COMMONWEALTH OF THE NORTHERN MARIANA ISLANDS

CIVIC CENTER, SAIPAN, MARIANA ISLANDS

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DIVISION OF REVENUE AND TAXATION COMMONWEALTH GOVERNMENT OF THE NORTHERN MARIANA ISLANDS



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MAY 15, 1986

PUBLIC NOTICE

ADOPTED AMENDMENT NO. 80486 TO REVENUE AND TAXATION REGULATIONS NO. 8301

The Director of Finance, in accordance with 4 CMC §§1701 and 1818, and 1 CMC §2557, has published amendments to the rules and regulations identified as Revenue and Taxation Regulations No. 8301 of the Division of Revenue and Taxation.

The adopted amendment may be inspected at the Division of Revenue and Taxation, Central Office, Capitol Hill, Commonwealth of the Northern Mariana Islands, Saipan, CM 96950. This amendment is published in the Commonwealth Register. Copies of the register may be obtained from the Attorney General's Office.

Certified By: Ulu REX I. PALÁCIOS Director of Finance

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DIVISION OF REVENUE AND TAXATION

COMMONWEALTH GOVERNMENT OF THE NORTHERN MARIANA ISLANDS



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MAYO 15, 1986

NOTISIAN PUBLIKU

MA ADOPTA NA AMENDASION NO. 80486 AREGLAMENTO NUMERO 8301 PARA I REVENUE YAN TAXATION

I Direktot i Finansiat, Segun i 4 CMC §§1701 and 1818, yan i 1 CMC §2557, man publika amendasion gi areglamento yan regulasion ni ma rekognisa komo Revenue yan Taxation RegulationsNo. 8301.

I ma adopta na amendasion sina ma rikonosi gi ofisinan i Division i Revenue yan Taxation gi Capitol Hill, Commonwealth i Sankatan na Islas Marianas, Saipan, CM 96950. Este na amendasion ma publika gi Commonwealth Register. Sina manuli hao kopian esta na publikasion gi ofisinan i Abogadon Gobietno.

nera LV Sinettifika As: REX I. PALACIOS Direktot i Finansiat

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MAY 15, 1986

PUBLIC NOTICE

ADOPTED AMENDMENT NO. 90486 TO REVENUE AND TAXATION REGULATIONS NO. 8301

The Director of Finance, in accordance with 4 CMC §§1701 and 1818, and 1 CMC §2557, has published amendments to the rules and regulations identified as Revenue and Taxation Regulations No. 8301 of the Division of Revenue and Taxation.

The adopted amendment may be inspected at the Division of Revenue and Taxation, Central Office, Capitol Hill, Commonwealth of the Northern Mariana Islands, Saipan, CM 96950. This amendment is published in the Commonwealth Register. Copies of the register may be obtained from the Attorney General's Office.

REX I. PALACIOS Director of Finance Certified By: Xuan

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MAYO 1.5, 1986

NOTISIAN PUBLIKU

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Sinettifika As:

un KEX I. PALACIOS Direktot i Finansiat

Date

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PUBLIC NOTICE

NOTICE OF ADOPTION OF FINAL INDIVIDUAL WASTEWATER DISPOSAL SYSTEM REGULATIONS FOR PUBLIC LAW 3-23 DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENTAL SERVICES

Proposed regulations were published in the Commonwealth Register on April 16, 1986. Certain changes and modifications were made in response to comments received on the proposed regulations. The significant changes were as follows:

SECTION IV: Changes were made to clarify when a building may be connected to a septic tank. Under the final regulations no new building, other than single family residences and duplexes, can be connected to a septic tank without written permission from the Division of Environmental Quality.

SECTION V: The section was added to clarify how and when the regulations apply to existing septic tank systems. Under the final regulations all existing septic tanks must meet the design criteria in the regulations, except that septic systems serving single family residences and duplexes are exempted for five years, unless they pose a threat to public health and safety.

SECTION XVII: Changes were made to clarify that a Certification for Use must be issued by DEQ prior to using a new septic tank system.

SECTION XXIII: The final regulations contain enforcement provisions which were clarified in order to be consistent with the provisions of P.L. 3-23.

A complete copy of the final regulations is published herewith and additional copies are available from the Department of Public Health and Environmental Services, Division of Environmental Quality, Dr. Torres Hospital, Saipan, CM 96950 (Telephone (670) 234-6114/6984).

00 JOSE T. VILLAGOMEZ, Director

Department of Public Health and Environmental Services

Date: 514/86

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NOTISIAN PUBLIKO

NOTISIAN MA ADOPTAN I UTTIMO NA REGULASION INDIBIYU'AT NA DESPUESTO PARA INAPLACHA' HANOM NA SISTEMA PARA I LAI PUBLIKO 3-23 GINEN I DEPATTAMENTON HINEMLO' PUBLIKO YAN SETBISION ENVIRONMENTAL.

I maproposa na regulasion siha ma pupblika gi Commonwealth Re:ister gi Abrit 16, 1986. Guaha siha tinilaika yan mafa'tinas sigun gi ineppe' yan opinion ni ma risibi ni maproposa na regulasion siha.

I siknifikante na tinilaika man tinattitiyi ni man sigente siha na asunto:

SECTION IV: Mafa'tinas tinilaika para u mana'klaru yanggen para uma na'chetton i gima guato kontra i <u>septic tank</u>. Sigun gi i uttimo na regulasion taya' nuebo na guma', fuera di i guma' un familia yan guma' ni madibidi para guma' dos familia sina ma na'chetton kontra i se.tic sin matuge' na petmisu para lisensia ginen i Setbision <u>Environmental</u>.

SECTION V: I patte pat <u>section</u> ma na'ye para uma na'klaru taimanu yan yanggen i regulasion ha praktika kontra i mau'usa na sisteman se tic <u>tank</u>. Sigun gi i uttimo na regulasion siha, todo mau'usa na <u>septic tank</u> debi di uma tattiyi i ginagagao na planu gi regulasion, fuera ayo siha na sistema ni para guma' un familia yan guma' ni madibidi para guma' dos familia. Gi halom sinko anos, ti opbligao na u matattiyi solu ma aminasa i hinemlo' publiko yan siguridat.

SECTION XVII: Mafa'tinas tinilaika para uma na'klaru na i Settifikasion Ma'usa debi di i DEQ u fan na'i antes di uma usa i se.tic tank.

SECTION XXIII: I uttimo na regulasion ha konsiste enforcement .rovisions ni ma na'klaru pot para uma na' parehu yan i provisions i P.L. 3-23.

Kumplidu na kopian i uttimo na regulasion siha ma publika guini sina machule' kopia gi Depttamenton Hinemlo Publiko yan Setbision <u>Environmental</u>, Dibision i Kualidad <u>Environmental</u>, Dr. Torres Hospital, Saipan, CM 96950 (Telefon (670) 234-6114/6984).

JOSE T. VILLAGOMEZ, Direktot DR

i Depattamenton Hinemlo' yan Setbision Environmental

Fecha: 5/14 86

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INDIVIDUAL WASTEWATER DISPOSAL SYSTEMS RULES AND REGULATIONS

SECTION I. AUTHORITY

These regulations have been promulgated by the Department in accordance with Public Law 3-23 of the Commonwealth of the Northern Mariana Islands. These regulations and technical provisions and specifications to be adopted by the Department from time to time, shall have the force and effect of law and shall be binding on all persons and other legal entities subject to the jurisdiction of the Commonwealth of the Northern Mariana Islands.

SECTION II. PURPOSE

The purpose of these regulations is:

- A. To protect the health of the septic tank user and his neighbors.
- B. To establish minimum standards that will ensure that wastes discharged:
 - 1. Will not contaminate any drinking water supply;
 - 2. Will not be accessible to insects, rodents, or other possible carriers of disease which may come into contact with food or drinking water;
 - 3. Will not pollute or contaminate the waters of any bathing beach, shellfish breeding grounds, or stream used for public or domestic water supply purposes or for recreational purposes;
 - 4. Will not pose a health hazard by being accessible to children;
 - 5. Will not create a nuisance due to odor or unsightly appearance;
 - 6. Will not violate any other laws or regulations governing water pollution or sewage disposal.

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SECTION III DEFINITIONS

- A. "Abutting Property" means that property, which lies next to any road, street or easement in which a public sewer is located. The boundary of the property abutting the sewer need not physically touch the sewer easement so long as that piece of land separating the sewer easement from the abutting property consists of a public right of way, easement, road, or street not owned or controlled by another private owner, so that the abutting property owner would be required to obtain a easement in order to connect this property with that of the sewer.
- B. "Available Sewer" means a public sewer which has been constructed in a roadway, street or easement abutting the property on which the subject building is located; provided that:
 - a) for single family dwellings and duplexes the public sewer, or an existing building or exterior drainage facility located on the subject property which is connected to the public sewer, is within 200 feet of the single family dwelling or duplex, and the public sewer is no more than 20 feet above the lowest floor level of the single family dwelling or duplex; and
 - b) for all other buildings and structures the public sewer is no more than fifty (50) feet above the lowest floor level.
- C. "Chief" means the Chief of the Division of Environmental Quality or his duly authorized representative unless otherwise specified.
- D. "CNMI" means the Commonwealth of the Northern Mariana Islands.
- E. "Department" means the Department of Public Health and Environmental Services unless otherwise specified.
- F. "Director" means the Director of the Department of Public Health and Environmental Services or his duly authorized representative unless otherwise specified.
- G. "Division" means the Division of Environmental Quality unless otherwise specified.

- H. "Duplex" means a building which is designed exclusively for the occupancy of one family in each of two units which are attached to each other and which are detached for any other dwelling or commercial building.
- I. "House Sewer or Building Drain" means that part of the lowest piping of a drainage system which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer pipe beginning 5 feet outside the building walls.
- J. "Individual Sewage Disposal System" means a system designed and installed to dispose of sewage from a single structure or group of structures using a disposal method other than discharge into a public sewer. Such a system may consist of a septic tank, together with a leaching field or seepage pit, or other treatment unit.
- K. "Leaching Field" means a buried system of open-jointed or perforated pipes, bedded in crushed rock or coral, through which treated or partially treated sewage effluent may seep or leach into the surrounding porous soil.
- L. "Person" means any individual, corporation, association, partnership, or governmental entity.
- M. "Public Sewer" means a common sewage collection system serving more than one lot, directly controlled by a public authority.
- N. "Seepage Pit" means a covered pit with open-jointed lining through which treated or partially treated sewage effluent may seep or leach into the surrounding porous soil.
- 0. "Septic Tank" means a watertight receptacle which receives the discharge of sewage and is designed and constructed so as to retain solids, digest organic matter through a period of retention, and allow the treated liquids to discharge into the subsoil through a leaching field or seepage pit.

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- P. "Sewage or Wastewater" means untreated or insufficiently treated human excreta, food wastes disposed of through sewers; wash water; liquid wastes from residences, commercial buildings, agricultural operations, and industrial establishments or other places of assembly, and such diluting water as may have entered the waste disposal system.
- Q. "Single Family Dwelling" means a building designed exclusively for the occupancy of one family which is detached from any other dwelling or commercial building.
- R. "Type 2" means a toilet flushed with water and connected to a septic tank and leaching fields.
- S. "Water of the Commonwealth" means all shore waters surrounding Commonwealth of the Northern Mariana Islands streams, lakes, springs, irrigation system, marshes, water courses, waterways, drainage system, and other bodies of water, surface and underground, natural or artificial, publicly or privately owned.

SECTION IV CONNECTION TO AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

- A. Connection to an Individual Sewage Disposal System is allowable under the following conditions:
 - 1. For all new single family dwellings or duplexes, if there is no available public sewer.
 - 2. For all other new buildings and structures, when no public sewer is available, only if the Chief grants a written waiver allowing discharge into an Individual Sewage Disposal System. The Chief shall grant such a waiver only if discharge into an Individual Sewage Disposal System will not pose a potential threat to groundwater quality or otherwise pose a threat to public health and safety.
 - 3. A building or structure will be considered new when originally constructed, or when remodeled or extended such that the floor area is increased by greater than twenty percent (20%).
- B. All buildings and structure connected to an existing Individual Sewage Disposal System shall be connected to a public sewer if and when required to be so connected by Public Sewer Use Regulations promulgated by the Department of Public Works.

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SECTION V APPLICATION OF REGULATIONS TO EXISTING SYSTEMS

- A. All existing Individual Sewage Disposal Systems shall be subject to the design and siting criteria set forth in these regulations. The Chief may require modifications and repairs on any existing Individual Sewage Disposal Systems in order to bring it into compliance with such design and siting criteria.
- B. Any existing septic tank serving a single family dwelling or duplex shall not be subject to the provisions of Section V.A. for a period of five (5) years from the effective date of these regulations unless such system poses a threat to public health and safety.

SECTION VI PRIVATE SEWAGE DISPOSAL SYSTEM (GENERAL)

- A. Where permitted by Section IV of these regulations, a building may be connected to an individual sewage disposal system which complies with other provisions set forth in these regulations. The type of system shall be determined on the basis of location, soil porosity, and groundwater level and shall be designed to receive all sanitary sewage from the property. The system, except as otherwise provided, shall consist of a septic tank with effluent discharge into a sub-surface disposal field.
- B. Where conditions are such that the above system cannot be expected to function satisfactorily for commercial, agricultural and industrial plumbing systems; for installations where appreciable amounts of industrial or indigestible waste are produced; for hotels, hospitals, office buildings, clusters of homes, schools, for occupancies producing abnormal quantities of sewage or liquid wastes; the method of sewage treatment and disposal shall be first approved by the Chief. Special sewage disposal systems for minor, limited or temporary uses shall be first approved by the Chief.
- C. Disposal systems shall be designed to utilize the absorptive portions of the soil formation. Where the ground water level extends to within twelve (12) feet or more from the ground surface or where the upper soil depth is sufficient and the underlying stratum is rock or impervious soil, a septic tank and disposal field system may be installed.

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- D. All individual sewage disposal systems shall be so designed that additional subsurface drain fields, equivalent to at least 100% of the required original system, may be installed if the original system cannot absorb all the sewage. No division of the lot or erection of structures on the lot shall be made if such division of structure impairs the usefulness of the 100% expansion for its intended purpose.
- E. No property shall be improved in excess of its capacity to properly absorb sewage effluent in the quantities and by the means provided in these regulations.
- F. When there is insufficient lot area or improper soil conditions for adequate sewage disposal from a building or proposed use of the land as determined by the Chief, no building shall be permitted. Where space or soil conditions are critical, no permit for an individual sewage disposal system shall be issued until engineering data and test reports satisfactory to the Chief have been submitted and approved.
- G. Where public sewers may be installed at a future date, provision should be made in the household plumbing system for connection to such sewer upon notification by the Chief within 5 years period after it is available.
- H. Nothing contained in these regulations shall be construed to prevent the Chief from requiring compliance with higher requirements than those contained herein where such higher requirements are essential to maintain a safe and sanitary condition.
- I. Nothing contained in these regulations shall be construed to prevent the Chief from exempting an application from compliance with requirements contained herein where such requirements are not essential to maintain a safe and sanitary condition.
- J. No wastewater disposal system installations, constructions, repairs or additions shall be made by the owner of the property without written permit from the Chief.
- K. Any person whose application for a permit under these regulations has been denied shall be notified in writing as to the reason for denial and such person may within 15 days after date of official notification, file a written request for a hearing before the Chief. Such hearing shall be held by the Division within 30 calendar days after receipt of the request and upon reasonable notice to the applicant. Within fifteen (15) calendar days following such a hearing, the Chief shall affirm, modify, or revoke the denial, or issue the permit on the basis of the available evidence.

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SECTION VII PERMIT APPLICATION, PERMIT ISSUANCE PROCEDURES, AND REQUIREMENTS FOR WASTEWATER DISPOSAL SYSTEMS

- A. Before construction may commence on an individual sewage disposal system, a permit for installing the wastewater disposal system must be issued by the Chief. The applicant for the permit must complete an application and provide the Division with all appropriate information determined to be necessary by the Chief. The application shall consist of the following:
 - 1. Application form
 - a. A permit application form shall be completely filled out with name(s) and address of applicant, job location, lot, block and tract numbers, and area of lot in square feet or square meters.
 - b. Regardless of the type of individual sewage disposal system applied for, the permit application must bear the signature of the Director of the Department of Public Works (DPW) or his authorized representative for availability of water and the proximity of public sewers. The Department of Public Works must review the plans before DEQ's review and DPW's signature must be included on the permit application form prior to the Division of Environmental Quality review.
 - 2. Plans and Specifications
 - a. Vicinity Map plans must include vicinity map to locate property showing adjacent streets with names and other land marks that can easily locate the property where the proposed improvement is to be established.
 - b. Plot Plan (FIGURE 1) plans must include a plot plan, drawn to scale, and completely dimensioned. See the example in FIGURE 1. The plot plan must contained the following:
 - Delineation of property boundaries, lot number and zone designation;
 - Delineation of public rights of way, easements and access roads, if applicable;

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- Indication of all existing structures on the lot including their location with respect to the lot boundaries;
- Location of proposed disposal system in relation to property boundaries, public rights of way, easements and access roads, existing structures and utilities, and the proposed building;
- 5) Topography of the area, showing contour lines and floor elevation of the existing or proposed building.
- 6) Location of all property lines must be verified by the CNMI Land Commission and/or the Marianas Public Land Corporation (MPLC) as appropriate.
- c. Design calculation of the proposed wastewater disposal system is required and the design must be done by a licensed specialty contractor or registered professional engineer.
- d. A log of soil formation, percolation and water table tests must be done by a registered professional engineer and such test results should bear his stamp and signature. This requirement may be waived by the Chief if the Division has sufficient information to determine the suitability of the soil conditions.
- e. Complete septic tank and leaching field or aeration tank and leaching field design construction details should be included in the building plans and specification.
- B. Once the Chief has declared the application to be complete, then a permit, conditional permit, or denial shall be issued within twenty one (21) calendar days.
- C. Septic Tank Permit Validity Any septic tank permit shall be void if the work authorized by said permit is not commenced within three (3) months after its issuance; or is suspended or abandoned for a period of three (3) months at any time the work has commenced; provided that for just cause stated in writing to the Chief, the Chief may allow up to a maximum of three (3) months extension. All such extensions shall be in writing and noted on the septic tank permit and in the official files of the Division.

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SECTION VIII CAPACITY OF SEPTIC TANKS

A. The net volume or effective capacity below the flow line of a septic tank, for flows up to 500 gpd, should be at least 750 gallons. For flows between 500 and 1500 gpd, the capacity of the tank should equal to at least 1-1/2 days sewage flow. The liquid capacity and sizes of septic tank as determined by the number of bedrooms or duplex units in any dwelling occupancies shall be as established in TABLE 1 - "Guidelines for Construction of Septic Tank (Liquid Capacity)".

SECTION IX LOCATION AND INSTALLATION OF SEWAGE DISPOSAL SYSTEM

- A. No part of the system shall be located so that it is nearer to any water supply than outlined in FIGURE 2 and TABLE II, or so that surface drainage from its location may reach any domestic water supply. The distances given in FIGURE 2 and TABLE II are the minimum distances to any water of the Commonwealth, property lines, dwelling, school, public building, or a building used for commercial, or industrial purposes or as a place of assembly.
- B. The suggested location of a septic tank and disposal field on varying ground slopes is displayed in FIGURE 2A.
- C. The design and installation of a septic system shall be such as to provide not less than the stated minimum distances in TABLE II.

SECTION X AREA OF DISPOSAL FIELDS AND SEEPAGE PITS

- A. The minimum effective absorption area in disposal fields in square feet of leachfield bed, shall be predicated on the required size of septic tank for the type of soil percolation rate as established in TABLE III - "Guidelines for Construction of Septic Tank and Leachfield in the CNMI".
- B. The maximum number of septic tank and leaching fields shall be restricted to four (4) per acre for individual domestic homes. In the case of duplexes, apartments, or businesses served by septic tanks the maximum density shall be determined by the Chief.

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SECTION XI SEPTIC TANK DESIGN AND CONSTRUCTION (FIGURES 3 and 3A)

- A. Septic tank design shall be such as to provide access for cleaning, adequate volume for settling, and for sludge and scum storage. The structural design shall provide for a sound durable tank which will sustain all loads and pressures and will resist corrosion.
- B. Location shall be such as to provide not less than the stated distances in FIGURE 2 and TABLE II.
- C. Liquid capacity shall be based on the number of bedrooms proposed or reasonably anticipated and shall be at least as required in TABLE I.
 - The liquid depth of the tank or compartment thereof shall be five (5) feet and not more than six (6) feet. A liquid depth greater than six (6) feet shall not be considered in determining tank capacity;
 - 2. No tank or compartment thereof shall have an inside horizontal dimension of less than four (4) feet or 48 inches. Scum storage shall equal 15% of the total liquid depth and shall be measured from the top of the liquid level to the vertical top of the inlet tee and outlet tee excluding the one (1) inch air space at the top of the tank. In no case shall this distance be less than seven (7) inches;
 - 3. The vertical leg of the inlet tee shall extend not less than six (6) inches below the liquid surface and above the liquid surface as required in (C)(2) above.
- D. Inlet and outlet connections shall be submerged so as to obtain effective retention of scum and sludge. The inlet invert shall be at least three (3) inches above the outlet invert.
- E. The vertical leg of the outlet tee shall extend upward to within 1 inch of the underside of the cover and downward to a point which is 40% of the liquid depth below the liquid surface. When a partition wall is used to subdivide the tank, it shall have a 4 inch diameter minimum opening, with the same invert elevation as the tank outlet (See FIGURE 3A). The partition wall opening shall have an outlet device equivalent to the tank inlet or outlet, so that outside air can enter both sides of the partition.

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- F. When multi-compartment tanks are used, the volume of the first compartment shall be equal to or greater than that of any compartment.
- G. Access to each compartment of the tank shall be provided by a 14" x 14" minimum manhole or removable cover. The inlet and outlet tee connections shall also be accessible through properly placed manholes, lifting rings or by easily removed covers.
- H. Where the top of the septic tank is below ground grade level, manholes shall be built up to ground grade level.
- I. The wall of the tank shall not be less than 6 inches thick reinforced concrete poured in place; or less than 8 inches thick load bearing concrete hollow block reinforced at every 16 inches on center, and laid on a solid foundation with mortar joints well filled, and plastered with 1/2 inch concrete mortar in the inside of the tank. The tank covers and floor slabs shall be not less than 4 inch thick reinforced concrete. Septic tank covers may either be poured-in-place or pre-cast. The minimum compressive strength of any concrete septic tank wall, top and covers, or floor shall not be less than 2500 psi (pound per square inch).
- J. All septic tank covers shall be capable of supporting an earth load of not less than 300 pounds per square foot where the maximum coverage does not exceed three (3) feet.
- K. After the completion of the septic tank, the inside shall be cleaned and all forms removed, before occupancy permits will be issued.

SECTION XII PERCOLATION TESTS

- A. Individual residences: The absorption areas or disposal field and seepage pits for individual residences whenever applicable shall be computed or determined from TABLE III.
- B. The proposed site shall be subjected to percolation tests conducted at the applicant's expense and acceptable to the Chief, if it is determined by the Chief that the absorption quality of soils may be other than those shown in TABLE III.

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- 1. For individual lots, one (1) percolation test per lot is required as a minimum, provided the soil is uniform and of one type. Where the soil is not uniform or there is more than one type of soil on the lot, one percolation test is required as a minimum at the center of each variation or type of soil of significant size.
- 2. For subdivisions or multiple lots, one percolation test per acre is required as a minimum for each area consisting of uniform soil of one type.
- C. Test Procedure (FIGURE 5)

All percolation tests required should be performed in accordance with the following:

- 1. Dig or bore the holes with horizontal dimensions from 4 to 12 inches and vertical sides to the depth of the bottom of the proposed absorption device. Holes can be bored with 4 inch diameter port-hole type auger.
- 2. Roughen or scratch the bottom and sides of the holes to provide a natural surface. Remove all loose materials from the hole. Place about 2 inches of coarse sand or fine gravel in the hole to prevent bottom scouring.
- 3. Fill the hole with clear water to a minimum depth of 12 inches over the gravel. By refilling, or by supplying a surplus reservoir of water (automatic siphon), keep water in hole for at least four hours, and preferably overnight. In granular soils, i.e., GW, GP, SW, or SP classified according to the "Unified Soils Classification System," the test can be made after the water from one filling has seeped away.
- 4. Percolation rate measurements should be made on the day following the saturation process, except in sandy soils.
- 5. If water remains in the test hole on overnight saturation, adjust the depth of 6 inches over the gravel. From a fixed reference point, measure the drop in water level at approximately 30-minute intervals over a 4-hour period. The drop which occurs during the final 30-minute period is used to calculate the percolation rate. It must be noted that if a soil or site is determined to be poorly drained with an accompanying high water table, it is unsuitable regardless of percolation test data.

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- 6. If no water remains in the hole after overnight saturation, add clear water to a depth of about 6 inches over the gravel. From a fixed reference point, measure the height of the water surface at approximately 30 minute intervals over a 4-hour period, refilling the hole to a depth of 6 inches when the percolation rate indicates the hole will run dry before the next reading is made. The drop which occurs during the final 30-minute period is used to calculate the percolation rate. It should be noted that if a hole must be refilled to obtain a final 30-minute reading, determine from the previous reading the water level drop during that interval add water until the level above the bottom equals this figure plus one-half inch. Continue the test, measuring the drop during the final 30-minute period.
- 7. In sandy soils, or other soils in which the first six (6) inches of water seeps away in less than 30 minutes, after the overnight saturation period, the time interval between measurements can be taken as 10 minutes and the test run over a period of one hour. The drop which occurs in the final 10-minute period is used to calculate the percolation rate.
- D. When a percolation test is required, the proposed system shall have the capability to absorb a quantity of clear water in a 24 hour period equal to at least 5 times the liquid capacity for the proposed septic tank.

SECTION XIII SUBSURFACE ABSORPTION FIELD (FIGURE 4)

- A. Where percolation rates (Tables III) and soil characteristics and site conditions are acceptable to the Chief, an absorption field may be installed in an area which is well drained, has an acceptable slope, and is acceptable for excavation.
- B. Subsurface seepage fields (leachfield), if found to be applicable by percolation test, should be designed and constructed in accordance with TABLE III and III-A.
- C. Construction of leachfield in filled ground is not satisfactory. All leaching beds in a disposal field shall conform to the standards established in TABLE IV.
- D. Distribution drain lines shall be constructed of perforated PVC pipes or perforated clay pipes. Other materials approved by the Chief may be used, provided that sufficient openings are available for distribution of the effluent into the leach bed area.

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E. Before placing filter material or drain lines in a prepared excavation, all smeared or compacted surfaces shall be removed from the leaching bed area by raking to a depth of 1-inch and the loose material removed. Clean stone, gravel, slag, or similar filter material acceptable to the Chief, varying in sizes from 3/4 inch to 2-1/2 inches shall be placed in the trench to the depth and grade required in TABLE IV and FIGURE 4.

Drain lines shall then be covered with filter material to the minimum depth required on TABLE IV and this covered with untreated building paper, straw, or similar porous material to prevent closure of voids with earth backfill. No earth backfill shall be placed over the filter material cover until after inspection and acceptance by the Chief or his authorized representative.

- F. Connections between a septic tank and main distribution lines shall be laid with approved pipe with watertight joints on natural ground or compacted fill.
- G. Disposal or leaching field shall be constructed as follows:

Minimum number of drains 2 feet
Maximum length of each line
Minimum bottom width of leachbed 12 feet
Maximum bottom width of leachbed42 feet
Minimum bottom length of leachbed21 feet
Maximum bottom length of leachbed
Minimum spacing of drain lines center to center 6 feet
Preferred depth of cover of lines24 inches
Minimum depth of earth cover over lines18 inches
Minimum filter material under drain lines 6 inches
Minimum filter material over drain lines 2 inches
Minimum total filter material
* Minimum grade of lines6 inches per 100 feet
* Minimum grade of lines3 inches per 100 feet

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Note: * When perforated pipe is used it shall be laid level and with the end of the line capped. Where leaching beds are permitted, distribution drain lines in leaching beds shall not be more than six (6) feet apart on centers and no part of the perimeter of the leaching bed shall be more than three (3) feet from a distribution drain line. When necessary on sloping ground to prevent excessive line slope, leach lines or leach beds shall be stepped. The lines between each horizontal section shall be made with watertight joints and shall be utilized to the maximum capacity before the effluent shall pass to the next lower leach line or bed. The lines between each horizontal leaching section shall be made with approved watertight joints.

SECTION XIV SEEPAGE PITS (Figure 6)

- A. Seepage pits should only be used with septic tanks. Use of such seepage pits is acceptable only when soil conditions and topography are appropriate, and only with the approval of the Chief. Seepage pits are not recommended in limestone areas nor in localities where shallow wells are used.
- B. Seepage pits may be considered to be used to supplement the subsurface disposal field or in lieu of such field where conditions favor the operation of seepage pits, as may be found necessary and approved by the Chief on a case-by- case basis.
- C. Care should be taken to avoid extending the seepage pit into ground water table. Where the pit is used to receive the septic tank effluent, the same limitations established on TABLE II shall govern the location of the pit.
- D. The capacity of seepage pits shall be such as based on the quality of liquid waste discharging thereinto, and on the character and porosity of the surrounding soil and shall conform to established guidelines on TABLE III and V.
- E. When more than one seepage pit is used, installation may be operated in series or in parallel. If operated in series each pit shall be equipped with an inlet tee or ell. If it operates in parallel a tee, wye, or distribution box shall be used. an outlet tee or ell shall be raised to prevent scum floating into the second pit.

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- F. Effective absorption area of a seepage pit shall be calculated as the side area only below the inlet, exclusive of any hard span, rock or impermeable clay soil layer. Required seepage pit shall be determined from TABLE II and V.
- G. A minimum depth of 4 feet of porous formation shall remain or be provided at the bottom of each pit. Pits less than 20 feet deep shall have an inside diameter established on TABLE V. No pit excavation shall extend into the water table. Where ground water is encountered the bottom of the pit shall be backfilled with clean coarse sand at least 3 feet above the water table.
- H. Pipe with tight joints shall be used in connecting the septic tank to the pit.
- I. All seepage pits shall be either lined or filled with coarse stone. The lining may be brick, stone, block, or similar durable materials, laid in cement mortar above the inlet and with tight butted joints below the inlet. The annular space between the lining and the earth wall shall be filled with clean 3/4" crushed rock or gravel. Where caving is possible, seepage pits shall be lined with concrete building blocks, stones or precast ring or similar materials.
- J. Provide for each pit a 4 inch thick concrete top, not less than 12" or more than 18" in diameter or of equal area for inspection and cleaning purposes. The top shall bear on at least 12 inches of soil around the pit, or on top of the pit wall. The top shall be not more than 18 inch below the finished grade.
- K. All brick or block used in seepage pit construction shall have a minimum compressive strength of twenty-five hundred (2,500) pounds per square inch.
- L. The bottom of the pit is not compacted for absorption. It should be noted therefore that a 6-foot-diameter pit has 28.26 sq. ft. of absorption area per foot of depth while an 8-foot-diameter pit has 25.14 sq. ft. of wall area per foot of depth.

SECTION XV INSPECTION OF WORK IN PROGRESS

A. The project shall be inspected on a regular basis by inspectors from the CNMI Division of Environmental Quality to assure that construction of septic tanks and leaching fields or seepage pits are in compliance with approved plans and specifications, and in accordance with the CNMI Division of Environmental Quality regulations.

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- B. In accordance with septic tank construction standards:
 - Schedule of concrete pouring must be made twenty-four (24) hours in advance and work must be performed in the presence of the Chief or his representative;
 - 2. All construction work such as septic tank or seepage pits, and leaching field installation must be inspected by the Chief or his representative prior to covering or concealment;
 - It shall be the duty of the permit holders pursuant to this regulation to notify the Division issuing the permit when (a) and/or (b) above are ready for inspection.
- C. Failure to comply with the above requirements may result in unnecessary delays to the project or a suspension of work or denial of a Certification for Use and an order to remove portions or all of the offending structures.
- D. After completion of the project, final inspection by the Chief or his representative shall be conducted on septic tanks and leaching fields or seepage pits to assure that the work is in accordance with the approved plans and specifications and that CNMI requirements are met.

SECTION XVI STOP WORK ORDERS

In the event construction on an individual wastewater disposal system is commenced without a permit, or work performed is not in accordance with approved plans and the specifications or any approved changes or revisions thereto, or unsafe construction practices are continued after sufficient warnings by the Chief or his authorized representatives, a STOP WORK ORDER shall be issued by the Chief which will be in effect until the conflict is resolved.

SECTION XVII CERTIFICATION FOR USE

After final inspection of an individual wastewater disposal system indicates that the work performed was done in accordance with approved plans and specifications that the system is consistent with appropriate requirements imposed as conditions to a permit issued under these regulations and the Chief or his authorized representative shall issue an individual wastewater disposal system certification for use. A Certification for Use shall be considered necessary prior to the disposal of wastes into an individual wastewater disposal system.

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SECTION XVIII TEMPORARY TOILET FACILITIES (TTF)

- A. Temporary Toilet Facilities (TTF) shall be provided for:
 - any construction job-site where working toilets connected to a sanitary sewer system are not readily available for the needs of the employees;
 - 2. any carnival, fair, sporting event, outdoor concert or large public gathering requiring a permit, hereafter, collectively referred to as a "special event", where adequate working toilet facilities connected to a sanitary sewer do not exist. Adequacy shall be determined from the TABLE VII - Toilet Receptacles Required for Special Events.
- B. Temporary Toilet Facilities may be chemical, recirculating or combustion providing they comply with existing CNMI Codes.
- C. The minimum number of TTF required for a construction site shall be consistent with TABLE VI.
- D. Any construction site or special event requiring DEQ approval for permitting will provide proof that the minimum required number of toilet facilities are available or will be available for the period of time that the permits are valid.
- E. Failure to comply
 - Any construction site not complying with the minimum number of TTF will be given a written warning and given 48 hours to comply. Failure to comply within the given period will result in a STOP WORK ORDER issued by the Chief and the revocation of the Division's approval required for any permit associated with the project.
 - 2. Any special event not meeting the minimum number of TTF will be issued an administrative order to immediately suspend activities until requirements under A2 above are met.

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SECTION XIX CLEANING WASTEWATER SYSTEM, DISPOSAL OF WASTEWATER, REQUIREMENTS AND PROCEDURES

- A. All persons engaged in the business of cleaning individual sewage disposal systems or disposing of the wastes therefrom shall comply with appropriate business licensing under CNMI law and, in addition, shall apply for sanitary waste handling registration from the Chief. Such business shall be conducted in conformity with the following requirements and in accordance with the regulations.
 - 1. The name and address of the person or company using a vehicle for cleaning purposes, shall be legibly lettered on both sides of each such vehicle.
 - Every vehicle used for cleaning purposes shall be equipped with a watertight tank or body and be maintained in a clean and sanitary condition. Sewage waste shall not be transported in an open body vehicle.
 - 3. All portable receptacles used for transporting liquid or solid waste shall be watertight, equipped with tight-fitting lids, and shall be cleaned daily.
 - 4. All pumps and hose lines shall be properly maintained so as to prevent leakage.
 - 5. Approval in writing shall be obtained from the Chief for every site at which the person plans to discharge the waste material collected. The approval may be given after consultation with and concurrence by Wastewater Branch, Department of Public Works.
 - 6. The hose or any similar devise used for discharging waste must be inserted into the earmarked manhole to a depth of approximately two (2) feet, to prevent any spray or spillage into the surrounding area.
 - 7. Every precaution must be taken to prevent any public nuisance or health hazard which may be caused by their service.
- B. Registration shall be issued to any person properly making application therefor, who is not less than twenty-one (21) years of age, has successfully demonstrated the ability to handle the equipment, and only after the place or places and manner of disposal of the cleanings proposed by said applicant are approved by the Chief.

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- C. Registration issued pursuant to these Regulations is not transferable and shall expire December 30th of each year. A Registration may be renewed for an ensuing year by making application for renewal of the registration, which shall be issued upon determination of the applicant's observance of sanitary laws, ordinance, and directions. Such application shall have the effect of extending the validity of the current registration until a new registration is received or the applicant is notified by the Chief that the renewal of the registration has been refused.
- D. Upon request by the Chief, all persons who are registered to clean individual sewage disposal systems, or to dispose of the wastewater therefrom, shall file with the Chief a statement giving the address of the premises name and the address of the owner or tenant of each and every one of the premises the where an individual sewage disposal system has been cleaned by said registrant, or his employee, or by others on his behalf. The report will be submitted on a monthly basis, covering a 4 week period.
- E. Non-compliance of the requirements of these regulations may result in the revocation or suspension of the applicant's registration. Any applicant whose registration is suspended must correct all discrepancies noted in the suspension within 30 days, otherwise his registration may be revoked.
- F. Registration under these regulations shall not be construed as impairing in any manner, the powers and duties established by law or regulation of any other authorized government entity in the CNMI.

SECTION XX MAINTENANCE

- A. Maintenance of septic tanks and leaching fields shall be the responsibility of the owner, unless mutually agreeable arrangements are made with a private company.
- B. Owners of septic tanks or seepage pits shall empty and clean the tank or pit when necessary, and the contents disposed of in such place and manner as shall be authorized by the Chief.
- C. Septic tank should be inspected by the owner at intervals of no more than 3 years to determine the rates of scum and sludge accumulation. The inlet and outlet structures and key joints should be inspected for damage after each pump-out.

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- D. The tank should be cleaned whenever:
 - 1. the bottom of the scum layer is within 3 inches of the bottom of the outlet device;
 - 2. the sludge level is within 8 inches of the bottom of the outlet device.
- E. Septic tank sludges and temporary toilet sludges shall be disposed of by hauling such sludge to a sewage treatment facility whenever this is possible. When no treatment facility is available, such sludge may be disposed by sludge spreading or spraying, in permitted sites only, by licensed pumpers. Permit for sludge spreading sites or discharge of waste materials collected from septic tanks and temporary sewage tank for every site shall be obtained from DEQ and approved by the Chief.

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TABLE I

GUIDELINES FOR CONSTRUCTION OF SEPTIC TANK (LIQUID CAPACITY)

Number of	Recommended Sewage Flow* (Gallons)	Recommended Minimum Tank Capacity	Recommended Minimum Inside Tank Dimension
Bedrooms	GPD	(Gallons)	L.W.D.
2	480	750	6' x 4' x 6'
3	720	1,080	7'-6" x 4' x 6'
4	960	1,440	7' x 6' x 6'
5	1,200	1,800	7' x 7' x 6'
6	1,440	2,160	7' x 7' x 7'

Source:

B. For Large Septic Tanks - For flows between 1,500 and 15,000 gal./ day, the minimum tank capacity should be equal to 125 gallons plus 75% of daily sewage flow. The formula V = 1,125 + 0.75 may be used, value V is the net liquid volume of the tank in gallons, and Q is the daily sewage flow in gallons. TABLE 1A, "Quantities of Sewage Flow" may be used to determine average flow per day for determining size of large septic tanks.

Example:

A motel providing bath, toilet, and kitchen facilities is to serve a maximum of 80 persons. Determine the capacity and dimensions of the septic tank needed. TABLE 1A indicates 50 gallons of sewage per capita per day, or a total of 4,000 gallons. This is Q in the formula. Then $V = 1,125 + 0.75 \times$ 4,000 = 4,125 gallons. There are 7.48 gal. in a cubic foot. Then 4,125 \div 7.48 = 552 cu. ft. A tank 5 ft. deep (liquid), 7 ft. wide, and 16 feet long will provide 560 cu. ft.

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TABLE IA

QUANTITIES OF SEWAGE FLOW

G Type of Establishment	allons per person per day
	per day 50 75 60 40 50 10 50 60 7-10 $2^{1}2-3$ 2 35 50 100-150 50 150 150 15 150-250 + 75-125
Airports (per passenger) Self-service laundries (gal per wash, i.e., per customer) Stores (per toilet room) Service stations (per vehicle served)	3-5 50 400 10

SOURCE: Manual of Septic Tank Practice.

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TABLE II

То From Septic Absorption Absorption Tank Bed Field 100' 150' 150' 1. Any water of the Commonwealth, other than underground water 2. Any dwelling, school, public building, or a building used for commercial or industrial 10' 20' 20' purpose 5' 5' 5' 3. Property boundary lines Water lines 10' 10' 10' 4. 150' 250' 250' 5. Wells

MINIMUM SAFE DISTANCES IN FEET

NOTE: Should there be any legislative amendment to any minimum safe distance requirement, the latest amendment shall govern.

No septic tank shall be constructed in a position not easily accessible for emptying or cleaning.

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TABLE III

GUIDELINES FOR CONSTRUCTION OF SEPTIC TANK AND LEACHFIELD IN THE CNMI

Number of Bedrooms	Wastewater Flow (gpd)	Septic Tank Capacity (:al)	Percolation Test Rate	Required Absorption Area (SF)
2	480	750	1" - 5 min 1" - 10 min 1" - 15 min 1" - 30 min 1" - 45 min 1" - 60 min	250 330 380 500 600 800
3	750	1,080	1" - 5 min 1" - 10 min 1" - 15 min 1" - 30 min 1" - 45 min 1" - 60 min	328 450 545 800 900 1,200
4	960	1,440	1" - 5 min 1" - 10 min 1" - 15 min 1" - 30 min 1" - 45 min 1" - 60 min	436 600 738 1,070 1,200 1,600
5	1,200	1,800	1" - 5 min 1" - 10 min 1" - 15 min 1" - 30 min 1" - 45 min 1" - 60 min	545 750 924 1,340 1,500 2,000
6	1,440	2,160	l" - 5 min l" - 10 min l" - 15 min l" - 30 min l" - 45 min l" - 60 min	660 900 1,100 1,600 1,800 2,400

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TABLE III-A

2 480	1-5 min.			(Sq. Feet)
	1-10 min. 750 1-15 min. 1-30 min. 1-45 min. 1-60 min.		12' x 21' x 3' 18' x 20' x 3' 18' x 22' x 3' 18' x 28' x 3' 18' x 34' x 3' 18' x 45' x 3'	250 sq.ft. 330 sq.ft. 380 sq.ft. 500 sq.ft. 600 sq.ft. 800 sq.ft.
3 750 1,	l- 5 min. 1-10 min. 080 l-15 min. 1-30 min. 1-45 min. 1-60 min.	2.2g/da. 1.6g/da. 1.3g/da. 0.9g/da. 0.8g/da. 0.6g/da.	18' x 19' x 3' 18' x 25' x 3' 18' x 31' x 3' 24' x 34' x 3' 24' x 38' x 3' 30' x 40' x 3'	328 sq.ft. 450 sq.ft. 545 sq.ft. 800 sq.ft. 900 sq.ft. 1,200 sq.ft.
4 960 1 ,	1- 5 min. 1-10 min. 1-15 min. 440 1-30 min. 1-45 min. 1-60 min.		18' x 25' x 3' 18' x 34' x 3' 18' x 41' x 3' or 24 x 13 24' x 45' x 3' 30' x 40' x 3' 30' x 54' x 3'	
5 1,200 1,	l- 5 min. 1-10 min. 800 1-15 min. 1-30 min. 1-45 min. 1-60 min.		18' x 31' x 3' 18' x 42' x 3' 24' x 38' x 3' 30' x 45' x 3' 30' x 50' x 3' 30' x 52' x 3'	545 sq.ft. 750 sq.ft. 924 sq.ft. 1,340 sq.ft. 1,500 sq.ft. 2,000 sq.ft.
6 1,440 2,	l- 5 min. 1-10 min. 1-15 min. 1-30 min. 1-45 min. 1-60 min.	<u></u>	18' x 37' x 3' 24' x 38' x 3' 30' x 37' x 3' 36' x 45' x 3' 36' x 50' x 3' 42' x 57' x 3'	900 sq.ft. 1,100 sq.ft. 1,600 sq.ft. 1,800 sq.ft.

RECOMMENDED MINIMUM LEACHFIELD SIZES

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TABLE IV

SUBSURFACE LEACHING FIELD CONSTRUCTION DETAILS

Item	Unit	Max.	Min.
Number of distribution drain lines		7	2
Distance from drain line along perimeter of leach bed	feet	3	2
Length of leach bed	feet	57	21
Width of leach bed	feet	42	12
Depth of leach bed bottom	inches		36
Depth of coarse material:			
Under pipe	inches		6
Over pipe	inches		2
Total	inches		12
Size of coarse material	inches	$2\frac{1}{2}$	3/4
Depth of backfill over coarse material	inches		24
Distance bet. drain lines center to center	feet	6	6

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TABLE V

No. of Pit Diameter Ft. Depth Ft. 1 6' diameter 14' - 0" 1 8' diameter 13' - 6" 1 8' diameter 13' - 6" 2 6' diameter 13' - 6" 2 8' diameter 12' - 0" 2 8' diameter 12' - 0" 2 6' diameter 14' - 6" 3 6' diameter 14' - 6" 3 6' diameter 16' - 0" 4 6' diameter 16' - 0" 2 6' diameter 16' - 0" 3 8' diameter 16' - 0" 2 6' diameter 16' - 0" 3 8' diameter 16' - 0" 4 8' diameter 16' - 0" 3 8' diameter 16' - 0" 4 8' diameter 12' - 6" 4 8' diameter 12' - 6" <th></th> <th>Seepage Pit Dd = A</th> <th></th>		Seepage Pit Dd = A	
1 6' diameter $14' - 0"$ 1 8' diameter $33' - 6"$ 2 6' diameter $33' - 6"$ 2 6' diameter $13' - 6"$ 2 8' diameter $12' - 0"$ 2 6' diameter $14' - 6"$ 3 6' diameter $14' - 6"$ 3 6' diameter $14' - 6"$ 4 6' diameter $16' - 0"$ 2 6' diameter $16' - 0"$ 4 6' diameter $16' - 0"$ 2 6' diameter $16' - 0"$ 2 6' diameter $16' - 0"$ 2 6' diameter $16' - 0"$ 3 8' diameter $16' - 0"$ 4 8' diameter $12' - 6"$ 3 8' diameter $12' - 0"$ 4 8' diameter $12' - 0"$ 5 8' diameter $12' - 0"$ 5 8' diameter $12' - 0"$ </th <th>No. of Pit</th> <th></th> <th>Depth Ft.</th>	No. of Pit		Depth Ft.
1 8' diameter 13' - 6" 1 8' diameter 15' - 6" 2 6' diameter 13' - 6" 2 8' diameter 12' - 0" 2 8' diameter 13' - 6" 2 8' diameter 12' - 0" 2 8' diameter 13' - 6" 2 6' diameter 12' - 0" 2 6' diameter 14' - 6" 3 6' diameter 14' - 6" 4 6' diameter 16' - 0" 4 6' diameter 16' - 0" 2 6' diameter 16' - 0" 4 6' diameter 15' - 0" 3 8' diameter 16' - 0" 4 8' diameter 16' - 0" 4 8' diameter 16' - 0" 2 6' diameter 16' - 0" 4 8' diameter 12' - 6" 3 8' diameter 16' - 0" 4 8' diameter 12' - 6" 5 8' diameter 13' - 6" 5 8' diameter 13' - 6" 6' diameter </td <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>			· · · · · · · · · · · · · · · · · · ·
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5 8' diameter 14' - 0"		8' diameter	
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	6	8' diameter	15' - 0"

GUIDELINES FOR SIZES OF SEEPAGE PITS

NOTE:

- 1. If two or more seepage pits are being used as a leaching field pits, the distance between seepage pits should be at least 3 times the diameter of seepage pit.
- 2. Minimum distance of at least 20' ft. for pits over 20' ft. in depth.
- Seepage pits should not be used when percolation rates are 1" 60 minutes.

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TABLE VI

Number	of	TTF	Required	for	Construction	Sites

Number of Employees	Minimum Number of Units
l to 15	1
16 to 30	2
31 to 51	3
52 to 72	4
73 to 93	5
over 93	l add'l unit per 20 employees

TABLE VII

Toilet Recestacles Required for Secial Events (Minimum)

umber of People	Number	of Hou	irs							
	1	2	3	4	5	6	7	8	9	10
1,000 or below	1	1	1	2	2	2	3	3	3	4
2,000	1	2	2	3	4	4	5	6	6	7
3,000	1	2	3	4	5	6	7	8	9	10
4,000	2	3	4	6	7	8	9	12	12	14
5,000	2	4	5	7	9	10	12	15	17	19
6,000	2	4	6	8	10	12	14	16	18	20
7,000	3	5	7	10	12	14	17	19	21	24
8,000	3	6	8	11	14	16	19	22	24	27
9,000	3	6	9	12	15	18	21	24	27	30
10,000	4	7	10	14	17	20	24	27	30	34

Ref: Satellite Industries of Minneapolis; Minn. Portable Sanitation Unit Calculator for Special Events.

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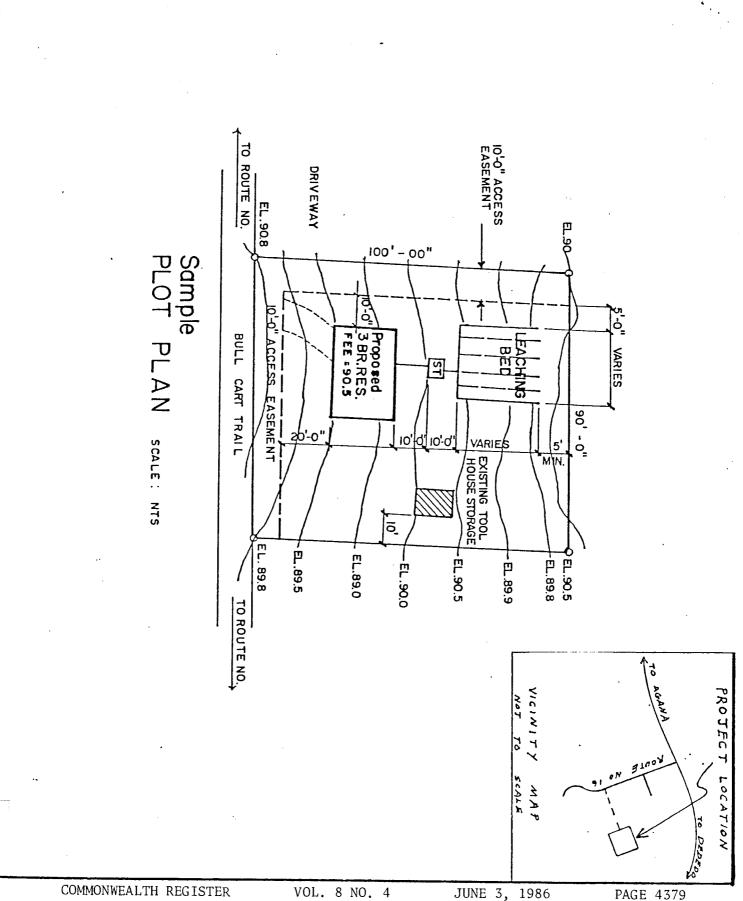


FIGURE 1 SAMPLE PLOT PLAN

•

SEWAGE DISPOSAL SYSTEM

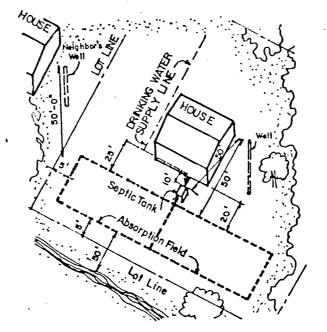


Figure 2 SEWAGE DISPOSAL SYSTEM

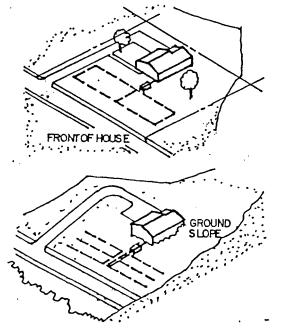
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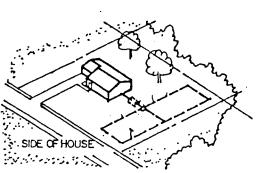
LOCATION OF SEPTIC TANKS ON VARYING GROUND SLOPES

IN LOCATING SEPTIC TANK, CONSIDER FUTURE EXTENSION OF A PUBLIC SEWER SO THAT A MINIMUM REROUTING OF THE BUILDING SEWER WILL BE NECESSARY.

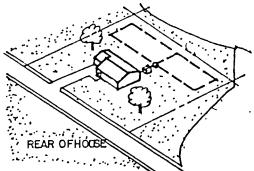


1. -

When the ground slopes to the front of the house, the tank and field should be located as shown.



Illustrates the location when ground slopes to the sides.

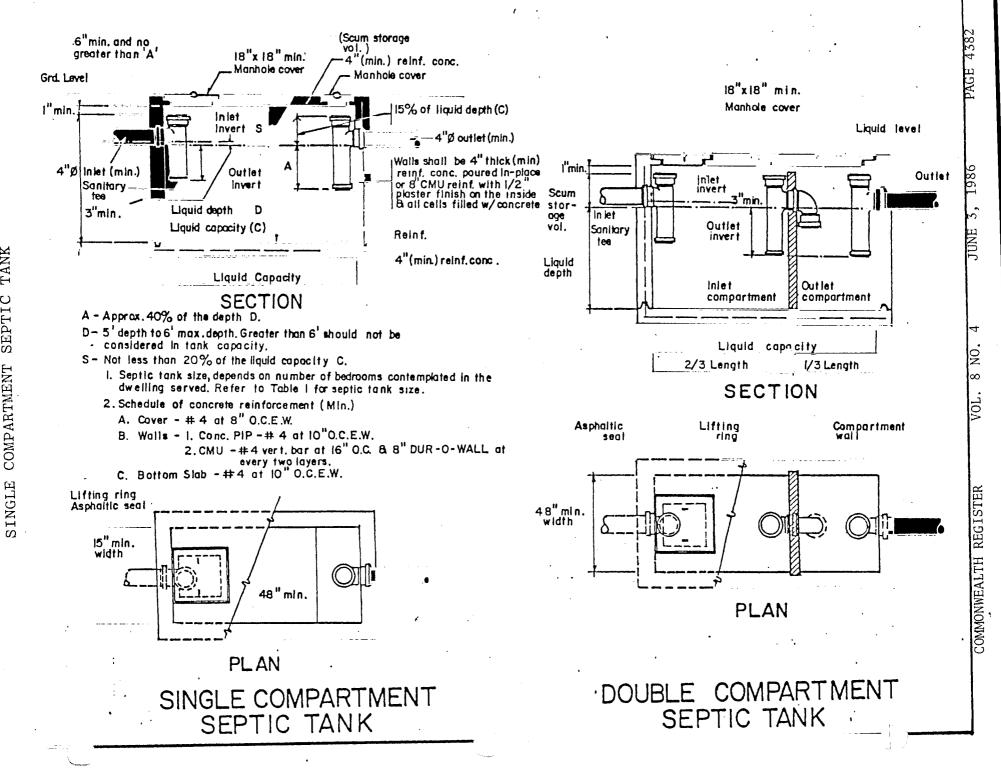


Illustrates the location when ground slopes to the rear .

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3Aand \mathfrak{c} FIGURE

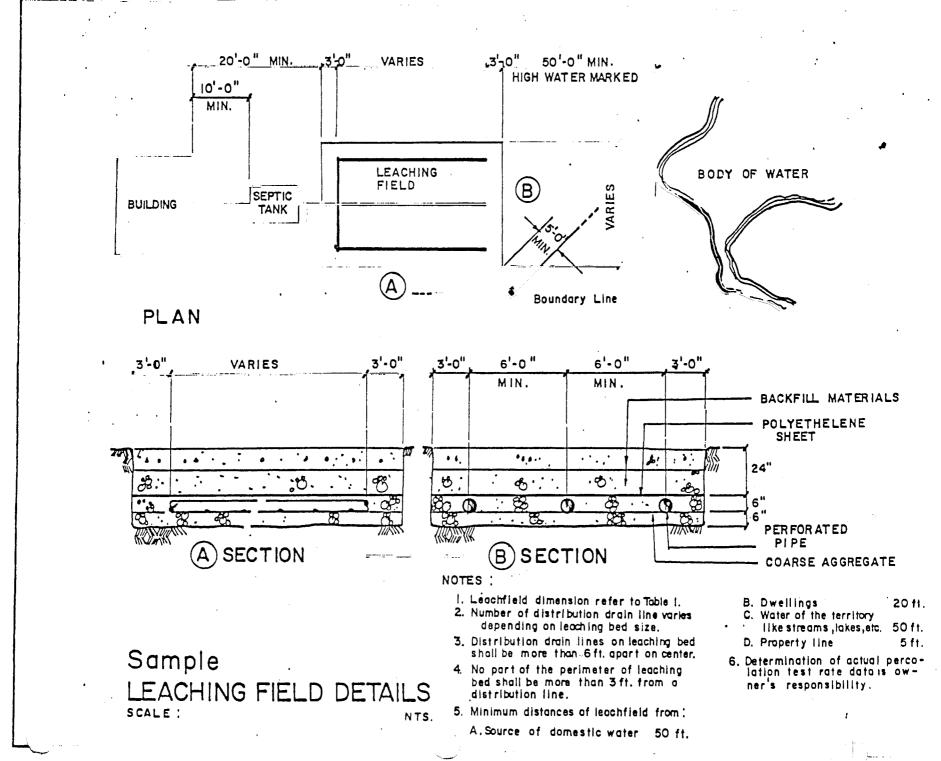


FIGURE 4 SAMPLE LEACHING FIELD PLAN

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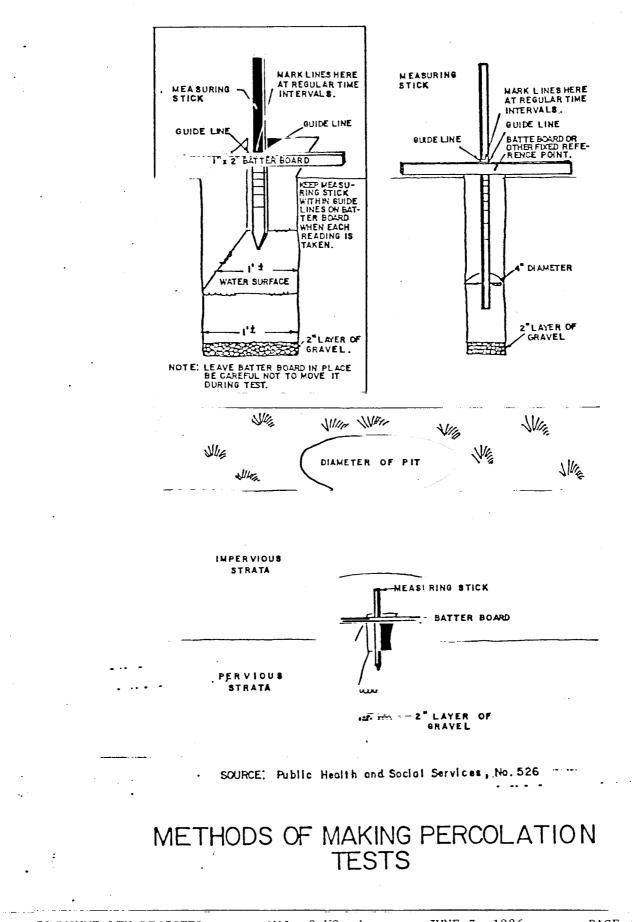
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FIGURE 5

METHODS OF MAKING PERCOLATION TESTS



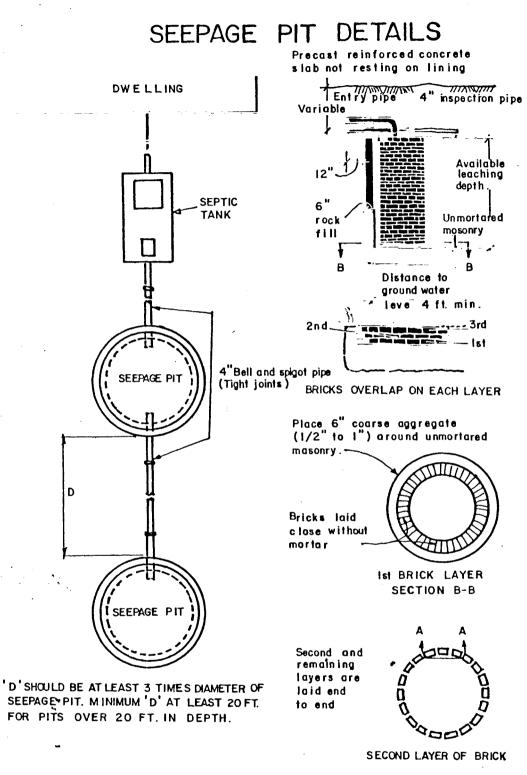
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FIGURE 6

SEEPAGE PIT



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SECTION XXII SAMPLE DESIGN ILLUSTRATION

A. Lot Requirement

Given:	3 BR House with washing machine and garbage grinder 2 persons per bedroom 75 gallons per person per day
Additional:	40% of flow for washing machine 20% of flow for garbage grinder
Flow:	3 BR x 2 person/BR x 75 Gal/Person/Day = 450 Gallons/Day
Total Flow:	450 + 40% (450) + 20% (450) 450 + 60% (450) 450 + 270 = 720 Gallons/Day

Desired Treatment:

(1) Septic Tank System Given: (A) Lot Size = 15,000 sq. ft. Area needed for septic tank effluent = 7200.05 Area needed = 14,000 sq. ft. 15,000 sq. ft. 14,400 sq. ft. ok (lot size adequate) Therefore, minimum lot size of 15,000 sq. ft. area shall be needed if septic tank system is adopted. Β. Septic Tank Design - (Three Bedroom House) V = Total flow + 50% (total flow) (provision for detention period for treatment inside septic tank). V = 720 + 50% (720) = 720 + 360= 1080 gallons = 1080 gallons 7.48 gal/cu.ft. = 144.3 cubic feet Depth = 5' - 0'' + 1'0'' Air Space Try Width = 4' - 0''Therefore length = $\underline{144}$ = 7.22' say 7'-6" 5x4

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Septic Tank Dimension = $7'-6'' \times 6'W \times 5'D$ Volume = $7'-6'' \times 4' \times 5' = 150 \text{ cu.ft.}$ $\begin{array}{c} 150 & 144 \\ \text{Check} = 1.5 & \underline{L} & 2.5 & \underline{L} & \text{ration} = 1.88 \\ \hline{W} & \overline{W} & \end{array}$ Adopt Septic Tank Dimension = $7' - 6'' \times 4'W \times 6'D$ C. Absorption Area: (Three Bedroom) Total Flow = gallons Say percolation rate of 1" - 15 minutes $\frac{720}{1.3}$ = 525 sq. ft. 1. Leaching Field: Note: (Minimum Separation of Leaching Pipe shall be 6 ft. on center) Say Width = 18' - 0''Length = $\frac{545}{18}$ = 30.2 ft. say 31 ft. Therefore length field size = 18'W x 31'L x 3'0 2. Seepage Pit: 545 sq. ft. sidewall area only Circumference x Depth = 545 sq. ft. (5) (D) (d) = 545 sq. ft.

SECTION XXIII ENFORCEMENT, REMEDIES, AND PENALTIES

A. Administrative Orders

The Chief shall have the power to issue any necessary order to enforce these regulations and any term of a permit granted pursuant to these regulations. Such order may require that any person violating such provision or term cease and desist from such violation immediately or within a stated period of time, and may require that such person take such mitigating measures as may be necessary to reverse or reduce any significant adverse effect of such violation. Such order may apply to any person in addition to the violator when necessary to protect the public health or welfare.

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Β. Injunctive Relief

At the request of the Department, the Attorney General shall institute a civil action in the Commonwealth Trial Court for a temporary restraining order, injunction, or other appropriate remedy to enforce any provision of these regulations order issued under these regulations, or any term of a permit granted pursuant to these regulations.

- C. Penalties and Damages
 - Any person who fails to comply with any provision of these 1. regulations or any order issued under these regulations or any term of a permit granted pursuant to these regulations after notice of the failure and the expiration of any reasonable period allowed for corrective action shall be liable for a civil penalty of not more than \$1,000 for each day of the continuance of such failure.
 - 2. A person shall be liable for an additional penalty for any amount expended by any agency of the Commonwealth in taking any necessary action to reverse or reduce any significant adverse effect of the failure when the person is unwilling or unable to do so.
 - 3. If appropriate, any permit granted to a person pursuant to these regulations may be revoked, suspended, or modified. The Director may assess, collect, or compromise any penalty.
 - Any person who knowingly and willfully: 4.
 - (a) violates any provision of these regulations or any order issued under these regulations, or any term of a permit granted pursuant to these regulations;
 - (b) makes any false statement, representation, or certification in any application, record, report, or other document filed or required to be maintained under these regulations; or
 - (c) falsifies, tampers with, or renders inaccurate any monitoring device or method of record required to be maintained under these regulations; shall, upon conviction, be punished by a fine of not more than \$50,000, or by imprisonment for not more than one year, or both. Each day that a violation under clause (a) of this subsection continues, or each day that any device or method of record remains inaccurate or inoperative because of any activity described in clause (c) of this subsection, shall constitute a separate violation.

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- 5. Whenever a corporation or other entity is subject to prosecution under subsection (4) of this section, any officer or agent of such corporation or entity who knowingly and willfully authorized, ordered, or carried out the prescribed activity shall be subject to the same fines or imprisonment, or both, as provided for under such subsection.
- 6. The remedies and penalties prescribed in this action shall be concurrent and cumulative, and the exercise of one shall not preclude the exercise of the others, and such remedies and penalties shall be in addition to any other remedy or penalty afforded by any other law or regulation.
- D. Hearings and Appeals -
 - 1. No penalty shall be assessed pursuant to Section XXIII(C) of these regulations until the person charged with violation has been given an opportunity for a hearing before the Chief or a person designated by the Chief for that purpose; provided, however, that in emergencies the Chief may summarily suspend a permit pending proceedings under this subsection.
 - 2. Appeals from and judicial review of any adverse administrative action or decision under this Act shall be conducted as otherwise provided by law.
- E. Right of Entry -
 - 1. As a condition for the issuance and continuation of any permit granted under these regulations, the holder of a permit shall allow prompt access to the premises covered by the permit to the Chief or his authorized representative for the purpose of inspecting the premises for compliance with the terms of the permit. The inspection may be made with or without advance notice to the permit holder, with good purpose, at the discretion of the Chief, but shall be made at reasonable times unless an emergency dictates otherwise.
 - 2. The Chief or his authorized representative may, with the consent of the owner or occupant, enter upon any property for the purpose of carrying out his duties under this Act.
 - 3. If the Chief has probable cause to believe a violation of these regulations or any order issued under these regulations, or any term of a permit granted that these regulations has occurred or is imminent, or if it is necessary to permit the Chief to perform his duties under this Act, the Chief shall apply to the Commonwealth Trial Court or the District Court for the Northern Mariana Islands for an order or warrant to enter upon and search any property, take necessary samples or readings therefrom, seize evidence found therein and examine or impound any book or record found therein or specified in such order or warrant.

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- 4. The Chief or his authorized representative may enter upon any property for the purpose set forth in subsection (3) of this section without an order or warrant if he has probable cause to believe;
 - (a) that a violation described in the subsection has occurred or is imminent;
 - (b) that the violation poses a serious, substantial, and immediate threat to the public health or welfare; and
 - (c) that the delay in obtaining a court order or warrant would prolong or increase the threat, or would prevent, hinder, or delay the discovery of evidence of the violation or the taking of any necessary mitigating or remedial measure.

SECTION XXIV FEES

- A. Payment in Full: The Chief shall not initiate any action authorized by these rules and regulations which requires a fee prior to receipt of full payment of such fee.
- B. Required Fee: Fees shall be determined from time to time by the Chief in accordance with individual cost accounting principles. In no case shall the Chief charge and collect a fee less than \$25.00 unless otherwise stated. Any CNMI or Federal government agency shall be exempt from paying any fee prescribed herein.
- C. Fees shall be required as follows:
 - 1. Filing Fee for each application for a permit to install an individual sewage system;
 - 2. Filing Fee for sanitary waste handling registration.

SECTION XXV SEVERABILITY

Should any section, paragraph, sentence, clause, phrase, or application of these rules and regulations be declared unconstitutional or invalid for any reason by competent authority, the remainder or any other application of these rules and regulations shall not be affected in any way thereby.

SECTION XXVI EFFECTIVE DATE

The effective date shall be immediately upon adoption of these regulations by the Department of Public Health and Environmental Services.

SECTION XXVII CONFLICT WITH SEWER USE REGULATIONS

If a conflict arises between the application of these regulations and Sewer Use Regulations which may be promulgated by the Department of Public Works, the Chief Engineer of the Wastewater Division of the Department of Public Works shall meet witht he Chief of the Division of Environmental Quality to resolve the conflict. If the Chief of the Division of Environmental Quality determines that the public health and safety may be endangered his decision on the applicaton of the regulations shall prevail.

SECTION XXVIII CERTIFICATION

The undersigned hereby certifies that these rules and regulations have been officially promulgated and adopted as final regulations pursuant to the authority contained in the Commonwealth of the Northern Mariana Islands Public Law 3-23.

OSE T. VILLAGOMEZ, Director De Artment of Public Health and

)Environmental Services

5/14/86 Date

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COMMONWEALTH PORTS AUTHORITY Main Office: SAIPAN INTERNATIONAL AIRPORT P. O. BOX 1055 -SAIPAN -CM 96950

Filed this ______ day of

<u>PUBLIC NOTICE</u> Office of Registrar of Corporations Commonwealth of the Northern Mariana Islands Adoption of Regulations

NOTICE IS HEREBY GIVEN, pursuant to the provisions of 1 CMC §§9102 and 9105, 2 CMC §2122(j), and §4 of the Regulations of the Registrar of Corporations, 5 C.R. No. 5, p.2148, that the Commonwealth Ports Authority has adopted and hereby publishes and promulgates amendments to its Terminal Tariff and Airport Rules and Regulations. The text of the amendments, which were originally published in 8 Commonwealth Register No. 3, follows.

The said amendments take effect 10 days after this publication in the Commonwealth Register.

The undersigned hereby certifies that he is the official who is authorized by law to approve the adoption of the Rules and Regulations of the Commonwealth Ports Authority; that the rules and regulations referred to in this Notice were formally adopted by the Commonwealth Ports Authority; and that the original and one copy of the said rules and regulations have been filed with the Registrar of Corporations.

DATED, this 15th day of May, 1986:

J.M. GUERRERO, Chairman Board of Directors

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SAIPAN INTERNATIONAL AIRPORT/SEAPORT P.O. Box 1055, Saipan, CM 96950

ROTA INTERNATIONAL AIRPORT/SEAPORT P.O. Box 561, Rota, CM 96951

WEST TINIAN AIRPORT/SEAPORT San Jose Village, Tinian, CM 96952



COMMONWEALTH PORTS AUTHORITY Main Office: SAIPAN INTERNATIONAL AIRPORT P. O. BOX 1055 • SAIPAN • CM 96950

AMENDMENT TO AIRPORT RULES AND REGULATIONS

 Part 12.1 of the Airport Rules and Regulations, as amended, is hereby further amended by deleting the phrase "Seven Dollars and Fifty Cents (\$7.50) minimum fee, or if greater,".

2. This amendment takes effect upon its adoption by the Board of Directors, and upon its promulgation in the manner provided by law.

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SAIPAN INTERNATIONAL AIRPORT/SEAPORT P.O. Box 1055, Saipan, CM 96950 ROTA INTERNATIONAL AIRPORT/SEAPORT P.O. Box 561, Rota, CM 96951

WEST TINIAN AIRPORT/SEAPORT San Jose Village, Tinian, CM 96952

Filed this _____ Bth day of May 19 86.

Office of Registrar of Comperations Comonwealth of the Northern Wardana Islands

PUBLIC NOTICE OF PROPOSED AMENDMENTS TO REGULATIONS PROVIDING FOR DISTRIBUTION OF HEADNOTE 3(A) PRODUCTION UNDER THE LIMITED WAIVER PROVIDED BY ADMINISTRATIVE AGREEMENT

The Department of Finance, pursuant to the authority of 1CMC § 2557 hereby gives notice to the public of its intention to amend the current regulations providing for distribution of Headnote 3(a) Production under the limited waiver provided by Administrative Agreement published in the Volume 7, No. 7 edition of the Commonwealth Register 1985.

All interested persons will be given a reasonable opportunity to submit data, views, and other comments in writing concerning the proposed amendments to these regulations. A public hearing will be held on June 16, 1986 at the Department of Finance at 10:00 a.m. . Written comments must be submitted to the Director o Finance not later than the close of business thirty (30) calendar days following the date of publication of this notice.

DATED, this 13^{4} day of MA_{1} , 1986.

REX I. PALACIOS Director of Finance

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NOTISIAN PARA I PUBLIKO POT PARA U MAAMENDA I REGULASION NI MUNA'E DISTRIBUSION I HEADNOTE 3(A) NA PRODUCSION

I Dipattamenton Fainansiat, segun gi autoridad i 1 CMC § 2557 hananahe i publico noticia pot i intensionna para u amenda i presente na regulasion ni hana guahahaye para distribuasion pot i Headnote 3(a) na Producsion.

Todu man interesante na petsonas man ma nana' i rasonabble na apottunidad para u na'halom tinige'niha, atgumenton-niha yan sinenten-niha pot este na proposito. Todo testimonio pot este na asunto debe de umana' halom guatu gi Direktot i Fainansiat pot mas atrasao 30 dias despues de i fechan este na noticia.

FECHA: Ma. 13, 1986

REX I. PALACIOS Direktot Fainansiat

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AMENDMENTS TO REGULATIONS PROVIDING FOR DISTRIBUTION OF HEADNOTE 3(A) PRODUCTION UNDER THE LIMITED WAIVER PROVIDED BY ADMINISTRATIVE AGREEMENT AS PUBLISHED IN VOLUME NO. 7, No. 7 EDITION OF THE 1985 COMMONWEALTH REGISTER

Section 202 will be amended to read as follows:

Section 202. Eligibility for Certificate.

(a) An applicant is eligible for a waiver certificate upon proof of:

(1) incorporation in the Commonwealth of the Northern Mariana Islands prior to January 30, 1985;

(2) a valid license to conduct a sweater manufacturing business prior to January 30, 1985;

(3) CNMI certificates of origin evidencing production in excess of 7,500 dozen sweaters under Headnote 3(a) prior to January 30, 1985; and

(4) full time employment of workers in garment manufacturing operation who are either United States citizens, certificate of identity holders, Public Law No. 5-11 permanent residents, or Trust Territory citizens who comprise the following percentages of the company's labor force:

(i) upon the effective date of this section -20%;

(ii) within 90 days - 25%;

(iii)before January 1, 1986 - 30%; and

(iv) before January 1, 1987 - 40%

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(b) Application for a waiver certificate shall be made before June 8, 1985.

(c) Certificate shall be awarded prior to June 15, 1985.

(5) Failure to maintain this minimum requirement at any time during the year shall cause a certificate to be suspended until proof of compliance.

Section 205. Change in Pro Rata Shares.

(a) Upon any decrease in the amount of the waiver by the United States, the effect of the decrease shall be shared equally among each of the holders of waiver certificates, to the maximum extent practicable.

(b) If the Chief determines upon a hearing that a company cannot be reasonably expected to utilize its entire waiver within the year, the share of the company may be re-assigned in equal shares to the remaining companies which can reasonably be expected to utilize the remainder.

(c) If it appears to any certificate holder that the manufacturer will be unable to produce a sufficient number of sweaters in order to utilize its entire waiver within the year, the holder shall surrender to the Chief the expected remainder prior to June 1. If a company fails to utilize more than 10% of its waiver in a year, the unused portion shall be deducted from its share for the next year. Any surrendered remainders or deductions from shares shall be distributed pro rata among other certificate holders who can be reasonably expected to utilize the increase in their share.

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Section 206. Retroactive Effect. The waiver certificates issued in June of 1.85 shall be retroactive to November 1, 1984 and shall expire on October 31, 1985. All shipments already documented by certificates of origin which entered the United States as part of the 70,000 dozen waiver shall be debited against the amounts of the certificate holders.

Section 207. Increase of Waiver.

(a) The division of shares of any waiver in excess of the 70,000 dozen agreement shall not be by pro rata share.

(b) Such division shall ensure a continued commitment by manufacturers to the training and employment of resident workers. Resident workers are those described in Section 202(a)(4).

(c) To the pro rata share of each company of the increased waiver shall be added a percentage of the entire amount of the increased waiver for certain achievements which shall be subtracted equally from the other companies' shares. The achievements of each company shall be assessed by the Chief of Customs in consultation with the Director of Commerce and Labor looking at the company's performance over the year. The achievements and percentages are:

(1) for the company which employs the
most resident workers (the number of man hours
per year)

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(3) for the company which has provided the best quality training program over a year.....5%

(4) for the company which has placed resident workers in more different positions

Example: If there are three companies eligible and the waiver is increased to 130,000 dozen, if one company received all the awards, then it would be entitled to 23,333 dozen (base pro rata share of 70,000 dozen) plus 20,000 (base pro rata share of 60,000 increase) plus 12,000 (20% of the 60,000 increase). The other companies would received 23,33 plus 14,000 dozen each.

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PUBLIC NOTICE

PROPOSED REGULATIONS GOVERNING THE USE OF PUBLIC SEWERS PURSUANT TO PUBLIC LAW 1-8 DEPARTMENT OF PUBLIC WORKS

The Director of the Department of Public Works of the Commonwealth of the Northern Mariana Islands is proposing nes regulations governing the use of and connection of public sewers.

The purpose of these regulations is to establish requirements for connection to public sewers when and where public sewers are available and to establish fees for the use of and connection to public sewers.

The proposed regulations include the following subject areas:

1. When residential and non-residential building must be connected to public available public sewers.

2. When a public sewer will be considered as being available for connection.

3. Design standards and requirements for the building wastewater line and its connection to the public sewer line.

4. Establishment of fees for sewer use and connection to a public sewer. There is no connection fee for single family residences and duplexes.

5. Sanctions and penalties for failure to connect to a public sewer when required, for failure to pay sewer charge and for any other violation of these regulations.

a complete copy of the regulations is published herewith and additional copies are available form the Department of Public Works, Lower Base, Saipan, CM 96950 (670)322-9371.

Anyone interested in commenting on the proposed Regulations Governing the Use of Public Sewers may do so by submitting comments in writing to the Director, Department of Public Works, Lower Base, Saipan, CM 96950, within thirty (30) days from the date this notice is published in the Commonwealth Re•ister.

JOHN C. PANGELINAN Director Department of Public Works

May 1, 1986 Date

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NOTISIA PUBLIKA

MAPROPOSA NA REGULASION NI PARA UGINEBETNA I MAUSAN I PUBLIKO NA TUBON HANOM APLACHA SEGUN I LAI PUBLIKO 1-8 DEPATTAMENTON OBRAS PUBLIKA

I Direktot i Depattamenton Obras Publika gi Sankattan na Islan Marianas haproposa nuebo na regulasion ni para uginebetna i mausan yan i koneksion guato gi publiko na tubon hanom aplacha.

I propositon este na regulasion esdesit pot para uestablese fotma na areglo gi para macho'guen i koneksion guato gi publiko na tubon hanom aplacha guihe siha na lugat anai guaha publiko na tubo yan pot para uestablese apas gi para mausan yan lokue apas koneksion gi tubon publiko.

I mapropoposa na regulasion hana sasaunao i sigiente siha na asunto:

1. Ngaian na debe de umana chetton (connection) i tubon guma familia o sea kuatkiet otro establesimiento guato gi tubon publiko.

2. Hafa na kondision na para umaconsidera na guaha tubon publiko anai sina makumple i koneksion.

3. Maestablese un modelu yan areklo para i tubon hanom aplacha ginen i gima yan i mana cheton-na guato gi tubon publiko.

4. Maestablesen i apas gi para mausan i tubon publiko yan apas koneksion para i tubon publiko. Koneksion guma familia guato gi tubon publiko umacho'gue sin apas.

5. Mutta yan pena pot ti makumple i koneksion guato gi tubon publiko anai debe esta de umacho'gue, pot ti ma-apase i maestablese na apas yan pot kuatkiet kontradiksion gi regulasion.

I masasangan na regulasion mapublika completamente guine, ya masea haye na hanesesita copian este na regulasion sina manule copia ginen i Depattamenton Obras Publikas gi Sadog Tase (Lower Base), Saipan, CM 96950, numeron telefon (670)322-9371.

Kuatkiet petsona na interesao manna'i opinion pot i mapropoposa na Regulasion ni para Uginebietna i Mausan Publiko na Tubon Hanom ApJacha, masosoyo' na utuge i opinion-na ya usubmite guato gi Direktot i Obras Publika, Lower Base, Saipan, CM 96950 gi halom 30 dias desde i fechan anai mapublika este na notisia gi Commonwealth Register.

& PANGELINAN

Direktøt i Depat Tamenton Obras Publika

May 7, 1986 recha

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PROPOSED

REGULATIONS GOVERNING THE

USE OF

PUBLIC SEWERS

WASTEWATER DIVISION

DEPARTMENT OF PUBLIC WORKS

SAIPAN, CM 96950

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AUTHORITY

These regulations have been promulgated by the Department of SECTION I. Public Works pursuant to Public Law 1-8 of the Commonwealth of the Northern Mariana Islands. These regulations and technical provision and specifications which may be adopted by the Department from time to time, shall have the force and effect of law and shall be binding on all persons and entities subject to the jurisdiction of the Commonwealth of the Northern Mariana Islands.

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ARTICLE I REGULATIONS REGARDING THE USE OF PUBLIC SEWERS

DEFINITIONS

SECTION 1. "Abutting Property" abutting property is defined as that property, which lies next to any road, street or easement in which a public sewer is located. The boundary of the private property abutting the sewer need not physically touch the sewer easement so long as that piece of land separating the sewer easement from the abutting property consists of a public right way, easement, road, or street not owned or controlled by another private owner, so that the abutting property owner would be required to obtain a private easement in order to connect this property with that of the sewer.

- SECTION 2. "BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20° C, expressed in milligrams per liter.
- SECTION 3. "Building Sewer" shall mean that portion of a sewer, normally privately owned and installed, between a building and its connection with the public sewer at the street right of way line, easement boundary, or other designated point.
- SECTION 4. "Chief Engineer" shall mean the Chief Engineer of the Saipan Wastewater Division of the Department of Public Works and/or as designated by the Director of the Department of Public Works.

SECTION 5. "CNMI" is the Commonwealth of the Northern Mariana Islands. SECTION 6. "DEQ" is the Division of Environmental Quality of the CNMI Department of Public Health.

- SECTION 7. "DPW" shall mean the Department of Public Works, under the director of the Director, Department of Public Works, CNMI.
- SECTION 8. "Garbage" shall mean solid and semi solid (i.e. grease) wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.
- SECTION 9. "Hook-up" refers to the physical connection of a sewer pipe to a sewer main or main lateral line of the public sewer. In general terms it is synomous with the word "connection."
- SECTION 10. "Industrial User" any nongovernment user of a publicly owned treatment works that discharges industrial wastes.
- SECTION 11. "Industrial Wastewater" all water-carried wastes and wastewater of the community excluding domestic wastewater and uncontaminated water. Includes all wastewater from any producing, manufacturing, processing, institutional, commercial, agricultural, or other operation where the wastewater discharged includes significant quantities of wastes of non-human origin.
- SECTION 12. "Privy" is a structure and excavation for the disposal of human excreta for non-water carriage methods and includes the term "pit privy", "trench latrine", and "bored-hole latrine."

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- SECTION 13. "pH" shall means the logarithm of the reciprocal of the concentration hydrogen ions in gram equivalents per liter of solution.
- SECTION 14. "Properly Ground Garbage" shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half (1/2) inch in any dimensions.
- SECTION 15. "Public Sewer" shall mean the sewerage system which is owned and/or operated by the Saipan Wastewater Division, DPW, CNMI.
- SECTION 16. "Sanitary Sewer" shall mean a sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.
- SECTION 17. "Seepage Pit" is a covered pit with open jointed lining through which treated or partially treated sewage effluent may seep or leach into the surrounding porous soil.
- SECTION 18. "Septic Tank" is a water tight receptacle which receives the discharge of untreated sewage and is designed and constructed so as to retain solids, digest organic matter through a period of detention, and allows the treated liquids to discharge into an external leaching field.
- SECTION 19. "Sewage Treatment Plant" or "Sewerage System" shall mean any arrangement of devices and structures use for treating or conveying sewage.

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SECTION 20. "Sewers" shall mean a pipe or conduit for carrying sewage.

- SECTION 21. "Slug" shall mean any discharge of water, sewage, or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than five (5) minutes more than (5) times the average twenty-four (24) hour concentration of flows during normal operation.
- SECTION 22. "Standard Methods" shall mean the examination and analytical procedures set forth in the latest edition at the time of analysis of <u>Standard Methods for the Examination of Water</u> and Sewa.e as prepared, approved and published jointly by the American Public Health Association, the American Water Works Association, and the Water Pollution Control Federation.
- SECTION 23. "Suspended Solids" shall mean solids that either float on the surface or, are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering techniques.
- SECTION 24. "Waste, Sewage or Wastewater" shall mean a combination of the water carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and stormwaters as may be present.

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ARTICLE II

BUILDING SEWERS AND CONNECTIONS

- SECTION 1. No unauthorized person shall uncover, make any connections with or opening into, use, alter, disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Director of the DPW.
- SECTION 2. The owner or his agent of a residential building or commercial establishment or his agent shall make application for a sewer connection permit on a form furnished by the DPW. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgement of the Chief Engineer. A permit and inspection fee for a residential or commercial building sewer permit shall be paid to the DPW after the inspection has been conducted. The permit fee shall be initially set at \$15.00 and the inspection fee at \$50.00/hour. Inspections may be charged at portions of the hourly rate.
- SECTION 3. All costs and expenses incident to the installation and connection of the building sewer to the public sewer shall be born by the owner. The owner shall indemnify the DPW for and hold harmless from any loss or damage that may directly or indirectly be caused by the installation and connection of the building sewer.
- SECTION 4. A separate and independent building sewer shall be provided for every building; except where one building stands at the

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rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building sewer from the front building may be extended to the rear building and the whole considerated as one building sewer.

- SECTION 5. Existing building sewers may be used in connection with new buildings only when they are found, on examination and tested by the Chief Engineer, to meet all requirements of this regulation.
- SECTION 6. The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the CNMI. In the absence of the code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the American Society for Testing Materials (ASTM) shall apply.
- SECTION 7. Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.
- SECTION 8. No person shall make connection of roof downspouts, exterior foundation drains, or any drains, or other sources of

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surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.

- SECTION 9. The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the CNMI. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the Chief Engineer before installation.
- SECTION 10. The applicant for the building sewer permit shall notify the DPW when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Chief Engineer or his designated representative. The Chief Engineer's time is not to be considered as part of the inspection, except in those instances when he is specifically requested by the Director, of DPW to make an inspection.
- SECTION 11. All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the DPW.
- SECTION 12. The public sewer shall be considered available for hook-up to a particular building when the public sewer has been

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constructed in a roadway, street or easement abutting the lot on which the building is located. A single family residence or duplex shall not be required to connect to the public sewer if the horizontal distance from the available sewer to the nearest point of the residence is equal to or greater than 200 linear feet. The vertical alignment for hookup to the available sewer shall not be more than twenty (20) feet above the lowest floor level of a single family residence or duplex of more than fifty (50) feet above the lowest floor level of any other structure

- SECTION 13. Connection to an available public sewer is required in the following situations:
 - (1) All new construction.
 - (2) Existing buildings which are remodeled or extended when; an increase in sewage flow is anticipated as a result of the construction, or; whenever improvements to the structure will increase the enclosed floor area by more than 20%.
 - (3) Any building existing at the time a public sewer first becomes available and being served only by seepage pits or privy facilities. Any such buildings must be provided with such installation and connection within six (6) months after the public sewer becomes available.
 - (4) Any building existing at the time a public sewer first becomes available and being served by a septic tank and leaching field, provided however, if the septic tank and leaching field are entirely adequate and without defect

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any such buildings may continue to be served by such existing facilities for a maximum period of five (5) years upon the following conditions:

- (a) No repairs, replacements or additions of or to such facilities will be permitted.
- (b) Whenever any such facility becomes defective or inadequate, connection to the public sewer must be made within thirty (30) days after notice given by the Director, DPW, who may, however, upon application, extend the time to not more than six
 (6) months if he finds that the defect or inadequacy is not hazardous to health.
- (c) Whenever a public sewer becomes available, the Chief Engineer, as soon as possible, shall make or cause to be made an inspection of all septic tank facilities on lands abutting the road, street, or other way or easement in which such public sewer is located and shall promptly notify the persons concerned of his determination as to which such facilities may continue to be used pursuant to the provisions of this Section 13.
- (d) Not with standing any other provision of this Section 13 in situations within the areas desired for groundwater protection and where the density of septic tank facilities exceeds four (4) septic tank

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and leaching systems per acre and public sewer is available, in order to protect the groundwater, the Director, DPW may in his discretion require building owners to connect to public sewer within six (6) months of being served proper notice.

- SECTION 14. Prior to connection to a public sewer a construction permit must be obtained. This permit must have both DEQ and DPW approval. The applicant must provide information concerning lot location, proposed sewer connection point and method of connection. If there is a question concerning ability to connect by gravity a profile of the proposed sewer is required.
- SECTION 15. During construction of the public sewage collection system, stubouts, or wye branches, shall have been installed so as to serve most existing buildings. Whenever possible, these outlets shall be used when connecting to the public sewer. The location of the sewer line and stubout shall be included in the civil engineering drawings for the project. Where no outlet has been provided, or where the outlet location is such that it cannot be utilized, permission shall be obtained from the DPW to cut the line and make the necessary connection. All connections to the public sewer must be inspected by the DPW or its delegated representative, prior to backfilling, to assure compliance with these regulations.

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SECTION 16. When it becomes necessary to cut the sewer line to make a connection, one of the following procedures shall be used:

- A short section of the sewer line shall be removed and a wye branch fitting installed with a repair coupling and rubber gasket couplings or clamps.
- (2) A hole, equal in size to the service line, shall be carefully cut in the upper portion of the sewer line and the service line installed therein. Some means, such as a tapping saddle or other approved device, shall be used to prevent the service line extending into the main sewer where it will interfere with flow or prevent the use of sewer cleaning tools. After installation of the service connection, the entire joint shall be encased with a minimum of six (6) inches thickness of concrete for a distance of twelve (12) inches on each side of the connection. Concrete encasement shall extend completely around the main sewer line.
- SECTION 17. Service connections shall not be made to manholes unless no other method of connection is feasible. Prior to making connection of a service line to a sewer manhole, construction drawings shall be submitted and the approval of the DPW must be obtained.

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ARTICLE III

DISCHARGE OF LIQUID WASTES

INTO PUBLIC SEWERS

SECTION 1. No persons shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the Chief Engineer that such wastes can harm either the sewer, sewage treatment process, or equipment, would increase the operating costs substantially, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the Chief Engineer will give consideration to such factors as the quantities of subject wastes in relation to flow and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:

- Any stormwater, surface water, ground water, roof runoff, subsurface drainage.
- Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.

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- 3. Any waters or waste containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance or create any hazard in the receiving waters of the sewage treatment plant. This includes, but is not limited to, phenols, cyanides, iron, chromium, copper, zinc, heavy metals, and any objectionable or toxic substances.
- 4. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, improperly ground and unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, grease, etc. either whole or ground by garbage grinders.

5. Any noxious or malodorous gas, such as sulfides chlorine, which singly, or in combination with other substances, might create a nuisance or hazard to life or interfere with the operation of the sanitary sewer in such concentrations exceeding the limits which may be established by the Chief, DEQ as necessary, after

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treatment of the composite sewage, to meet the requirements of the Environmental Protection Agency for such discharge to the receiving waters.

- 6. Any radioactive wastes or isotopes of such half life or concentration as may exceed limits established by the Chief, DEQ in compliance with EPA regulations.
- 7. Any liquid or vapor having a temperature higher than 140° F.
- 8. Any liquid or waste containing more than 100 parts per million by weight, of fat, oil or grease or containing any fat, oil, grease or other substances that will become solidified or visibly viscous at temperatures between 50° and 140° F.
- Any liquid or waste containing emulsified fat, oil or grease exceeding 50 parts per million of ether-soluble matter.
- 10. Any waters or wastes having an pH lower than 5.5 or having any other corrosive properties capable of causing damage or hazards to structures, equipment, and personnel in sewage works.
- 11. Any wastes or waters having a pH in excess of 9.5.
- 12. Any liquid or wastes containing more than 350 parts per million, by weight, of suspended solids and/or more than 350 parts per million, by weight, of Biochemical Oxygen Demand.

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- 13. Materials or equipment which exert or cause:
 - a. Excessive discoloration
 - b. Unusual volume of flow or concentration of wastes constituting "slugs."
- 14. Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or any amenable to treatment only to such degree that the sewage treatment effluent cannot meet the requirements of the Saipan Sewer Division for discharge to the receiving waters.
- SECTION 2. If any waters or wastes are discharged, or any proposed to be discharged to the public sewers, which contain the substances or possess the characteristics enumerated in Section 1, and which in the judgement of the DPW, may have a deleterious effect upon the sewage works, processes, equipment, costs, or on receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the DPW may:
 - 1. Reject the wastes,
 - Require pretreatment to an acceptable condition for discharge to the public sewers,
 - Require control over the quantities and rates of discharge, and/or
 - Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges.

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If the DPW permits the pretreatment or equalization of waste flows, the costs of the design and installation of the plants and equipment shall be borne by the owner and subject to the review and approval of the DPW, and subject to the requirements of all applicable codes, ordinances, and laws. If wastes are discharged to the public sewers by pumping, the maximum capacity of the pumping station shall be not greater than five (5) times the average twenty four (24) hour flow during normal operation. SECTION 3. Grease, oil, and sand interceptors shall be provided for all

food preparation businesses when, in the opinion of the DPW, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the DPW, and shall be located as to be readily and easily accessible for cleaning and inspection.

- SECTION 4. Where preliminary treatment of flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continously in satisfactory and effective operation by the owner at his expense.
- SECTION 5. The owner of property disposing of industrial wastes must have an industrial wastewater discharge permit from the CNMI, Division of Environmental Quality. When required by the DPW, the owner of any property serviced by a building sewer carrying industrial wastes shall install a

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suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the DPW. The manhole shall be maintained by the owner so as to be safe and accessible at all times.

SECTION 6. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in these regulations shall be determined in accordance with the latest edition of "Standard Methods for Examination of Water and Wastewater", and shall be determined at the control manhole. Sampling shall be carried out by the Division of Environmental Quality, by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb and property. Sampling for the benefit or information of the owner shall be paid by the owner to DEQ according to DEQ's fee schedule for the services rendered. (The particular analyses involved will determine whether a twenty-four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or sample should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from 24 hour composites of all outfalls whereas pH's are determined from periodic grab samples.

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SECTION 7.

No statement contained in this article shall be construed as preventing any special agreement or arrangement between the DPW and any industrial concern whereby and industrial waste of unusual strength or character may be accepted by the DPW for treatment, subject to payment therefore, by the industrial concern.

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ARTICLE IV

SEWER STANDARDS

SEWERS:

SECTION 1. Location

- (1) Sewers constructed along major highways shall be constructed along the street shoulders, in the public right-of-way so far as practicable. Where the choice exists they shall be located on the opposite side from the water lines.
- (2) The practice of constructing sewers along rear lot lines in narrow utility easements is not encouraged because of future restrictions on access for inspection, maintenance, and repair.
- (3) Sewers shall be constructed only with straight alignment and grade unless otherwise approved in writing by the Chief Engineer. In no case will the use of curved sewers be considered for approval unless the minimum requirements set forth in Section 11 are satisfied.
- (4) Sewers constructed in easements shall be provided with continuous all weather access roads unless otherwise approved.
- (5) Where sewers cross storm drains, waterlines, telephone and electric ducts, or similar installations, a minimum of 6 inches of clearance shall be provided between the sewer and other installation. Further requirements for water crossings are set forth under Section 7.

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- (6) Where sewers are laid parallel to and above or less than 12 inches below water mains a minimum horizontal separation of not less than 10 feet shall be maintained unless otherwise approved by the Director, DPW.
- (7) Depressed sewers or inverted siphons shall be prohibited unless in the judgement of the Chief Engineer no feasible alternative exists.

SECTION 2. Cover

- 1. Invert grades of sewers shall
 - a. Provide for a minimum cover of 3 feet over the top of the pipe;
 - b. Provide adequate protection for properties on either side of the street; and
 - c. Provide adequate depth for future extension maintaining compliance with 1 and 2 above.
- 2. Warning tape shall be installed at least 18 inches directly above all sewers. The tape shall be plastic embossed sewer tape stating "Caution-Sewer line Below", made by a company regularly engaged in making such warning tape.

SECTION 3. Size

- Sewers shall be sized for the ultimate development of the project area. A design life of 20 years shall be standard unless otherwise approved.
- Per capita allowance for average sewage flows for sewer design purposes shall be not less than 80 gallons per

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capita per day. In addition appropriate allowances shall be made for commercial and industrial flows based upon existing and proposed land use (not less than 4000 gallons per acre per day, average). In low coastal and wet areas an additional allowance of 2000 gallons per acre per day, peak, shall be made for unavoidable infiltration.

3. Sewers greater than minimum size shall be designed at flowing full for peak rates of flow. For populations of 1000 persons or less the design peak flow shall be not less than 2.5 times the average sewage flow computed above plus the peak infiltration flow. As the design population increases downstream sections of sewer may be designed using reduced peaking factors in accordance with the following table:

Upstream Design Population	Peaking Factor
1,000 or less	2.5
2,000	2.5
3,000	2.4
4,000	2.3
5,000	2.2
10,000	2.0
25,000	1.5

4. A minimum sewer size of 6 inches diameter may be use in the upper reaches of lateral sewers providing the following conditions are met:

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- a. The line will not be extended in the future.
- b. The use of 6 inch pipe is limited to connections between the upper 3 manholes, that is the connections between the third and fourth and succeeding manholes preceeding downstream will have a minimum size of 8 inches diameter.
- 5. Sewers, 18 inches diameter and smaller, shall be designed using a Manning's roughness factor supplied by the manufacturer of the pipe.

SECTION 4. Slope

 Minimum sewer invert slopes used for design shall be determined by proper engineering design and checked by the Chief Engineer.

SECTION 5. Type, Class

- Unless otherwise specified or approved by the Chief Engineer, sewers 18 inches diameter and smaller shall be PVC pipe. Materials approved shall conform to proper ASTM specification and as approved by Chief Engineer.
- Sewers of larger diameter shall be as approved by the Chief Engineer.
- SECTION 6. Concrete Cradle or Encasement
 - When required, concrete cradles or encasements shall be provided to strengthen pipe beddings and/or reduce probability of pipe failure when drinking water contamination or other serious pollution is possible.

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- Minimum concrete cover on pipe shall be not less than 6 inches. Concrete shall be 2500 psi minimum strength.
- Concrete cradles or encasements shall be of an approved design checked by the Chief Engineer.
- SECTION 7. Water Crossings
 - Sewers crossing over water pipes or less than 12 inches below water pipe (clear separation) shall be encased in a manner approved by the Chief Engineer.
 - House connections passing over water mains shall be reviewed and approved by the Chief Engineer.
- SECTION 8. Stream Crossings
 - Sewers crossing under a stream bed constituting a potential hazard to the sewer shall be encased and necessary measures shall be taken to protect the stream embankment at the points of crossing.
 - Sewer pipe designed to remain exposed shall be protected from the elements and sufficiently strong to withstand design loads.
- SECTION 9. Stubs

Stubs, suitably capped or plugged, shall be provided in manholes where future extensions or connections are anticipated.

SECTION 10. Corrosion Protection

All asbestos cement sewers 10 inches diameter and larger shall have an approved epoxy lining, shall be highly resistant to acids, salts and alkali.

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SECTION 11. Curved Sewers

Under most circumstances curved sewers will not be allowed; however, when, in the opinion of the Chief Engineer, it is not feasible to maintain sewers in straight alignment curved sewers may be approved in accordance in current Water Pollution Control Federation, (WPCF) recommendations.

SECTION 12. Location of Cleanouts

Cleanouts may be used in place of manholes for temporary sewers, on house connections for changes in direction, at ends of building sewers, force mains and elsewhere as required by the Chief Engineer.

SECTION 13. Type of Cleanouts

 Unless otherwise approved, cleanouts shall be constructed of cast iron, or PVC pipe with a removable threaded plug conforming to details set forth in these standards.

2. Pipe diameter shall be equal in size to the sewer.

- SECTION 14. Location of House Connections
 - House connections shall be provided in the number and location so as to provide a single service line to each developable lot in a subdivision or recognized village area.
 - Unless otherwise approved or directed, house connections shall be installed at the time of construction of the lateral, branch or trunk sewer.

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- Final locations shall be adjusted in the field as necessary to best serve existing and future houses.
- 4. Ends of all house connections shall have approved plugs until the building sewers are installed and accepted by the Chief Engineer.
- SECTION 15. Cover of House Connections

House connections shall have a minimum cover of 3 feet within street rights of way. Within the boundaries of the owners property it is recommended that a minimum cover of one foot six inches be maintained.

SECTION 16. Size of House Connections

House connections shall be 4 inches minimum diameter pipe.

- SECTION 17. Slope of House Connections
 - House connections shall have a minimum slope to the main sewer of 1/4 inch per foot, except that slope may be reduced to an extreme minimum of 1/8 inch per foot where house elevations necessitate such flatter grades. Slopes greater than the minimums shall be used in so far as practicable.
 - When connected to deep sewers, house connections shall terminate not more than 4 feet below the existing ground surface unless the future building sewer will require a greater depth.

SECTION 18. Type, Class of House Connections

House connections shall be of a material approved by the Chief Engineer. Standard engineering practices shall be

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followed selecting the material of choice for a particular application.

- SECTION 19. Location of Building Sewers
 - Building sewers normally are privately installed and connect the waste plumbing of a building to its respective house connection.
 - Connections shall be inspected and approved by the Chief Engineer before backfilling.
- SECTION 20. Cover of Building Sewers

Unless otherwise approved minimum cover shall be 18 inches on the owners property.

SECTION 21. Size of Building Sewers

Building sewers shall be 6 inches minimum diameter with a maximum diameter to be determined from accepted design guidelines by the Chief Engineer as necessary.

- SECTION 22. Slope of Building Sewers Slopes shall be as specified under Section 17 for house connections.
- SECTION 23. Connections of Building Sewers Connections to house connections or mains shall conform to the detail drawings of these standards.

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ARTICLE V

SEWER SERVICE CHARGES

SECTION 1. All customers who are connected directly or indirectly to the public sewer system as defined in Article 1, Section 1., shall pay a sewer service charge in accordance with the category of their rate schedule as determined by the DPW.

- SECTION 2. Separate sewer service charge schedules have been adopted for "residential" and "non-residential" customers because of differences in strength characteristics and the differences in relationship between water usage and wastewater discharge quantity for each class of customer.
 - 1. "Residential" customers have been defined to include only the following:
 - a. Single family dwellings
 - b. Duplexes
 - c. Apartment buildings
 - 2. "Non-residential" customers have been defined to include all industrial, commercial, agricultural, governmental and miscellaneous services, plus the following which have been specifically excluded from the above definition 1. "Residential" customers: Barracks used for housing laborers Hotels Restaurants with attached living quarters

These structures are used primarily for non-residential purposes, although containing residential dwelling units.

SECTION 3. Rates and Charges

A. Use Char es

- 1. Residential Customers per unit use charges:
 - a. Monthly Service Charge shall be \$5.00 per month by cycle billing for the first 5,000 gallons of metered water consumed.
 - b. Consumption in excess of 5,000 gallons per month shall be charged \$0.50 per each additional 1,000 gallons of metered water consumed.
- 2. Non-residential customers shall be charged \$0.50 per 1,000 gallons of metered water consumed for the first 10,000 gallons of metered water consumed. Consumption in excess of 10,000 gallons per month shall be charged \$0.25 per 1,000 gallons of metered water consumed.
- B. Connection Fees
 - There shall be no connection fee for single family dwelling and duplexes.
 - 2. All other customers shall pay a one time connection fee prior to connecting to a public sewer. The fee will be calculated according to the following rates based on sewer discharge estimates for each customer as determined by the Department of Public Works:

- a. Customers with estimated flows of 5,000 gallons
 per month (gpm) or less \$200.00.
- b. Customers with estimated flows greater than
 5,000 gpm \$.04 per gpm for the first 25,000
 gpm; and \$.06 per gpm greater than 25,000.
- 3. The connection fees set forth in this section shall apply to all connections made after the effective date of these regulations.
- SECTION 4. 1.Dischargers into the public sewer which use in whole or in part private wells or other private water sources will be required to install, at their own expense, water meters approved by the DPW for measuring the supplemental water quantity or, alternatively, they will be required to install, at their own expense and at the appropriation location, a calibrated flume, weir, flow meter or similar device approved by the DPW for measuring wastewater quantity. A flow recording and totalizing register will also be required, and measurements to verify the quantities of waste

flows will be performed on a random basis by the Division.

 Because of landscape irrigation or consumptive usage, some non-residential users may discharge substantially less than 80 percent of their metered water usage to the sanitary sewer system. Those

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users may, upon request to the DPW by permitted to have the amount of water being discharged to the sewer determined by one of the methods listed below. The specific method to be used will be selected by the DPW or based on considerations of cost of installation and anticipated accuracy of the method.

a. Method 1

The user shall install and maintain at the user's expense a calibrated flume, weir, flow meter or similar device approved by the DPW as to type and location to measure the user's wastewater discharge. In the latter case, a flow meter and totalizing register will be required and measurements to verify the quantity of wastewater flow will be performed on a random basis by the DPW. The property owner shall install at his expense a suitable vault for installing the flow meter. The vault shall be located on the user's sewer lateral or building sewer at a location approved by the DPW, and the CNMI shall be granted access rights.

b. Method 2

The user shall install and maintain at the user's expense a water meter for submetering the

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water discharging to the public sewer. The property owner shall at hes expense do any necessary plumbing subject to Department inspection ot separate the types of water use and provide for the meter to be located adjacent to the primary water meter and within the public right-of-way.

c. Method 3

If the DPW determines that it is impractical for a user to employ Method 1 or 2 as a result of physical difficulty or excessive cost, he may permit the user to estimate the amount of wastewater reasonably anticipated to be discharged to the public sewer. The user's estimate may be based upon average historical water use during wet weather periods or upon any other reasonable basis, and may be based upon flow meter tests if practical. The DPW shall review the data submitted by the user and may modify the user's estimate, where appropriate. The decision of the DPW shall be final if Method 3 is utilized. If a user is not satisfied with the determination under Method 3, he shall have the right to require at his expense utilization of Method 1 or 2 for determination of the amount of wastewater discharged to the public sewer.

> Payment shall be made before the discharging occurs in the case of a private citizen or on a monthly basis in the case a business engaged in this service. Payment for discharges shall be made on a monthly basis to the Wastewater Branch account. The Wastewater Branch shall verify the dumping by examination of the customer receipts and periodic spot checking.

SECTION 6. All bills shall be due and payable upon deposit in the United States mail or upon other presentation to the consumer. Payment shall be made to collectors duly authorized by the CNMI. Any bill which is not paid within thirty (30) days after presentation or deposit in the United States mail shall be deemed delinquent and the water service may be discontinued five (5) business days after written notice is given to the consumer.

> A service fee for handling a dishonored check may be made in accordance with fees established by the CNMI.

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ARTICLE VI

ENFORCEMENT AUTHORITY

- SECTION 1. The Director of DPW shall have the power to terminate water service to any customer who is more than 60 days delinquent in making sewer service payments after giving the customer notice and an opportunity for a hearing as follows:
 - Before the Director may terminate water service under this Section, the customer must be served with a written notice in English, Chamorro and Carolinian that:
 - (a) they are at least 60 days delinquent in their sewer payments and:
 - (b) if payment is not made, the customers water service may be disconnected and;
 - (c) within 7 days of receipt of the notice the customer may request a hearing to be held on the water service termination.
 - 2. If a customer requests a hearing DPW shall convene a public hearing within 30 days of receiving the request. Any hearing shall be conducted in a manner consistent with the provisions of Title 1 Commonwealth Code §§ 9109 and 9110 as amended.
 - 3. No water service may be terminated under this section until after 15 days from the date of the notice specified in section 1 (a) of this article VI if no

request for a hearing is made, or until after a final written order is issued following a public hearing.

- 4. The date at service as used in this Article shall be the date the notice is personally delivered to the customers or 10 days after the notice is posted conspicuously on the premises receiving the water and sewer services and also mailed to the customer.
- Section 2. The Director of Public Works shall have the power to issue any necessary order to enforce these regulations and any terms of a permit granted pursuant to these regulations.
- Section 3. Any person who fails to comply with any permission of these regulations or any order issued render these regulations, also notice of the failure and the expiration of a reasonable period for corrective action shall be liable for a civil penalty of not more than \$1,000 for each day of the continuance of such failure.
- Section 4. No penalty shall be assessed pursuant to Section 3 of this Article VI until the person charged with a violation has been given an opportunity for a hearing before the Director or a person designated by the Director for that purpose.

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ARTICLE VII

CONFLICT WITH SEPTIC TANK REGULATIONS

SECTION I. If a conflict arises between the application of these regulations and the Individual wastewater Disposal System Rules and Regulations promulgated by the Department of Public Health and Environmental Services, the Chief Engineer shall meet with the Chief of the Division of Environmental Quality ("DEQ") to resolve the conflict. If the Chief of DEQ determines this the public health and safety may be endangered, the decision of the Chief of DEQ as to the application of the regulations shall prevail.

SECTION 2. SEVERABILITY

Should any section, paragraph, sentence, clause, phrase, or application of these rules and regulations be declared unconstitutional or invalid for any reason by competent authority, the remainder or any other application of these rules and regulations shall not be affected in any way thereby.

SECTION 3. EFFECTIVE DATE

The effective date shall be immediately upon adoption of these regulations by the Department of Public Works.

SECTION 4. CERTIFICATION

The undersigned hereby certifies that these rules and regulations have been officially promulgated and adopted as final regulations pursuant to the authority contained in the Commonwealth of the Northern Mariana Islands Public Law 1-8. Submitted by:

JOHN C. PANGELINAN DIRECTOR OF PUBLIC WORKS

Concurred by: 9 1986 MAY PEDRO P, TENORIO GOVERNON OF THE CNMI

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commonwealth of the northern mariana islands

Office of the Mayor

MUNICIPALITY OF TINIAN AND AGUIGUAN SAN JOSE VILLAGE TINIAN, CM 96952

Phone: 4339-250 257 231

IGNACIO (IKE) K. QUICHOCHO Mayor

PUBLIC NOTICE

PROPOSED REGULATIONS FOR TINIAN AGRICULTURE AND MARINE REVOLVING FUND

The Mayor of Tinian is proposing a regulation to be promulgated for the expenditure of the revolving fund made available by Section 2(a) of Public Law 5-4.

The purpose of this regulation is to conform to Section 2(b) of Public Law as the Mayor of Tinian finds there is a need to establish a standard criteria to expend, obligate, encounter, or otherwise commit funds made available by Section 2(a) of Public Law 5-4.

The proposed regulations is composed of the following subheadings:

- I. Authority
- II. Purpose of Fund
- III. Administration
 - IV. Income
- V. Accounting of Fund
- VI. Effective Date

Any individual on the island of Tinian which under the proposed regulation may benefit is invited to comment for or against the proposed regulation. Comments may be sent to the Mayor of Tinian within thirty (30) days upon the date of publication of this notice in the Commonwealth Register.

Copies of the proposed regulations can be obtained and comments sent to:

Mayor of Tinian Commonwealth of the Northern Mariana Islands Tinian, CM 96952

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ICNACIO K. QUICHOCHO Mayor of Tinian

-14-86 Date

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NOTICIAN PUBLICO

MAPROPOPONI NA REGULASION POT I FONDON SALAPE PARA AGRICULTURA YAN TASE GIYA TINIAN

I Mayot Tinian hapropoponi muna' guaha regulasion pot para ma-urana i fondon salape ni ha-probininiyi i Seksiona 2(a) gi Lai Publico 5-4.

I propositon este na regulasion pot para u konfotma sigun i Seksiona 2(b) gi Lai Publico 5-4 na i Mayot Tinian ha soda' na necessario ma establesi fotmat na manera ni para ma-usana i fondo ni ha-probininiy i Seksiona 2(a) gi Lai Publico 5-4.

I mapropoponi na regulasion ha-kukubri i man-sigiente siha na asunto:

- I. Aturidat
- II. Propositon i Fondo
- III. Ma-administran i Fondo
- IV. Ginanan Salape
- V. Matufung i Fondo
- VI. Fecha ni Mana'efektibo

Todo indibiyuat giya Tinian gi papa este na regulasion ni sina bumenifisio na u ma-tugi'e i Mayot kao fabot pat kontra i ma-propoponi na regulasion. Todo tinigi debe de u mana'hanau guato gi Mayot Tinian gi halom trenta (3) dias desde i fecha anai mapublika este na noticia gi Commonwealth Register.

Kopian i ma-propoponi na regulasion sina machuli ginen yan lokkue' mana'hanau i inepi guato gi:

Mayot Tinian Commonwealth of the Northern Mariana Islands Tinian, CM 96952

JI HOCHO Mayot Tin an

5 13/86 Fec'a

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commonwealth of the northern mariana islands

Office of the Mayor

MUNICIPALITY OF TINIAN AND AGUIGUAN SAN JOSE VILLAGE TINIAN, CM 96952

Phone: 4339-250 257 231

IGNACIO (IKE) K. QUICHOCHO Mayor

REGULATIONS FOR TINIAN AGRICULTURE AND MARINE REVOLVING FUND

I. Authority

Public Law 5-4, Section 2(b), provides that the Mayor of Tinian shall promulgate rules and regulations as he deems necessary for the expenditure of the funds established by Section 2(a).

The Mayor or his designee pursuant to Section 2(a) of Public Law 5-4 is authorized to expend, obligate, encumber or otherwise commit the funds after regulations are published providing for conformity to Section 2(b) of said public law.

II. Purpose of Fund

As provided in Section 2(a) of Public Law 5-4, the Mayor or his designee is authorized to expend the fund and be utilized to purchase and sell agricultural equipment, seeds, fertilizers, insecticides, agricultural produce, local catch fish, fishing equipment and accessories, and for other retail purposes.

III. Administration

The Mayor or his designee is hereby designated, pursuant to Section 2(a) of Public Law 5-4, to administer the affairs of the fund. Adequate records of the fund must be kept and maintained to reflect proper accountability. The Mayor or his designee may delegate the responsibility of the administrative activities relative to the purpose of the fund to the management of the Tinian Farmers and Fishermen Market.

A separate checking account shall be established under the name of the fund requiring two signatories, one with and must be by the Mayor or his designee and the other with the manager of the Tinian Farmers and Fishermen Market or his designee.

The Mayor or his designee shall require the manager of the Tinian Farmers and Fishermen Market to prepare and submit monthly "financial position" of the fund.

The Mayor shall submit annual report pertaining to the affairs of the fund within thirty (30) days after the end of the fiscal year to the Governor and the Commonwealth Legislature.

IV. Income

All revenue that may be derived from the utilization of the fund shall revert to fund.

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V. Accounting of Fund

The Mayor or his designee shall cause to be kept daily cash receipts, disbursements register, monthly bank statements, financial statements, and other records relative to the fund. Such responsibilities may be delegated to the management of Tinian Farmers and Fishermen Market.

The fund shall be subject to an annual review and shall include but not limited to: 1) management of fund; and 2) accountability of fund.

VI. Effective Date

This regulation shall be effectived upon publication in the Commonwealth Register and the approval of the Governor.

APPROVED BY:

PEDRO P. TENORIO Governor

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VSNACIO K. QUICHOCHO Mayor of Tinian

Date /

<u>4-14-86</u> Date



commonwealth of the northern mariana islands

Office of the Mayor

MUNICIPALITY OF TINIAN AND AGUIGUAN SAN JOSE VILLAGE TINIAN, CM 96952

Phone: 4339-250 257 231

IGNACIO (IKE) K. QUICHOCHO Mayor

PUBLIC NOTICE

EMERGENCY REGULATIONS FOR TINIAN AGRICULTURE AND MARINE REVOLVING FUND

The Mayor of Tinian in accordance with Section 2(b) of Public Law 5-4, hereby finds that there is a need to immediately promulgate regulations for the expenditure of funds provided in Section 2(a) of Public Law 5-4 and that it is in the public interest in Tinian that these regulations take effect prior to public notice until the procedures mandated by 1 CMC Div. 9 for promulgation of permanent regulations may be complied with. The regulations as set forth hereinafter are to be effective upon notice to the Registrar of Corporations and to remain in effect for 120 days after promulgation, unless repealed or modified at an earlier time as provided by the laws of the Commonwealth.

Certified By: GNACIO K. QUICHOCHO Mayor of Tinian Concurred By: PEDRO -- . TENORIO Governor

Date of Filing with Registrar

4-11-86 Date

Registrar of Corporations

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IGNACIO (IKE) K. QUICHOCHO

Mayor

commonwealth of the northern mariana islands

Office of the Mayor

MUNICIPALITY OF TINIAN AND AGUIGUAN SAN JOSE VILLAGE TINIAN, CM 96952

Phone: 4339-250 257 231

NOTICIAN PUBLICO

INALULA NA REGULASION POT I FONDON SALAPE PARA AGRICULIURA YAN TASE GIYA TINIAN

I Mayot Tinian sigun i seksiona 2(b) gi Lai Publico 5-4, estaguiya hasoda na necessario na immediatmente debe de una'guaha regulasion pot i para mausana ayo na fondon salape ni haprobiniyi i seksiona 2(a) gi Lai Publico 5-4, yan pot interes i publico giya Tinian muna' este na regulasion debe de u efektibo antes de u guaha notisian publico asta ke i manera ni ginagagao gi 1 CMC Div. 9 pot mafa'tinas petmanente na regulasion ufan makumpli siha. I regulasion ni ma-establesi guine halom u efektibo gi hilo i noticia para guato gi Registrar of Corporations ya u makonsigi esta 120 dias na tiempo asta ke maadopta , solo ma diroga osino matulaika mas taftaf na tiempo komo ginagagao gi lai.

Senettifika as: XOP IGNACIO K. **ØUICHOCHO** Mayot Tinian

PEDRO P **ATENORIO** Gobietno

Rehistradot Compania

Kinenfotma as:

Fecha Anai Ma-presenta gi Rehistradot

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