Replacement Development Approval
Section 621(4) *Environmental Protection Act 1994*

EPA Permit[1]:	IPDE00827708
Registration Number:	ENRE00735708
Previous Development Approval Number:	SR1329
Relevant Laws and Policies:	*Environmental Protection Act 1994* and subordinate legislation

This development approval is issued to:

Department of Primary Industries and Fisheries
80 Ann Street
BRISBANE QLD 4000

Development Description:

Carrying out of Environmentally Relevant Activity (ERA)

15(b) – Sewage treatment – operating a standard sewage treatment works having a peak design capacity to treat sewage of – 100 or more equivalent persons but less than 1500 equivalent persons

Property/Location

Kingaroy Research Station, Kingaroy

The environmentally relevant activity must be constructed, operated and maintained in accordance with the conditions as set out in the attached schedule of conditions.

Further development permits required

Nil

Additional information for applicants

This approval pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any further approval for this development which might be required by other State and/or Commonwealth legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming aware the activity is being carried out, give notice to the Environmental Protection Agency.

A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

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Environmental Protection Agency
www.epa.qld.gov.au ABN 87 221 158 786

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Appeal

This development approval is issued pursuant to section 621 of the *Environmental Protection Act 1994*. The rights of review and appeal are attached to this notice.

This development approval takes effect 10 Business days after you receive this notice, or if there is an appeal from the day the appeal is finally decided or is otherwise ended.

Signed

24 January 2005
Date

L Jordan
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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Environmental Protection Agency
Queensland Parks and Wildlife Service

Schedule of conditions

The aforementioned description of the ERA for which this development approval is issued is simply a restatement of the activity as prescribed in the legislation at the time of issuing the development approval. Where there is any conflict between the above description of the ERA for which this development approval is issued and the conditions as specified in this development approval as to the scale, intensity or manner of carrying out of the ERA, then such conditions prevail to the extent of the inconsistency.

This approval incorporates the following schedules of conditions relevant to various issues-

SCHEDULE A – GENERAL CONDITIONS

SCHEDULE D – STORMWATER

SCHEDULE E – LAND DISPOSAL

SCHEDULE H – MONITORING AND REPORTING

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SCHEDULE A – GENERAL CONDITIONS

Access to Copy of Development Approval

(A1) A copy of this development approval must be kept in a location readily accessible to personnel carrying out the activity.

Records

(A2) Any record or document required to be kept by a condition of this development approval must be kept at the approved place for a period of at least five (5) years and be available for examination by an authorised person. 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

(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 development approval.

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.

Integrated Environmental Management System (IEMS)

(A4) The registered operator of this development approval 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; 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

(b) lodge with the administering authority on or before 9 March 1999 and at 3-monthly intervals thereafter until 9 September 1999, a brief report describing the progress in developing and implementing the Integrated Environmental Management System; and

(c) on or before 9 December 1999, have completed and implemented the Integrated Environmental Management System; and

(d) on or before 9 February 2000, lodge a detailed description of the Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and

(e) have due regard to that comment in the finalisation of the IEMS.

END OF CONDITIONS FOR SCHEDULE A

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SCHEDULE D - STORMWATER

Effluent Disposal Areas—Stormwater Diversion

(D1) By 24 February 1999, sites of any trenches or areas used for disposal of septic tank effluent or sullage must be protected against the ingress of surface flows of stormwater runoff originating outside the disposal area, by means of appropriate stormwater diversion works or other works.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E – LAND DISPOSAL

Quantities of Sewage Treatment Plant Effluent and Sludge

(E1) The quantities of sewage treatment plant wastewater and sludge authorised to be disposed of each day from the plant are those produced by the number of equivalent persons shown in Schedule E Table 1.

SCHEDULE E TABLE 1

Site of Treatment Plant	Number of Equivalent Persons
Kingaroy Research Station, Kingaroy	200

Quality of Wastewater Released

(E2) The quality of wastewater disposed of from the plant is to be consistent with that produced by a septic tank designed for at least the number of equivalent persons actually served, and properly operated and maintained.

Wastewater Disposal Methods

(E3) The method of disposal of wastewater from the plant is shown in Schedule E Table 2, and the disposal area in each case is to be within the area occupied by the registered operator's Research Station.

SCHEDULE E TABLE 2

Plant Site	Disposal method
Kingaroy Research Station, Kingaroy	land application

Impacts of Application of Wastewater to Land

(E4) Where wastes are applied to land—

(a) all reasonable and practicable measures must be taken to avoid any off-site impacts resulting from the land application process;

(b) sampling of soils in the application area must be undertaken annually at the end of the pasture growing season;

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(c) the soil sampling procedure must be designed to ensure that the analytical results will enable determination of—

(i) whether there is deep percolation of nutrients below the root zone of the pastures; and

(ii) whether there is accumulation of salts and nutrients above background levels;

(d) the analytical results must be used to determine the matters set out in paragraph (c) above.

Control of Runoff from Wastewater Application Area

(E5) (a) The areas selected for application of wastes to land, and the rates and times of such application, must as far as practicable be such as to avoid the risk of runoff of wastes;

(b) Any runoff of wastes from land application areas must be dispersed over land so as to avoid release to waters.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE H – MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the registered operator of this development approval relating to releases of contaminants from operations at any approved place to which this approval applies must be recorded and kept with the following details:

(a) time, date and nature of complaint;

(b) type of communication (telephone, letter, personal etc.);

(c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);

(d) response and investigation undertaken as a result of the complaint;

(e) name of person responsible for investigating complaint; and

(f) action taken as a result of the complaint investigation and signature of responsible person.

END OF CONDITIONS FOR SCHEDULE H

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COPY

Registration certificate

Environmental Protection Act 1994

Registration certificate

No: ENRE00735708

This registration certificate is issued by the administering authority and takes effect from: 11-APR-2011.

The anniversary day for the purposes of the Annual Return remains: 24 November.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-
Department of Primary Industries, Fisheries and Forestry
80 Ann Street
BRISBANE QLD 4000

Located at:-
Granite Belt Research Station,STANTHORPE QLD 4380
Registered Activity: -
ERA 63 Sewage treatment Threshold 2(a) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

Located at:-
Hermitage Research Station,WARWICK QLD 4370
Registered Activity: -
ERA 63 Sewage treatment Threshold 2(a) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP (i) if treated effluent is discharged to an infiltration trench or through an irrigation scheme

Located at:-
Kingaroy Research Station,KINGAROY QLD 4610
Registered Activity: -
ERA 63 Sewage treatment Threshold 2(b) - operating sewage treatment works, other than no-release works, with a total daily peak design capacity of more than 100 to 1500EP (i) if

Department of Environment and Resource Management
www.derm.qld.gov.au ABN 46 640 294 485

Queensland Government

treated effluent is discharged to an infiltration trench or through an irrigation scheme

C. E. Birt

Cathy Birt
Delegate
Department of Environment and Resource Management
Environmental Protection Act 1994

11-APR-2011

Queensland Government

Enquiries Amanda Gray
Telephone (07) 3224 5642
Your reference
Our reference

Environmental Protection Agency
Incorporating the
Queensland Parks and Wildlife Service

18 January 2008

Department of Primary Industries and Fisheries
80 Ann Street
BRISBANE QLD 4000

Dear Mr Scott Campbell

Re: Integrated authority, number SR1329 to conduct Environmentally Relevant Activity 15(a) and 15(b) – Sewage Treatment, issued under the *Environmental Protection Act 1994*, various locations across Queensland.

The Environmental Protection Agency (EPA) has separated integrated authority SR1329 into three separate development approvals. The justification for this action is a result of amendments to the *Environmental Protection Act 1994* (the Act) whereby the provisions for integrated authorities were repealed. For existing integrated authorities such as DPI&F's, provisions in the Act allow for the status of each constituent part of the integrated authority to be a single development approval (for a material change of use under the *Integrated Planning Act 1997*). Provisions also allow the EPA to issue replacement documents for each of these development approvals. Please note that only minor word changes occurred to reflect amendments to legislative terminology.

The reference numbers of the new three separate development approvals for the sites covered in the previous integrated authority are as follows:

Sewage Treatment Facility	Development permit number
Granite Belt Research Station, Stanthorpe	IPDE00827208
Hermitage Research Station, Warwick	IPDE00827308
Kingaroy Research Station, Kingaroy	IPDE00827708

In addition, the EPA has issued a single registration certificate authorising DPI&F to carry out ERA 15 (a) – Sewage Treatment at the Granite Belt Research Station and the Hermitage Research Station and 15 (b) – Sewage Treatment at the Kingaroy Research Station. The registration certificate number is ENRE00735708.

The replacement development approvals and the registration certificate are attached for your reference. Please ensure copies of these approvals are sent to the relevant premises as under

288 Edward Street Brisbane
Queensland 4001 Australia
GPO Box 2771 Brisbane
Queensland 4002 Australia
Telephone 3224 6885
Facsimile 3225 8723
Website www.epa.qld.gov.au
ABN 87 221 158 786

Printed on 100% recycled paper

condition (A1), a copy of the development approval must be kept in a location readily accessible to personnel carrying out the activity.

These changes will not impact upon the timing of your annual return or the annual return fee.

Should you have any concerns or enquiries regarding this matter, please contact Amanda Gray on telephone (07) 3224 5642.

Yours sincerely

Louise Jordan
Team Leader
Brisbane South
Environmental Services
Environmental Protection Agency

ecoaccess
environmental licences and permits

Replacement Development Approval
Section 621(4) *Environmental Protection Act 1994*

EPA Permit[1]:	IPDE00827208
Registration Number:	ENRE00735708
Previous Development Approval Number:	SR1329
Relevant Laws and Policies:	*Environmental Protection Act 1994* and subordinate legislation

This development approval is issued to:

Department of Primary Industries and Fisheries
80 Ann Street
BRISBANE QLD 4000

Development Description:

Carrying out of Environmentally Relevant Activity (ERA)

15(a) – Sewage treatment – operating a standard sewage treatment works having a peak design capacity to treat sewage of – 21 or more equivalent persons but less than 100 equivalent persons

Property/Location

Granite Belt Research Station, Stanthorpe

The environmentally relevant activity must be constructed, operated and maintained in accordance with the conditions as set out in the attached schedule of conditions.

Further development permits required

Nil

Additional information for applicants

This approval pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any further approval for this development which might be required by other State and/or Commonwealth legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

It is a requirement of the *Environmental Protection Act 1994* that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined under schedule 2 of the *Environmental Protection Act 1994*) is being carried out on this land or that the land has been affected by a hazardous contaminant, they must, within 30 days after becoming aware the activity is being carried out, give notice to the Environmental Protection Agency.

A list of Notifiable Activities is provided within Schedule 2 of the *Environmental Protection Act 1994*.

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Appeal

This development approval is issued pursuant to section 621 of the *Environmental Protection Act 1994*. The rights of review and appeal are attached to this notice.

This development approval takes effect 10 Business days after you receive this notice, or if there is an appeal from the day the appeal is finally decided or is otherwise ended.

Signed

24 January 2008
Date

L Jordan
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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Schedule of conditions

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This approval incorporates the following schedules of conditions relevant to various issues-

SCHEDULE A – GENERAL CONDITIONS

SCHEDULE D – STORMWATER

SCHEDULE E – LAND DISPOSAL

SCHEDULE H – MONITORING AND REPORTING

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SCHEDULE A – GENERAL CONDITIONS

Access to Copy of Development Approval

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Alterations

(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 development approval.

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.

Integrated Environmental Management System (IEMS)

(A4) The registered operator of this development approval 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; 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

(b) lodge with the administering authority on or before 9 March 1999 and at 3-monthly intervals thereafter until 9 September 1999, a brief report describing the progress in developing and implementing the Integrated Environmental Management System; and

(c) on or before 9 December 1999, have completed and implemented the Integrated Environmental Management System; and

(d) on or before 9 February 2000, lodge a detailed description of the Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and

(e) have due regard to that comment in the finalisation of the IEMS.

END OF CONDITIONS FOR SCHEDULE A

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SCHEDULE D - STORMWATER

Effluent Disposal Areas—Stormwater Diversion

(D1) By 24 February 1999, sites of any trenches or areas used for disposal of septic tank effluent or sullage must be protected against the ingress of surface flows of stormwater runoff originating outside the disposal area, by means of appropriate stormwater diversion works or other works.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E – LAND DISPOSAL

Quantities of Sewage Treatment Plant Effluent and Sludge

(E1) The quantities of sewage treatment plant wastewater and sludge authorised to be disposed of each day from the plant are those produced by the number of equivalent persons shown in Schedule E Table 1.

SCHEDULE E TABLE 1

Site of Treatment Plant	Number of Equivalent Persons
Granite Belt Research Station, Stanthorpe	80

Quality of Wastewater Released

(E2) The quality of wastewater disposed of from the plant is to be consistent with that produced by a septic tank designed for at least the number of equivalent persons actually served, and properly operated and maintained.

Wastewater Disposal Methods

(E3) The method of disposal of wastewater from the plant is shown in Schedule E Table 2, and the disposal area is to be within the area occupied by the registered operator's Research Station.

SCHEDULE E TABLE 2

Plant Site	Disposal method
Granite Belt Research Station, Stanthorpe	evapotranspiration trench

Impacts of Application of Wastewater to Land

(E4) Where wastes are applied to land—

(a) all reasonable and practicable measures must be taken to avoid any off-site impacts resulting from the land application process;

(b) sampling of soils in the application area must be undertaken annually at the end of the pasture growing season;

(c) the soil sampling procedure must be designed to ensure that the analytical results will enable determination of—

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(i) whether there is deep percolation of nutrients below the root zone of the pastures; and

(ii) whether there is accumulation of salts and nutrients above background levels;

(d) the analytical results must be used to determine the matters set out in paragraph (c) above.

Control of Runoff from Wastewater Application Area

(E5) (a) The areas selected for application of wastes to land, and the rates and times of such application, must as far as practicable be such as to avoid the risk of runoff of wastes;

(b) Any runoff of wastes from land application areas must be dispersed over land so as to avoid release to waters.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE H – MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the registered operator of this development approval relating to releases of contaminants from operations at any approved place to which this approval applies must be recorded and kept with the following details:

(a) time, date and nature of complaint;

(b) type of communication (telephone, letter, personal etc.);

(c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);

(d) response and investigation undertaken as a result of the complaint;

(e) name of person responsible for investigating complaint; and

(f) action taken as a result of the complaint investigation and signature of responsible person.

END OF CONDITIONS FOR SCHEDULE H

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Replacement Development Approval
Section 621(4) *Environmental Protection Act 1994*

EPA Permit[1]:	IPDE00827308
Registration Number:	ENRE00735708
Previous Development Approval Number:	SR1329
Relevant Laws and Policies:	*Environmental Protection Act 1994* and subordinate legislation

This development approval is issued to:

Department of Primary Industries and Fisheries
80 Ann Street
BRISBANE QLD 4000

Development Description:

Carrying out of Environmentally Relevant Activity (ERA)

15(a) – Sewage treatment – operating a standard sewage treatment works having a peak design capacity to treat sewage of – 21 or more equivalent persons but less than 100 equivalent persons

Property/Location

Hermitage Research Station, Warwick

The environmentally relevant activity must be constructed, operated and maintained in accordance with the conditions as set out in the attached schedule of conditions.

Further development permits required

Nil

Additional information for applicants

This approval pursuant to the *Environmental Protection Act 1994* does not remove the need to obtain any further approval for this development which might be required by other State and/or Commonwealth legislation. Applicants are advised to check with all relevant statutory authorities. Applicants also should comply with all relevant legislation.

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Environmental Protection Agency
www.epa.qld.gov.au ABN 87 221 158 786

Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Appeal

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This development approval takes effect 10 Business days after you receive this notice, or if there is an appeal from the day the appeal is finally decided or is otherwise ended.

L Jordan — Signed

24 January 2008 — Date

L Jordan
Manager (Licensing)
Delegate of Administering Authority
Environmental Protection Act 1994

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SCHEDULE A – GENERAL CONDITIONS

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(A4) The registered operator of this development approval 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; 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

(b) lodge with the administering authority on or before 9 March 1999 and at 3-monthly intervals thereafter until 9 September 1999, a brief report describing the progress in developing and implementing the Integrated Environmental Management System; and

(c) on or before 9 December 1999, have completed and implemented the Integrated Environmental Management System; and

(d) on or before 9 February 2000, lodge a detailed description of the Integrated Environmental Management System and its documentation with the administering authority for its review and comment; and

(e) have due regard to that comment in the finalisation of the IEMS.

END OF CONDITIONS FOR SCHEDULE A

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SCHEDULE D - STORMWATER

Effluent Disposal Areas—Stormwater Diversion

(D1) By 24 February 1999, sites of any trenches or areas used for disposal of septic tank effluent or sullage must be protected against the ingress of surface flows of stormwater runoff originating outside the disposal area, by means of appropriate stormwater diversion works or other works.

END OF CONDITIONS FOR SCHEDULE D

SCHEDULE E – LAND DISPOSAL

Quantities of Sewage Treatment Plant Effluent and Sludge

(E1) The quantities of sewage treatment plant wastewater and sludge authorised to be disposed of from the plant are those produced by the number of equivalent persons shown in Schedule E Table 1.

SCHEDULE E TABLE 1

Site of Treatment Plant	Number of Equivalent Persons
Hermitage Research Station, Warwick	28

Quality of Wastewater Released

(E2) The quality of wastewater disposed of from the plant is to be consistent with that produced by a septic tank designed for at least the number of equivalent persons actually served, and properly operated and maintained.

Wastewater Disposal Methods

(E3) The method of disposal of wastewater from the plant is to be as shown in Schedule E Table 2, and the disposal area is to be within the area occupied by the registered operator's Research Station.

SCHEDULE E TABLE 2

Plant Site	Disposal method
Hermitage Research Station, Warwick	evaporation pond and/or land application

Impacts of Application of Wastewater to Land

(E4) Where wastes are applied to land—

(a) all reasonable and practicable measures must be taken to avoid any off-site impacts resulting from the land application process;

(b) sampling of soils in the application area must be undertaken annually at the end of the pasture growing season;

(c) the soil sampling procedure must be designed to ensure that the analytical results will enable determination of—

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(i) whether there is deep percolation of nutrients below the root zone of the pastures; and

(ii) whether there is accumulation of salts and nutrients above background levels;

(d) the analytical results must be used to determine the matters set out in paragraph (c) above.

Control of Runoff from Wastewater Application Area

(E5) (a) The areas selected for application of wastes to land, and the rates and times of such application, must as far as practicable be such as to avoid the risk of runoff of wastes;

(b) Any runoff of wastes from land application areas must be dispersed over land so as to avoid release to waters.

END OF CONDITIONS FOR SCHEDULE E

SCHEDULE H – MONITORING AND REPORTING

Complaint Recording

(H1) All complaints received by the registered operator of this development approval relating to releases of contaminants from operations at any approved place to which this approval applies must be recorded and kept with the following details:

(a) time, date and nature of complaint;

(b) type of communication (telephone, letter, personal etc.);

(c) name, contact address and contact telephone number of complainant (Note: if the complainant does not wish to be identified then "Not identified" is to be recorded);

(d) response and investigation undertaken as a result of the complaint;

(e) name of person responsible for investigating complaint; and

(f) action taken as a result of the complaint investigation and signature of responsible person.

END OF CONDITIONS FOR SCHEDULE H

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation administered by the Environmental Protection Agency and the Queensland Parks and Wildlife Service

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Certificate of Registration

No: ENRE00735708

This registration certificate is issued by the Environmental Protection Agency and takes effect from: 22 January 2008.

The anniversary day for the purposes of the Annual Return remains: 24 November.

This registration certificate is a requirement of section 73F of the *Environmental Protection Act 1994* and authorises the registered operator to undertake the activities listed below at the following places; subject to the conditions set out in a development approval attached to the premises, or the relevant code of environmental compliance.

Registered Operator:-

Department of Primary Industries and Fisheries
80 Ann Street
BRISBANE QLD 4000

Located at:-
Granite Belt Research Station,STANTHORPE QLD 4380

Hermitage Research Station,WARWICK QLD 4370

Registered Activity: -
ERA 15(a) Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 21 or more equivalent persons but less than 100 equivalent persons.

Located at:-
Kingaroy Research Station,KINGAROY QLD 4610

Registered Activity: -
ERA 15(b) Sewage treatment - operating a standard sewage treatment works having a peak design capacity to treat sewage of 100 or more equivalent persons but less than 1 500 equivalent persons.

24 January 2008

Delegate
Environmental Protection Agency

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