large. In the case of the zoo, the PSA's make a broad appeal for public visitation and participation in zoo activities.

The Washington Park Zoo's PSA's are highly visible in the MSD area. Because they are so attention grabbing, they are run more frequently than other PSA's. There is no question that the zoo's public service spots account for a large percentage of the attendance.

The following is a list of public service spots produced from January 1976 through June 1978:

> Gorilla on Bus:60 Siberian Tiger:30 Chimp Artist:10 Asian Elephant:60 Running Animals:30 Bear:10 Chimp Enrichment:60 Lions Drinking:10 Keep in Touch:10

Evenings are Cool:10 Bad Boy Raccoon:10 Your Zoo Awake:60 Singing Elephant:10 Take the Zoo Train:60 Polar Bear Cub/Zoo Baby:60 Rainy Day Zoo:60 Zebra:10 Your Zoo Asleep:60

JUL 1 0 1978

METRO SERVICE DISTRICT

New public service spots in production but not completed:

Turning Day into Night:60 Your New Zoo Baby:30 Play Around at Your Zoo:10

Ted Hallock, Inc. and the Film Loft, Inc. have received national and international recognition for their public service announcements. At the 1977 International Broadcasting Awards "Sing Along This Winter at Your Zoo", featuring a "singing" elephant was named a finalist in the "ten second" category; "Your Zoo, Asleep from Dusk to 10 a.m." was a finalist in the "public service announcement of any length" category. The PSA's received second place in the media competition at the 1976 annual convention of the American Association of Zoos and Aquariums and first place from the Portland Advertising Federation in 1977.

For information only, a selection of these public service announcements will be shown.

METROPOLITAN SERVICE DISTRICT

BOARD OF DIRECTORS

GUEST ATTENDANCE LIST

DATE: 7-14-78

Name	Representation
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