NS2270

Our reference: 500 348

Environmental Protection Act 1994

LICENCE No. 5010000256

Section 45(1)

Under the provisions of the *Environmental Protection Act 1994* this environmental authority is issued:

FAXED
09 JUN 1998
#Pages TN 1998 Rapp

To: Aurukun Shire Council
Address: Administration and Council Chambers
39 Kang Kang Road
AURUKUN QLD 4871

in respect of carrying out the environmentally relevant activity/ies at the following place(s):

DESPATCHED
09 JUN 1998
RL 10080138
Rapp

Aurukun Sewage Treatment Plant
Lease (Aboriginal Lands) No.1, Map SC211
Parish of Rosmead, County of Pera
located at:
Sewage Treatment Plant Road
AURUKUN QLD 4871

– ERA 15(b) Sewage treatment - 100 equivalent persons or more but less than 1500

Aurukun Tip
Lease (Aboriginal Lands) No.1, Map SC211
Parish of Rosmead, County of Pera
located at:
Sewage Treatment Plant Road
AURUKUN QLD 4871

– ERA 75(a)(i) Waste disposal facility for general or limited regulated waste - more than 50 t but not more than 2,000 t per year

This environmental authority is issued subject to the conditions set out in the schedules attached to this environmental authority.

This licence takes effect from 23 June 1998.

DESPATCHED
07 JUL 2005
Reg Mail No: RL35292996

signed .....

Ron Anderson
Regional Manager (Environment), FNR
Delegate of Administering Authority
Environmental Protection Act 1994

date 5 June 1998

This environmental authority consists of the following schedules:

PART 1 - GENERAL CONDITIONS APPLICABLE TO ALL LICENSED PLACES

SCHEDULE 1.A	-	GENERAL CONDITIONS
SCHEDULE 1.B	-	AIR
SCHEDULE 1.C	-	WATER
SCHEDULE 1.D	-	STORMWATER MANAGEMENT
SCHEDULE 1.E	-	LAND APPLICATION
SCHEDULE 1.F	-	NOISE
SCHEDULE 1.G	-	WASTE MANAGEMENT
SCHEDULE 1.H	-	MONITORING AND REPORTING
SCHEDULE 1.I	-	DEFINITIONS
SCHEDULE 1.J	-	SITE PLAN

PART 2 - AURUKUN SEWAGE TREATMENT PLANT

SCHEDULE 2.A	-	GENERAL CONDITIONS
SCHEDULE 2.B	-	AIR
SCHEDULE 2.C	-	WATER
SCHEDULE 2.D	-	STORMWATER MANAGEMENT
SCHEDULE 2.E	-	LAND APPLICATION
SCHEDULE 2.F	-	NOISE
SCHEDULE 2.G	-	WASTE MANAGEMENT
SCHEDULE 2.H	-	MONITORING AND REPORTING
SCHEDULE 2.I	-	DEFINITIONS
SCHEDULE 2.J	-	SITE PLAN

PART 3 - AURUKUN REFUSE TIP

SCHEDULE 3.A	-	GENERAL CONDITIONS
SCHEDULE 3.B	-	AIR
SCHEDULE 3.C	-	WATER
SCHEDULE 3.D	-	STORMWATER MANAGEMENT
SCHEDULE 3.E	-	LAND APPLICATION
SCHEDULE 3.F	-	NOISE
SCHEDULE 3.G	-	WASTE MANAGEMENT
SCHEDULE 3.H	-	MONITORING AND REPORTING
SCHEDULE 3.I	-	DEFINITIONS

PART 1 - CONDITIONS APPLICABLE TO ALL LICENSED PLACES

SCHEDULE 1.A - GENERAL CONDITIONS

Access to Environmental Authority, Integrated Environmental Management System, Site Based Management Plans and Site Development Plans

(1.A1) A copy of this environmental authority and any associated plans must be kept in a location readily accessible to personnel carrying out the environmentally relevant activity.

Records

(1.A2) Any record or document required to be kept by a condition of this environmental authority must be kept at the council offices for a period of at least five (5) years and be available for examination by an authorised person. For daily and weekly records, the record retention requirements of this condition will be satisfied if any daily and weekly records are kept for a period of at least three (3) years and these records are then kept in the form of annual summaries after that period.

Alterations

(1.A3) No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided by this environmental authority.

An example of a substantial increase in the risk of environmental harm is an increase of 10% or more in the quantity of the contaminant to be released into the environment.

Monitoring and Measurements

(1.A4) All determinations of the quality of contaminants released to the environment and all measurement and reporting of noise levels that are required by this environmental authority must be undertaken by a person or body possessing appropriate experience and qualifications to perform the required determinations and the required measurements.

Calibration

(1.A5) All instruments and devices used for the measurement or monitoring of any parameter under any condition of this environmental authority must be calibrated, and appropriately operated and maintained.

Due Regard for Comment

(1.A6) Where any plan or program is required as a condition of this environmental authority to be submitted to the administering authority for review and comment, the holder of this environmental authority must have due regard to those comments in the finalisation of that plan or program.

Integrated Environmental Management System (IEMS)

(1.A7) The holder of this environmental authority must:

(a) develop and implement an IEMS which provides for the following functions:

(i) the monitoring of releases of contaminants into the environment and an environmental assessment of the releases; and

(ii) staff training and awareness of environmental issues to ensure that, at the minimum:

(a) any person responsible for carrying out any of the environmentally relevant activities is familiar with the conditions of this environmental authority as they relate to the person's responsibilities; and

(b) any person responsible for the operation and maintenance of plant and equipment used in carrying out the environmentally relevant activities is competent to carry out their duties; and

(iii) the conduct of environmental and energy audits; and

(iv) waste prevention, treatment and disposal; and

(v) a program for continuous improvement; and

(vi) reporting arrangements on the effectiveness of the environmental management of the activities; and

(vii) preparation and implementation of Site Based Management Plans for each licensed place covered by this environmental authority; and

(b) lodge with the administering authority on or before 1 August 1998 and at three (3) monthly intervals thereafter until 1 February 1999 a brief report describing the progress in developing and implementing the IEMS; and

(c) on or before 1 May 1999 lodge a detailed description of the IEMS and its documentation with the administering authority for its review and comment; and

(d) have due regard to that comment in the finalisation of the IEMS; and

(e) on or before 1 August 1999 have completed and implemented the IEMS.

Site Based Management Plans

(1.A8) Site Based Management Plans required by this environmental authority must provide for at least the following functions:

(a) routine operating procedures to prevent or minimise environmental harm from the carrying out of the environmentally relevant activity and include procedures for the recovery, storage and proper disposal of any wastes found at the Aurukun Waste Disposal Facility which are not allowed to be disposed of at that site; and

(b) maintenance practices and procedures to ensure that all plant, equipment and reticulation systems used in the carrying out of the environmentally relevant activities are maintained in good working order; and

(c) contingency plans and emergency procedures to deal with foreseeable risks and hazards including inspection procedures and response plans for sewage pump stations in the event of failure of any pumps, motors or the power supply to any pump station; and

(d) recording and handling of environmental complaints; and

(e) preparation and carrying out of monitoring programs to ensure compliance with the conditions of this environmental authority;

(f) a Waste Management Plan (WMP) for the Aurukun sewage treatment plant which details how the holder of this environmental authority will effectively and appropriately manage the amount of waste both processed and produced by the carrying out of the environmentally relevant activity and addresses at least the following:

(i) minimisation of infiltration and other stormwater inflows to the sewage reticulation system;

(ii) a sludge management plan for the storage, treatment, transport and reuse or disposal of any sludge removed from the sewage treatment ponds that minimises the risk of spillage of sludge or any other harmful release of contaminants to the environment; and

(g) monitoring of compliance with any of the requirements of any plans or programs prepared under this environmental authority; and

(h) review and amendment or improvement of operating procedures and plans or programs required under this Site Based Management Plan where deficiencies are revealed by the monitoring program required in section (g) of this condition; and

(i) any other specific requirements of the other parts of this environmental authority.

END OF CONDITIONS FOR SCHEDULE 1.A

SCHEDULE 1.B - AIR

(1.B1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 1.B

SCHEDULE 1.C - WATER

(1.C1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 1.C

SCHEDULE 1.D - STORMWATER MANAGEMENT

(1.D1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 1.D

SCHEDULE 1.E - LAND APPLICATION

(1.E1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 1.E

SCHEDULE 1.F - NOISE

Emission of Noise

(1.F1) In the event of a complaint about unreasonable noise generated on the licensed place, that the administering authority considers to be neither frivolous or vexatious, then the holder of this environmental authority must take action to ensure that the noise is no longer an unreasonable noise.

END OF CONDITIONS FOR SCHEDULE 1.F

SCHEDULE 1.G - WASTE MANAGEMENT

Off Site Movement of Regulated Wastes

(1.G1) Where regulated waste is removed from any licensed place (other than by a release as permitted under another schedule of this environmental authority), the holder of this environmental authority must ensure that records are kept of the following:

(a) the date, licensed place, quantity and type of waste removed; and

(b) name of the waste transporter that removed the waste; and

(c) the intended treatment/disposal destination of the waste.

Note: Records of documents maintained in compliance with a waste tracking system established under the *Environmental Protection Act 1994* or any other law for regulated waste will be deemed to satisfy this condition of this environmental authority.

END OF CONDITIONS FOR SCHEDULE 1.G

SCHEDULE 1.H - MONITORING AND REPORTING

Sampling and Analysis of Waters

(1.H1) All determinations of the quality of leachate, contaminants released to waters or land must be made in accordance with methods prescribed in the Department of Environment and Heritage Water Quality Sampling Manual, 2nd Edition, February 1995, or more recent additions or supplements to that document as such become available.

Recording of Monitoring Program Results

(1.H2) The holder of this environmental authority must keep a written record of the results of all monitoring programs required under this environmental authority. This record must:

(a) record the results of all analyses, measurements and observations;

(b) record the date and time of sampling; and

(c) have all records of analyses, measurements and observations signed by a responsible officer.

Annual Monitoring Report

(1.H3) The holder of this environmental authority must submit a report to the administering authority with the annual return which shall include but not be limited to:

(a) a summary of the previous twelve (12) month's monitoring results obtained under any monitoring program(s) required under this environmental authority; and

(b) for the sewage treatment plant:

(i) the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; and

(ii) the progressive total number of connections.

Exception Reporting

(1.H4) The holder of this environmental authority must, unless a program notice in accordance with Section 101 of the Act is submitted, notify the administering authority in writing of any monitoring result which indicates an exceedance of any environmental authority limit within twenty-eight (28) days of completion of analysis.

(1.H5) The written notification required by condition number (1.H4) above must include:

(a) the full analysis results; and

(b) details of investigation or corrective actions taken; and

(c) results of any subsequent analysis carried out to verify the success of any corrective actions taken.

(1.H6) If a program notice has been submitted under Section 101 of the Act, condition numbers (1.H4) and (1.H5) will have been complied with if the required information is submitted by the date specified in a Section 103 notice requiring submission of a draft Environmental Management Program.

END OF CONDITIONS FOR SCHEDULE 1.H

SCHEDULE 1.I - DEFINITIONS

For the purposes of this environmental authority the following definitions apply:

(1.I1) "administering authority" means the Department of Environment or its successor.

(1.I2) "total nitrogen" means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.

(1.I3) "mg/l" means milligrams per litre.

(1.I4) "annual average" is the arithmetic average calculated using twelve (12) months consecutive results for the characteristic.

(1.I5) "quarterly" means in the first week of each of March, June, September and December.

(1.I6) "grab" sample means one sample collected at any point in time.

(1.I7) "median" means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

(1.I8) "maximum" means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.

(1.I9) "minimum" means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.

(1.I10) "range" means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.

(1.I11) "aquifer" means a subsurface zone or formation of rock which contains exploitable resources of groundwater.

(1.I12) "permeability" means a measure of the rate at which a fluid will pass through a medium. The coefficient of permeability of a given fluid is an expression of the rate of flow through unit area and thickness under unit differential pressure at a given temperature. Synonymous with hydraulic conductivity when the fluid is water.

(1.I13) "leachate" means contaminated water which has been generated in or percolated through or drained from wastes.

(1.I14) "compaction" means increasing the density of solid waste in landfills by the repeated passage of heavy machinery over its surface.

(1.I15) "cover" means material used to cover wastes deposited in landfills or sanitary depots.

(1.I16) "leachate recirculation" means the practice of returning leachate to the upper layers of a landfill, from which it has been abstracted, usually by direct spraying or pump well injection.

(1.I17) "capping" means the covering of a landfill or sanitary depot trench with impervious material to inhibit penetration by liquids.

(1.I18) "future waste disposal area" means any waste disposal area constructed after this environmental authority takes effect.

(1.I19) "waste disposal activities" means all activities relating to waste disposal and includes the shredding of waste (where applicable), stockpiling of cover material, temporary waste storage, leachate collection and disposal, litter control and cell, trench or disposal area construction.

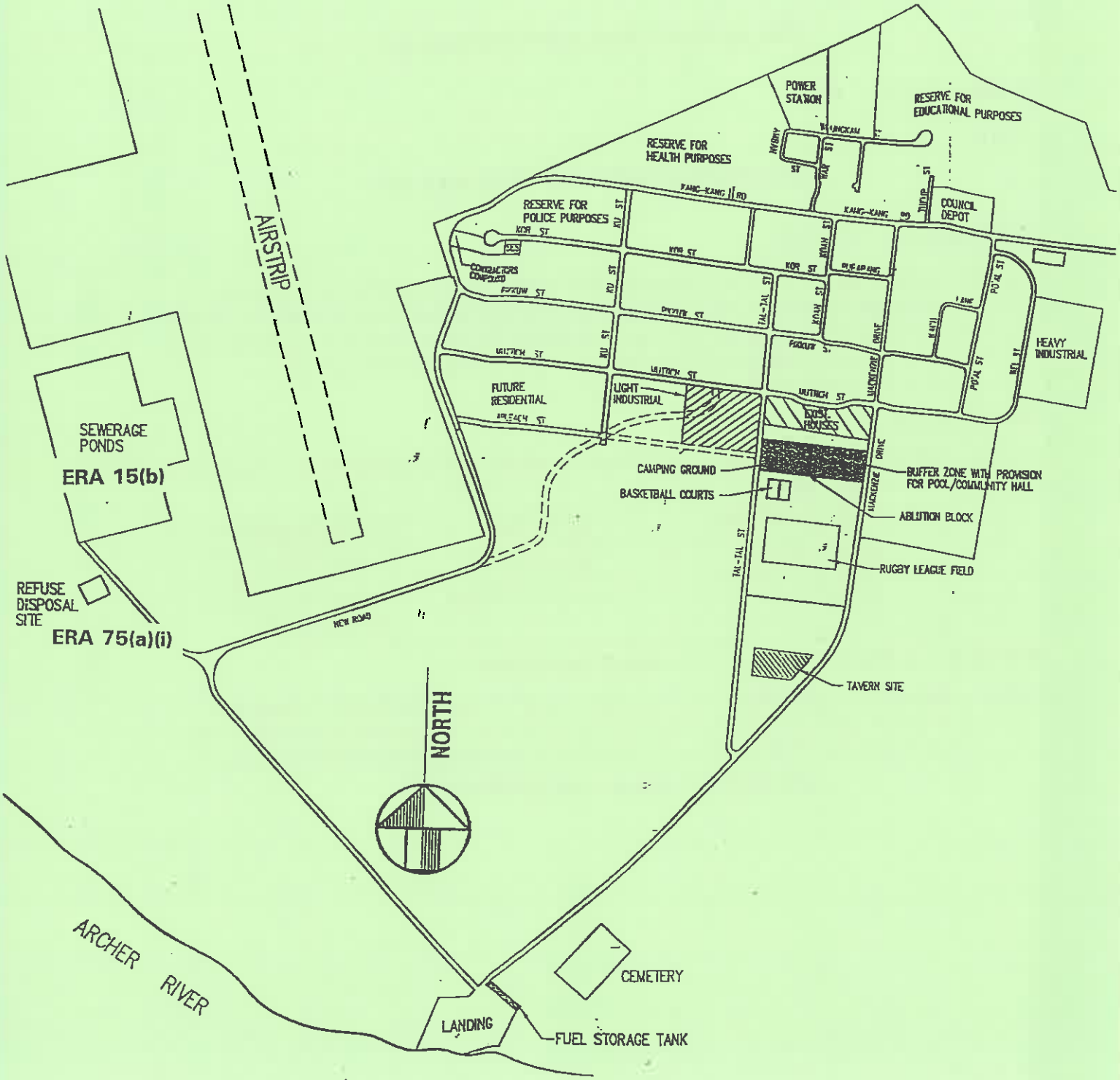
(1.I20) "licensed places" means all the licensed places listed individually in the other parts of this environmental authority.

(1.I21) "the holder of this environmental authority" means Aurukun Shire Council.

END OF CONDITIONS FOR SCHEDULE 1.I

SCHEDULE 1.J - SITE PLAN

(1.J1) Location of Licensed Places



END OF CONDITIONS FOR SCHEDULE 1.J

PART 2 - AURUKUN SEWAGE TREATMENT PLANT

SCHEDULE 2.A - GENERAL CONDITIONS

(2.A1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 2.A

SCHEDULE 2.B - AIR

(2.B1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 2.B

SCHEDULE 2.C - WATER

(2.C1) Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than runoff from the effluent discharge area and overflows from sewage pump stations in accordance with the requirements of this environmental authority.

Pump Stations

(2.C2) The only overflow points permitted to release contaminants to any waters are those listed below:

OVERFLOW POINTS	LOCATION	DISCHARGE TO
Pump Station 1	Pikkuw Street	Pump Station 2
Pump Station 2	Wuungkam Street	Wetlands adjacent to sportsfield

Sewage Pump Station Alarms and Standby Pump Systems

(2.C3) Sewage pump stations whose failure would or would be likely to result in a direct or indirect release of contaminants to waters must be fitted with stand-by pumps and high level alarms to warn of imminent pump station overflow.

END OF CONDITIONS FOR SCHEDULE 2.C

SCHEDULE 2.D - STORMWATER MANAGEMENT

(2.D1) The licensed place must be operated in such a way that contamination of stormwater is avoided or minimised by:

(a) diversion of upstream runoff away from areas containing wastes or contaminants including the sewage treatment lagoons; and

(b) maintenance of any diversion drains around treatment lagoons to minimise any undermining or erosion of embankments; and

(c) minimisation of the size of contaminated areas; and

(d) if soil is to be exposed or disturbed as a result of any works associated with the licensed place:

(i) minimisation of the amount of soil to be exposed or disturbed by staging works; and

(ii) revegetation or stabilisation of exposed or disturbed areas; and

(iii) installation of sediment control measures such as silt fences and settling basins; and

(iv) diversion of upstream runoff from exposed or disturbed areas.

END OF CONDITIONS FOR SCHEDULE 2.D

SCHEDULE 2.E - LAND APPLICATION

Discharge of Treated Sewage Effluent to Land

(2.E1) The holder of this environmental authority must not discharge any treated sewage effluent to land under their control unless the discharge of treated sewage effluent to that area of land is permitted under this environmental authority.

Contaminant Release Location

(2.E2) Treated effluent from the sewage treatment plant may only be discharged to land by flood irrigation to the riverine plains of the Archer River to the west of the plant.

Control of Release of Contaminants to Land

(2.E3) The flood irrigation of treated sewage effluent to land under this environmental authority must be carried out in a manner so as to ensure that:

(a) vegetation is not damaged; and

(b) soil erosion and soil structure damage is minimised; and

(c) the effluent does not cut a channel through the irrigation area.

Sampling Point

(2.E4) The holder of this environmental authority must provide and maintain a sampling point for the treated sewage effluent at the point of discharge from the sewage treatment plant to the flood irrigation area. This sampling point must be maintained so as to be readily accessible to authorised officers at any reasonable time.

Quality of Contaminants Released to Land

(2.E5) The release of contaminants to land must comply with the quality characteristics specified in Schedule 2.E - Table 1.

Schedule 2.E - Table 1

QUALITY CHARACTERISTIC	RELEASE LIMIT(S)	LIMIT TYPE
5-Day Biochemical Oxygen Demand (mg/l)	20 60	annual average maximum
Suspended Solids (mg/l)	60 180	annual average maximum
pH (pH units)	6.0 to 8.5	range
Specific Conductance (µS/cm)	1000	maximum

Effluent Storage

(2.E6) The sewage treatment plant must be operated in such a manner that, when the irrigation area is flooded and effluent disposal cannot be carried out in accordance with the requirements of this schedule, there is sufficient excess capacity in the sewage treatment lagoons for the storage of effluent.

END OF CONDITIONS FOR SCHEDULE 2.E

SCHEDULE 2.F - NOISE

(2.F1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 2.F

SCHEDULE 2.G - WASTE MANAGEMENT

Acceptance of Regulated Wastes

(2.G1) The holder of this environmental authority may only accept regulated waste into the sewerage system serving the licensed place when such wastes are commingled with normal domestic sewage.

(2.G2) Records of any trade waste agreements for discharge of wastes to sewers must be made available for inspection on request.

END OF CONDITIONS FOR SCHEDULE 2.G

SCHEDULE 2.H - MONITORING AND REPORTING

Monitoring of Contaminant Releases to Land

(2.H1) The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released to land for the quality characteristics, and at the frequency specified in Schedule 2.H - Table 1.

Sampling and Monitoring Point Details

(2.H2) Determinations of the quality of contaminants released to land to check conformity with the release quality characteristics specified in the Land Application Schedule of this environmental authority must be undertaken at the sampling and in situ monitoring point referred to in condition number (2.E4) of this environmental authority.

Schedule 2.H - Table 1

QUALITY CHARACTERISTIC DETERMINATION	FREQUENCY
5-day Biochemical Oxygen Demand	quarterly
Suspended Solids	quarterly
Ph	quarterly
Specific Conductance	quarterly

END OF CONDITIONS FOR SCHEDULE 2.H

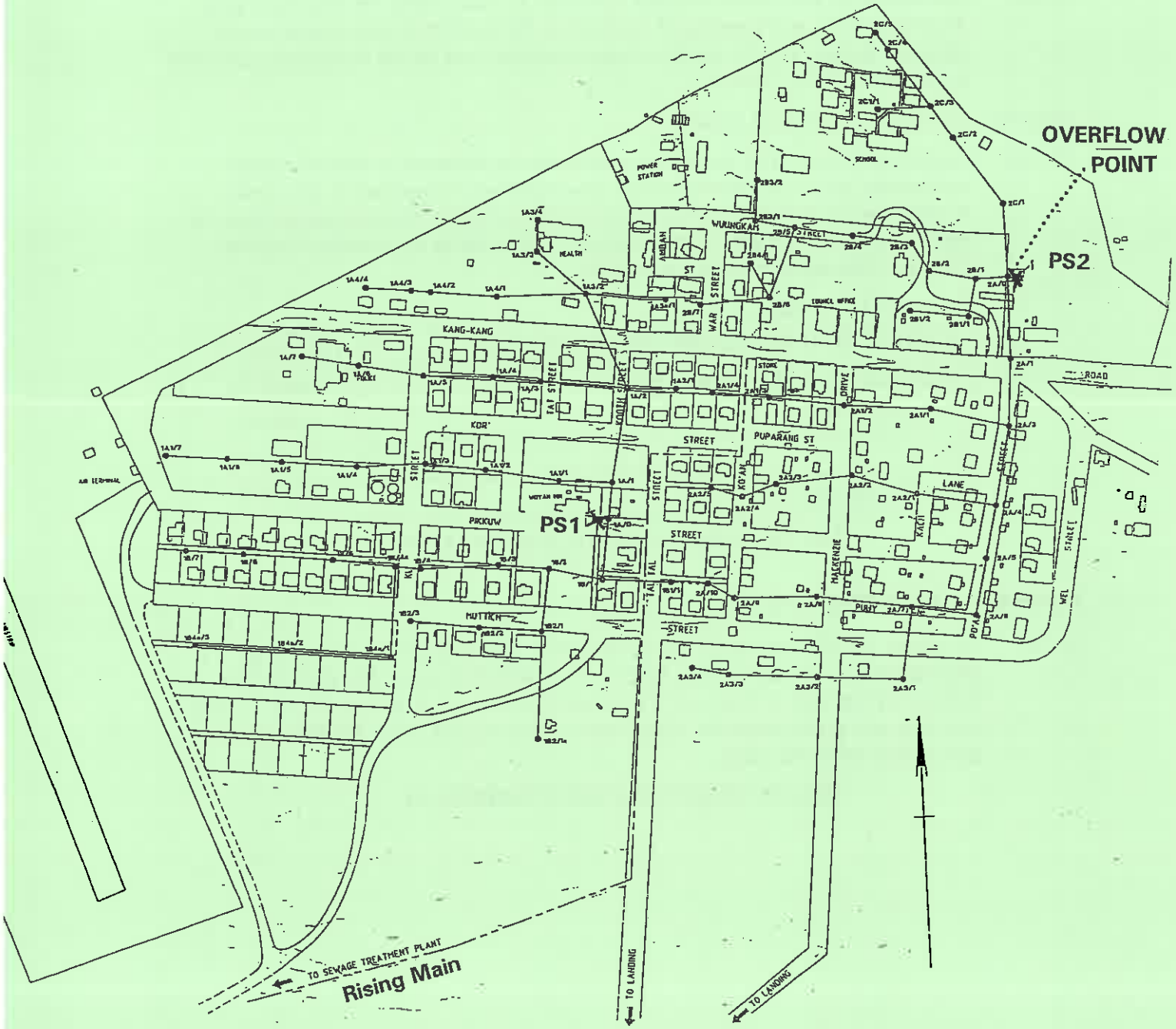
SCHEDULE 2.I - DEFINITIONS

(2.I1) "licensed place" means the Aurukun Sewage Treatment Plant on Lease (Aboriginal Lands) No.1, Map SC211, Parish of Rosmead, County of Pera located at the end of Sewage Treatment Plant Road, Aurukun Qld 4871 and includes any pump stations, reticulation systems and other ancillary works associated with the plant.

END OF CONDITIONS FOR SCHEDULE 2.I

SCHEDULE 2.J - SITE PLAN

(2.J1) **Aurukun Sewage Treatment Plant - Location of Pump Stations and Overflow Point**



END OF CONDITIONS FOR SCHEDULE 2.J

PART 3 - AURUKUN REFUSE TIP

SCHEDULE 3.A - GENERAL CONDITIONS

Site Development Plan

(3.A1) The holder of this environmental authority must prepare and submit to the administering authority Site Development Plans for the Aurukun Waste Disposal Facility to cover each five (5) year period from the date of commencement of site preparation operations or until a Post Closure Care Plan has been implemented for the site. The first Site Development Plan must be submitted prior to commencement of site preparation operations, but no later than 1 March 1999. Each subsequent Site Development Plan must be finalised and submitted at least three (3) months before the expiry of the previous plan. Any Site Development Plan must include details of at least the following:

(a) the location and accurate dimensions of any designated areas to be used for the disposal and storage of waste at the licensed place over the period covered by the Site Development Plan; and

(b) where applicable, accurate location of any leachate storage tank, dam or pond, pump well, collection and disposal system installed on the licensed place; and

(c) location of any stormwater drains or diversion embankments to be constructed to achieve compliance with this environmental authority; and

(d) location of any area to be capped, the proposed final surface levels and contours, and the final drainage system as part of a rehabilitation program for the licensed place over the period covered by this Site Development Plan.

Waste Acceptance Criteria

(3.A2) This environmental authority permits only the following wastes to be received for disposal at the licensed place:

(a) construction wastes and demolition waste;

(b) minor quantities of regulated wastes incidental to and commingled with domestic refuse;

(c) solid inert waste;

(d) domestic garbage;

(e) limited regulated waste as defined in the Environmental Protection Regulation 1998;

(f) green wastes.

Note:

(i) drums containing any residual regulated wastes are themselves a regulated waste and must not be received for disposal at the licensed place unless they have been steam cleaned, triple rinsed or thoroughly cleaned.

(ii) car bodies and recyclable solid inert wastes may be stored on the licensed place.

Wastes Prohibited for Disposal

(3.A3) Notwithstanding condition number (3.A2), the following wastes must not be disposed of on the licensed place:

(a) pyrophoric wastes (where co-disposed with other potentially combustible material); or

(b) explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction; or

(c) untreated infectious wastes; or

(d) liquescent waste streams or any waste capable of yielding free liquids; or

(e) regulated wastes other than those permitted under condition number (3.A2).

Supervision

(3.A4) The holder of this environmental authority must ensure that the licensed place is inspected as often as is necessary so as to ensure compliance with this environmental authority, but in any case not less frequently than once per week.

Site Relocation, Closure and Post Closure Care

(3.A5) By 1 June 1999 the holder of this environmental authority must submit to the administering authority a report including:

(a) the results of an investigation into alternative sites for the Aurukun Refuse Tip; and

(b) a Closure Plan for the Aurukun Refuse Tip on Sewage Treatment Plant Road, Aurukun; and

(c) a Post Closure Care Plan and Maintenance Plan for the Aurukun Refuse Tip on Sewage Treatment Plant Road, Aurukun.

(3.A6) The Post Closure Care Plan for the licensed place as required by this environmental authority must be developed to extend for a nominal period of at least thirty (30) years after cessation of waste disposal activities and must be implemented until it can be demonstrated to the administering authority that the site will not release contaminants to the environment.

(3.A7) The Post Closure Care Plan must include, but not necessarily limited to the following:

(a) maintenance of the integrity and effectiveness of final cover systems; and

(b) maintenance and operation of any leachate collection system installed as part of the Closure Plan; and

(c) the continuation of a monitoring program if required under this environmental authority; and,

(d) maintenance of appropriate stormwater diversion systems; and

(e) maintenance of vegetation planted on the completed, capped and drained disposal areas.

END OF CONDITIONS FOR SCHEDULE 3.A

SCHEDULE 3.B - AIR

Odour Generation

(3.B1) In the event of a complaint made to the administering authority (which is neither frivolous or vexatious) about odour generated on the licensed place, and the odour is considered by the administering authority to be an unreasonable release, the holder of this environmental authority must take action to mitigate the odour to ensure that it is no longer an unreasonable release.

Dust Generation

(3.B2) In the event of a complaint made to the administering authority (which is neither frivolous or vexatious) about dust generated on the licensed place, and the release of dust is considered by the administering authority to be unreasonable, the holder of this environmental authority must take action to mitigate the release of dust to ensure that it is no longer unreasonable.

Dust Control

(3.B3) Any stockpiles of inert cover material must be managed so as to minimise wind blown dust emissions.

(3.B4) The holder of this environmental authority must ensure that all wastes accepted onto the licensed place are handled, disposed of or stockpiled in such a way as to minimise dust generation.

END OF CONDITIONS FOR SCHEDULE 3.B

SCHEDULE 3.C - WATER

(3.C1) The holder of this environmental authority must not either directly or indirectly release any leachate generated on the licensed place to any land beyond the boundary of the licensed place or to any stormwater drain or waters.

END OF CONDITIONS FOR SCHEDULE 3.C

SCHEDULE 3.D - STORMWATER MANAGEMENT

Stormwater Diversion

(3.D1) A system of suitable diversion drains or embankments must be constructed and maintained to divert surface waters away from any area of the licensed place where contact with wastes or contaminants may occur. Particular attention must be paid to:

(a) any active waste disposal area;

(b) any designated infectious waste disposal trench;

(c) any waste storage areas;

(d) any area previously used for waste disposal; and

(e) any leachate collection ponds (if applicable).

END OF CONDITIONS FOR SCHEDULE 3.D

SCHEDULE 3.E - LAND APPLICATION

(3.E1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 3.E

SCHEDULE 3.F - NOISE

(3.F1) Nil conditions.

END OF CONDITIONS OF SCHEDULE 3.F

SCHEDULE 3.G - WASTE MANAGEMENT

General

(3.G1) The holder of this environmental authority must not:

(a) burn waste at or on any licensed place covered by this environmental authority unless otherwise authorised by this administering authority; nor

(b) allow waste to burn or be burnt at or on any licensed place covered by this environmental authority unless otherwise authorised by the administering authority; nor

(c) remove waste from any licensed place covered by this environmental authority and burn such waste elsewhere except in accordance with the requirements of the Environmental Protection Act 1994.

Compliance with Site Development Plan

(3.G2) The holder of this environmental authority must ensure waste disposal activities are carried out in accordance with the Site Development Plan required under condition number (3.A1) of this environmental authority.

Soil Permeability

(3.G3) Any future waste disposal area, leachate storage pond and above ground embankment on the licensed place must be constructed to a standard which effectively minimises the release of leachate through the base and embankments.

Removal of Cover Material

(3.G4) Where waste is to be disposed of above an area previously used for waste disposal, existing cover material must be ripped or removed so as to allow leachate and contaminated stormwater to percolate through the wastes deposited below.

Access to Active Waste Disposal Area

(3.G5) The holder of this environmental authority must ensure any waste disposal area constructed on the licensed place is constructed with ramps, where necessary, to allow plant and machinery access to the active waste disposal area, so that wastes can be effectively consolidated, compacted and covered.

Construction of Embankments

(3.G6) The perimeter embankments of any disposal area or leachate storage pond installed on the licensed place must be maintained so as to ensure the stability and integrity of their construction.

Leachate Management

(3.G7) The holder of this environmental authority must ensure that all reasonable and practical measures are taken to ensure all active waste disposal areas are operated and managed so as to minimise the generation of leachate.

Leachate Disposal

(3.G8) The holder of this environmental authority may only dispose of leachate or contaminated stormwater generated on the licensed place:

(a) by evaporation on the licensed place; or

(b) by recirculation back into the areas of the licensed place where waste disposal is taking place; or

(c) by irrigation over exposed wastes on the licensed place.

(3.G9) Leachate must not be disposed of on any area of the licensed place that has received its final cover of topsoil or on any revegetated areas unless the quality of the leachate is such that it will not cause any environmental harm through soil or water contamination or damage to vegetation.

Active Waste Disposal Area Management

(3.G10) The holder of this environmental authority must ensure that waste disposal activities do not extend beyond the boundary of the licensed place.

(3.G11) The holder of this environmental authority must take effective measures to ensure that all wastes received for disposal at the licensed place are not disposed of:

(a) beyond any active waste disposal area; or

(b) into waters or leachate collected at the base of any active waste disposal area; and

(c) beyond the catchment of any leachate collection drains installed as part of a leachate collection system.

(3.G12) All large metal articles received for disposal must be effectively compacted before being deposited at the base of any active waste disposal area.

Availability of Cover Material

(3.G13) The holder of this environmental authority must ensure that a stockpile of cover material in sufficient quantities to cover waste disposed on the licensed place over any one (1) month period is readily accessible at all times.

Covering of Wastes

(3.G14) Wastes deposited in any active waste disposal area must be effectively consolidated, compacted and covered with a layer of inert earthen material or other non-combustible, inert material to prevent exposure of covered wastes as often as is necessary to:

(a) prevent the access of flies, rodents, or other animals to covered wastes; and

(b) minimise the propagation of odours from deposited wastes; and

(c) minimise the generation of windblown litter; and

(d) reduce the risk of fire; and

(e) ensure compliance with the conditions of this environmental authority, but in any case not less frequently than once per week.

Mechanical Plant

(3.G15) Mechanical plant capable of ensuring compliance with this environmental authority must be used to carry out any consolidation, compaction and covering of wastes deposited in any active waste disposal area.

Access Roads

(3.G16) The holder of this environmental authority must ensure all weather access roads are constructed and maintained so that at all times whilst the licensed place is open for receiving wastes, vehicles have access to any active waste disposal area.

Signs

(3.G17) The holder of this environmental authority must cause signs, maintained in good repair, to be erected at the entrance to the licensed place and/or in prominent locations on the licensed place. Such signs must give the following information at a minimum:

(a) the wastes permitted to be received at the licensed place; and

(b) prohibition of the lighting of unauthorised fires on the licensed place; and

(c) directing traffic to the location of the active disposal area.

Litter Control

(3.G18) Where necessary, relocatable litter screens or other methods of litter control must be provided at the active disposal area in order to effectively capture paper or other wind blown litter generated by waste disposal activities on the licensed place.

(3.G19) The holder of this environmental authority must ensure litter is collected so as to ensure that the licensed place, all fences, litter screens and the surrounds of the licensed place are kept in a tidy condition.

Public Health Issues

(3.G20) The holder of this environmental authority must make provision to ensure that the operation of the Aurukun Waste Disposal Facility does not create a public health problem. The holder of the environmental authority must carry out any works required by the administering authority to prevent or abate any public health problem or nuisance which may arise as a result of the operation of the licensed place.

(3.G21) The holder of the environmental authority must take all practical measures to ensure that the environmentally relevant activity is conducted at all times in a nuisance free manner, particularly regarding fly breeding, mosquito breeding and rat harbourage and breeding.

Fire Control

(3.G22) The holder of this environmental authority must ensure a fire break is maintained around any active waste disposal area so as to prevent the spread of fire to adjoining land.

(3.G23) In the event of any fire occurring at the licensed place the holder of this environmental authority must extinguish the fire, as soon as it is safe to do so.

Final Cover

(3.G24) Any completed waste disposal area must be capped with low permeability material and compacted so as to effectively minimise infiltration of stormwater.

(3.G25) Soils or other materials used to construct the capping of any completed waste disposal area must achieve an in situ permeability of less than 1×10^{-8} metres per second.

(3.G26) Any completed and capped waste disposal area must be progressively covered with clean earth to a depth of at least 250 millimetres capable of supporting shallow rooted vegetation. A thicker top soil layer may be necessary to support deeper rooted vegetation and also to prevent root penetration of the cap.

(3.G27) The final surface of any completed disposal area of the licensed place must, after covering as specified in condition number (3.G26) be graded, drained and vegetated so as to:

(a) minimise erosion; and

(b) divert clean stormwater away from the completed disposal area; and

(c) prevent ponding of stormwater.

(3.G28) In the areas awaiting rehabilitation or those in the process of being rehabilitated, vehicle access must be restricted by suitable barriers to prevent surface disturbance.

END OF CONDITIONS FOR SCHEDULE 3.G

SCHEDULE 3.H - MONITORING AND REPORTING

(3.H1) Nil conditions.

END OF CONDITIONS FOR SCHEDULE 3.H

SCHEDULE 3.I - DEFINITIONS

For the purposes of this environmental authority the following definitions apply:

(3.I1) "licensed place" in this part of this environmental authority means the Aurukun Tip, on Lease (Aboriginal Lands) No.1, Map SC211, Parish of Rosmead, County of Pera and located at Sewage Treatment Plant Road, Aurukun Qld 4871 at the location shown in the site plan in condition number (1.J1).

(3.I2) "active waste disposal area" means an area or trench currently being used for the disposal of wastes accepted under a condition of this environmental authority and includes all or part of a disposal trench.

END OF CONDITIONS FOR SCHEDULE 3.I

END OF ENVIRONMENTAL AUTHORITY