
	TAN BURRUP PROJECT	02080	 TECNICAS REUNIDAS
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 1 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

TAN BURRUP PROJECT

Compliance Assessment Report (MS 870)

REVISION CONTROL PAGE

MAIN DOCUMENT

<u>REV.</u>	<u>DATE</u>	<u>DESCRIPTION</u>	<u>COMMENTS</u>
00	24 Sep. 2012	Issue for approval	

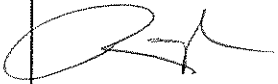
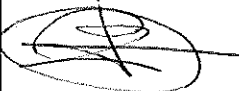


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PREPARED:	REVIEWED:	APPROVED:	COMPANY APPROVED:
R. del Campo	F. Bardon	A. López	F. Almas
			



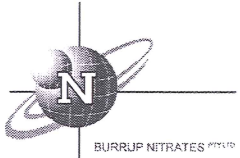

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 2 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

TABLE OF CONTENTS

1. PURPOSE	4
2. SCOPE	5
3. DEFINITIONS	5
4. COMPLIANCE ASSESSMENT REPOR (CAR) REQUIREMENTS	6
4.1 Compliance Reporting	6
4.2 CAR Submission	6
4.3 CAR Endorsement	6
4.4 Statement of Compliance	6
4.5 CAR Public Availability	6
4.6 CAP Changes	7
4.7 Non-Compliances and Corrective and Preventive Actions	7
5. MS 870 COMPLIANCE ASSESSMENT - AUDIT TABLE 1	8
6. SCHEDULE 1 OF MS 870 COMPLIANCE ASSESSMENT – AUDIT TABLE 2	21
6.1 Schedule 1 of MS 870, Summary of Key Proposal Characteristics – Audit Table 2	21
6.2 Schedule 1 of MS 870, References	23
6.3 Schedule 1 of MS 870, Figures (attached)	23
7. REFERENCES	27
7.1 Letters/Correspondence	27
7.2 Environmental Permitting Approvals	27
7.3 PROJECT documents and Records	27



	TAN BURRUP PROJECT	02080	 TECNICAS REUNIDAS
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 3 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

Corporate Endorsement

Burrup Nitrates Pty Ltd (BNPL) is pleased to submit this Compliance Assessment Report as per condition 4.6 of Ministerial Statement 870 (MS 870). I hereby certify to the best of my knowledge, the information within this Compliance Assessment Report is true and correct



Finn Almås
Project Manager
Yara International

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 4 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

1. PURPOSE



The purpose of the Compliance Assessment Report (CAR) is to assess compliance with all conditions of the Ministerial Statement 870 (MS 870) dated on 7 July 2011 according with the conditions 4-3, 4-4 and 4-6 of this referred MS 870:

“4-3 The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.

4-4 The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.

4-6 The proponent shall submit to the CEO the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance report. The compliance assessment report shall:

- 1. be endorsed by the proponent’s Managing Director or a person delegated to sign on the Managing Director’s behalf;*
- 2. include a statement as to whether the proponent has complied with the conditions;*
- 3. identify all potential non-compliances and describe corrective and preventative actions taken;*
- 4. be made publicly available in accordance with the approved compliance assessment plan; and*
- 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.”*

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 5 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	



2. SCOPE

This CAR applies to the PROJECT proposed by Burrup Nitrates Pty Ltd (BNPL) to construct and operate a Technical Ammonium Nitrate Production Facility (TANPF) located on Site D within the King Bay/Hearson Cove Industrial Estate on the Burrup Peninsula (WA). The PROPOSAL is located approximately 13 kilometres (km) north-west of Karratha.

Implementation of the proposal is subjected to the conditions of Ministerial Statement 870 (including Schedule1) and the PROPONENT must ensure its compliance by means of recording and documenting this CAR according with the Compliance Assessment Plan (CAP).

3. DEFINITIONS

PROPONENT / COMPANY:	Burrup Nitrates Pty Ltd (BNPL).
PROPOSAL / PROJECT:	TAN Burrup Project.
EPC LSTK CONTRACTOR:	Técnicas Reunidas S.A. (TR).
YPFPL:	YARA Pilbara Fertilizers Pty Ltd.
CAP:	Compliance Assessment Plan.
CAR:	Compliance Assessment Report.
CEO:	Chief Executive Officer (of the OEPA).
EPBC Act:	Commonwealth Environment Protection and Biodiversity Conservation (EPBC) Act 1999.
DEC:	Department of Environment and Conservation.
EP Act:	WA Environmental Protection Act, 1986.
EPC:	Engineering, Procurement and Construction.
LSTK:	Lump Sum Turn Key.
MS:	Ministerial Statement.
OEPA:	Office of Environmental Protection Authority.
PER:	Public Environmental Review.
TAN:	Technical Ammonium Nitrate.
TANPF:	Technical Ammonium Nitrate Production Facility.
WA:	Western Australia.

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 6 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

4. COMPLIANCE ASSESSMENT REPORT (CAR) REQUIREMENTS

4.1 Compliance Reporting

The Compliance Assessment Report (CAR) assesses the compliance with conditions for MS 870 dated on 7 July 2011 in accordance with the Compliance Assessment Plan (CAP), 2-250-329-PRO-TRE-104 approved on 23 August 2012. This report complies with the compliance reporting requirements of condition 4.3 of MS 870.

4.2 CAR Submission

The PROPONENT shall submit to the OEPA the first compliance assessment report fifteen months from the date of issue of the MS 870 in July 2011 and then annually from the date of submission of the first compliance report.

The first CAR is submitted by 8 October 2012 covering fifteen months from the date of approval. Subsequent reports will be submitted by 8 October annually.

4.3 CAR Endorsement

This Compliance Assessment Report has been endorsed by Finn Almas, PROJECT Manager.

4.4 Statement of Compliance



Assessment of the PROJECT's progress against the CAP demonstrates that BNPL is compliant with all conditions applicable to the current stage of development for the project.

Current design and preliminary pre-construction works on site are all compliant with MS 870 as assessed and reported in Section 5, *Audit Table*.

4.5 CAR Public Availability

This CAR is to be placed on the PROPONENT website or an equivalent website for the life of the PROJECT. The PROPONENT website is available through the following link:

<http://www.burrupnitrates.com/>

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 7 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

A URL link to each report uploaded will be sent to the Compliance Branch through the compliance@epa.wa.gov.au email address.

4.6 CAP Changes

There have been no changes to the CAP during this reporting period. A detailed review of the CAP will be completed in the next compliance assessment report, due October 2013, to ensure the plan remains relevant.

4.7 Non-Compliances and Corrective and Preventive Actions

There has been no non-compliance during this reporting period.

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

5. MS 870 COMPLIANCE ASSESSMENT - AUDIT TABLE 1

Note:

- Phases that apply in this table = Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases).
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- Code prefixes: M = Minister's condition, P = Proponent's commitment.
- Any elements with status "Audited by proponent only" are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Acronyms list: CAP = Compliance Assessment Plan; CAR = Compliance Assessment Report, CEO = Chief Executive Officer of OEPA; DEC = Department of Environment and Conservation; DIA = Department of Indigenous Affairs; DMP = Department of Mining and Petroleum; EPA = Environmental Protection Authority; DoH = Department of Health; DoW = Department of Water, Minister for Env = Minister for the Environment Environmental Protection Act 1986; MINISTER: Minister for the Environment Protection and Biodiversity Conservation (EPBC) Act 1999, OEPA = Office of the Environmental Protection Authority, WA: Western Australia.
- Compliance Status: C = Compliant, CLD = Completed, NA = Not Audited, NC = Non – compliant, NR = Not Required at this stage. Please note the terms VR = Verification Required and IP = In Process are only for OEPA use.

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 1.1	Proposal Implementation	The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement.	Implement the proposal according with Schedule 1 of Statement No. 870, including the key proposal characteristics.	CAR.	Min for Env		Overall	Ongoing	Proposal yet to commence. Proposal implemented as per schedule 1, refer to Key Characteristics Table (Table 2) in this <i>Compliance Assessment Report (CAR)</i> , 2-250-329-REP-TRE-8001.	C
870:M 2.1	Proponent Nomination and Contact Details	The proponent for the time being nominated by the Minister for Environment under sections 38(6) or 38(7) of the Environmental Protection Act 1986 is responsible for the implementation of the proposal	Notify in writing a letter that provides details of the name and address of the new proponent.	Proponent details as listed on MS 870.	Min for Env		Overall	Ongoing	No change to proponent.	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 2.2	Proponent Nomination and Contact Details	The proponent shall notify the Chief Executive Officer of the Office of the Environmental Protection Authority (CEO) of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.	Notify in writing.	Letter of notification.	CEO		Overall	Within 30 days of such change	No change to proponent or proponent contact details.	C
870:M 3.1	Time Limit of Authorisation	The authorization to implement the proposal provided for in this statement shall lapse and be void five years after the date of this statement if the proposal to which this statement relates is not substantially commenced	Notify in writing.	Letter of notification.	CEO		Overall	Before 7 July 2016	PROJECT yet to commence.	C
870:M 3.2	Time Limit of Authorisation	The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.	Notify in writing.	Letter of notification.	CEO		Overall	Before 7 July 2016	Project yet to commence.	NR
870:M 4.1	Compliance Reporting	The proponent shall prepare and maintain a compliance assessment plan to the satisfaction of the CEO.	Prepare and maintain a CAP and an audit table in accordance with the 'Post Assessment Guideline for Preparing an Audit Table'. Written Correspondence.	Approved CAP. Approved Audit Table- A copy of Correspondence to CEO.	CEO		Overall	Ongoing	Letter OEPA 23/Ago/2012.	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 4.	Compliance Reporting	The proponent shall submit to the CEO the compliance assessment plan required by condition 4-1 at least 6 months prior to the first compliance report required by condition 4-6, or prior to implementation, whichever is sooner. The compliance assessment plan shall indicate: 1. the frequency of compliance reporting; 2. the approach and timing of compliance assessments; 3. the retention of compliance assessments; 4. the method of reporting of potential non-compliances and corrective actions taken; 5. the table of contents of compliance assessment reports; and 6. public availability of compliance assessment reports.	Submit the CAP to CEO. The CAP includes: 1. frequency of CAR, 2. approach and timing, 3. retention, methods of non-compliances and corrective actions reporting, 5. Table of contents of CAR and 6. Public availability of CAR.	Approved CAP. A copy of Correspondence to CEO. Available on proponent's website.	CEO		Pre-construction	Six (6) months prior to the first CAR by condition 4-6 (by 8 April 2012) or prior to implementation, whichever is sooner	Letter OEPA 23/Ago/2012.	CLD
870:M 4.3	Compliance Reporting	The proponent shall assess compliance with conditions in accordance with the compliance assessment plan required by condition 4-1.	Undertake assessment according to the approved CAP.	CAR.	Min of Env		Overall	CAR annually by 8 October	Completion of Audit Table as per this approved CAP, 2-250-329-REP-TRE-8001.	C
870:M 4.4	Compliance Reporting	The proponent shall retain reports of all compliance assessments described in the compliance assessment plan required by condition 4-1 and shall make those reports available when requested by the CEO.	Retain electronic and hardcopies of Compliance Assessment Reports for the life of the PROJECT, maintained as per PROPOSAL's Document Control Management System requirements being retrieved if required.	CAR and records availability at the request of CEO	CEO		Overall	When required by CEO	CAP to be retained on PROJECT files and available upon request.	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 4.5	Compliance Reporting	The proponent shall advise the CEO of any potential non-compliance within seven days of that non-compliance being known.	Notify in writing.	A copy of Correspondence to CEO.	CEO		Overall	Within 7 days of non-compliance being known	Proposal not yet commenced.	NR
870:M 4.6	Compliance Reporting	The proponent shall submit to the CEO the first compliance assessment report fifteen months from the date of issue of this Statement addressing the twelve month period from the date of issue of this Statement and then annually from the date of submission of the first compliance report. The compliance assessment report shall: 1. be endorsed by the proponent's Managing Director or a person delegated to sign on the Managing Director's behalf; 2. include a statement as to whether the proponent has complied with the conditions; 3. identify all potential non-compliances and describe corrective and preventative actions taken; 4. be made publicly available in accordance with the approved compliance assessment plan; and 5. indicate any proposed changes to the compliance assessment plan required by condition 4-1.	Submit the CAR to CEO in accordance with CAP. The CAR shall: 1. be endorsed by the proponent's Managing Director or a person delegated; 2. include a statement of compliance with conditions; 3. identify all potential non-compliances and describe corrective measures; 4. Be made publicly available; and 5. Proposed changes.	CAR. Uploaded on to proponent's website. A copy of Correspondence to CEO.	CEO		Overall	The first CAR submitted due by 8 October 2012 Then, annually by 8 October	This CAR, 2-250-329-REP-TRE-8001 is provided 15 months from date of issue of Statement.	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE PRODUCTION FACILITY, BURRUP PENINSULA, SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 5.1	Air Quality	The proponent shall adopt and implement best practice pollution control technology as determined by the Chief Executive Officer of the Department of Environment and Conservation (DEC) on advice of the CEO to minimise all relevant emissions from the TANPF ammonium nitrate pilling plant	<p>Adopt and implement EFMA - Best Available Techniques for Pollution Prevention and Control in the European Fertilizer Industry, Booklet No. 6 of 8: Production of Ammonium Nitrate and Calcium Ammonium Nitrate, 2000 (EFMA, 2000b) from the Common Stack (other sources) for the AN plant.</p> <p>DEC to incorporate stack emission concentration figures in the Works Approval and Licence that are commensurate with the use of best practice pollution control technology.</p> <p>Air Dispersion Modeling Study.</p> <p>Operation Air Quality and Monitoring Management (OAQMM) Plan for MINISTER approval.</p> <p>Written correspondence.</p>	<p>CAR.</p> <p>Air Dispersion Modeling Study.</p> <p>Air Quality reports, monitoring records.</p> <p>A copy of Correspondence to CEO/DEC</p>	DEC	CEO	Overall	Ongoing	<p>PROJECT Air Quality Assessment, Dec. 2009; reference: 0086269RP02-AQ.</p> <p>PROJECT Woks approval, April 2011, Reference: 0086296.</p> <p><i>Construction Air Quality Management Plan</i>, septiembere 2012; reference: 0086269 BPNL TANPF CAQMP.</p> <p>Operation Air Quality and Monitoring Management Plan still Not Required.</p>	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 5.2	Air Quality	Prior to construction, the proponent shall prepare and implement an ambient air monitoring programme to the satisfaction of the CEO on the advice of the Chief Executive Officer of the DEC	Prepare a Construction/Operation Air Quality and Monitoring Management (AQMM) Plan for MINISTER approval. Implement the AQMM Plan. Written correspondence.	CAR. Air Quality report. A copy of Correspondence to CEO/DEC.	CEO	DEC	Overall	Ongoing	Operation Air Quality and Monitoring Management Plan still No Required.	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 6.1	Rehabilitation	<p>The proponent shall undertake rehabilitation to achieve the following outcomes: 1. The project area shall be non-polluting and shall be constructed so that its final shape, stability, surface drainage, resistance to erosion and ability to support local native vegetation are comparable to natural landforms within the local area, as demonstrated by a methodology acceptable to the CEO; 2. Native vegetation areas disturbed through implementation of the proposal, shall be progressively rehabilitated with vegetation composed of plant species native to the Burrup Peninsula from propagating material of local provenance (as agreed by the CEO in consultation with the DEC); 3. Areas not currently supporting native vegetation shall be rehabilitated to the original land use or a use approved by the CEO; 4. The percentage cover of living vegetation in all rehabilitation areas shall be comparable with that of nearby undisturbed land as demonstrated by a methodology acceptable to the CEO; 5. No new species of weeds (including both declared weeds and environmental weeds) shall be introduced into the area as a result of the implementation of the proposal; and 6. The coverage of weeds (including both declared weeds and environmental weeds) within the rehabilitation areas shall not exceed that identified in baseline monitoring undertaken prior to the commencement of operations, or exceed that existent on comparable, nearby land which has not been disturbed during implementation of the proposal.</p>	<p>Prepare a Construction Terrestrial Vegetation and Flora Management (CTVFM) Plan for MINISTER approval.</p> <p>Implement the CTVFM Plan.</p> <p>Prepare a Construction Weed Management (CWM) Plan for MINISTER approval.</p> <p>Implement the CWM Plan.</p> <p>Written correspondence.</p>	<p>CAR.</p> <p>Construction rehabilitation reports and inspection records.</p> <p>A copy of Correspondence to CEO/DEC.</p>	CEO	DEC	Pre-construction Construction	Ongoing	<p>Issuance of <i>Construction Terrestrial Vegetation and Flora Management Plan</i> (2-250-329-PRO-TRE-0015) for MINISTER approval.</p> <p>Issuance of <i>Construction Weed Management Plan</i> (2-250-329-PRO-TRE-0016) for MINISTER approval.</p>	C

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 6.2	Rehabilitation	Rehabilitation activities shall continue until such time as the requirements of condition 6-1 are demonstrated by inspections and reports to have been met for a minimum of five years, to the satisfaction of the CEO on advice of the DEC.	<p>Prepare an Operation Terrestrial Vegetation and Flora Management (OTVFM) Plan for MINISTER approval.</p> <p>Implement the OCTVFM Plan.</p> <p>Prepare an Operation Weed Management (OWMP) Plan for MINISTER approval.</p> <p>Implement the OWM Plan.</p> <p>Written Correspondence.</p>	<p>CAR.</p> <p>Operation rehabilitation reports and inspection records.</p> <p>A copy of Correspondence to CEO/DEC.</p>	CEO	DEC	Operation	Minimum five years before construction commencement	NR	NR
870:M 7.1	Fauna	The proponent shall employ such structures and apparatus as are necessary and agreed by the DEC to deter birds from entering the contaminated water pond, clean water pond, and sewage wastewater treatment station evaporation pond	<p>Employ structures and apparatus to deter birds from entering the contaminated and clean ponds.</p> <p>Seek advice from DEC.</p>	<p>CAR.</p> <p>A copy of Correspondence to DEC/CEO.</p>	CEO	DEC	Overall	Ongoing	NR	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 7.2	Fauna	During construction of the TANPF the proponent shall ensure that the following requirements are met: 1. Fauna refuges are to be placed in the trenches and other construction related voids at intervals not exceeding 50 metres; 2. The proponent shall employ at least two "fauna-clearing people" that are appropriately licensed by the DEC to remove fauna from the trenches and other construction related voids; 3. Inspection and clearing of fauna from trenches and other construction related voids by fauna clearing people shall occur at least twice daily and not more than half an hour prior to backfilling of trenches and other construction related voids, with the first daily inspection and clearing to be completed no later than 3.5 hours after sunrise, and the second inspection and clearing to undertaken daily between the hours of 3:00 pm and 6:00 pm; 4. In the event of rainfall, the proponent shall, following the clearing of fauna from the trenches and other construction related voids, pump out any pooled water in the open trenches and other construction related voids (with the exception of groundwater) and discharge it via a mesh (to dissipate energy) to adjacent vegetated area, having regard for the DEC's draft guideline on the treatment and management of acid sulfate soils and water in acid sulfate soil landscapes (DEC, 2009) and any subsequent revisions; and 5. Within 14 days following completion of the construction activities requiring the use of open trenches and other construction related voids, the proponent shall provide a report on fauna found, both dead and alive, within the TANPF site boundary to the CEO.	Implement the Construction Terrestrial Fauna Management (CTFM) Plan for MINISTER approval. Report on Fauna Found.	CAR. Construction Fauna Found reports. Trench Inspections reports.	CEO	DEC	Pre-construction Construction	Ongoing Fauna Found Report Within 14 days	NR	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE PRODUCTION FACILITY, BURRUP PENINSULA, SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 8.1	Groundwater	The proponent shall undertake detailed hydrogeological studies commencing at least 12 months prior to the commencement of construction to quantify groundwater quality, groundwater flow directions, and the depth to groundwater beneath the TANPF site and in surrounding areas.	Undertake Hydrogeological Studies.	Hydrogeological studies Report.	CEO		Pre-construction	Ongoing	<i>Hydrogeological and Hydrological Investigation</i> , Sep 2011; reference: 0086269.	CTD
870:M 8.2	Groundwater	The proponent shall develop appropriate management measures for dewatering to the satisfaction of the CEO on advice of the DEC and the Department of Water in the event that the information gathered from the hydrogeological studies required by condition 8-1 indicates that dewatering would be required during construction	Prepare the Construction Water Quality Management Plan for MINISTER approval, including if required, dewatering management. Written correspondence.	CAR. Groundwater reports. A copy of correspondence.	CEO	DEC, DoW	Pre-construction	Ongoing	Issuance of <i>Construction Water Quality Management Plan</i> (2-250-329-PRO-TRE-0118) for MINISTER approval.	C
870:M 8.3	Groundwater	The proponent shall design, construct, and locate groundwater monitoring bores to the satisfaction of the CEO on advice of the DEC and the Department of Water, having regard for the outcomes of the hydrogeological studies required by condition 8-1 and the Department of Water's Water Quality Protection Note 30 on Groundwater Monitoring Bores.	Prepare and implement Water Quality Management Plan for MINISTER approval, including groundwater monitoring. Written correspondence.	CAR. Groundwater monitoring report.	CEO	DEC, DoW	Overall	After outcomes of the hydrogeological studies	Issuance of <i>Construction Water Quality Management Plan</i> (2-250-329-PRO-TRE-0118) for MINISTER approval.	C
870:M 8.4	Groundwater	The proponent shall sample/monitor all groundwater bores required by Condition 8-3 every six months and shall set groundwater monitoring trigger values at a value of 10% above the baseline contaminant concentrations obtained from the hydrogeological studies required by condition 8-1.	Implement Water Quality Management Plan, including groundwater monitoring.	CAR. Groundwater reports, records.	CEO		Overall	Every six months	NR	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 8.5	Groundwater	In the event that monitoring required by condition 8-4 indicates an exceedance of trigger levels: 1. The proponent shall report such findings to the CEO within 7 days of the exceedance being identified; 2. The proponent shall provide evidence which allows determination of the cause of the exceedance; 3. If determined by the CEO to be project attributable, the proponent shall submit actions to be taken to address the exceedance within 7 days of the determination being made to the CEO; 4. The proponent shall implement actions to address the exceedance and shall continue until such time as the CEO determines that the remedial actions may cease; and 5. The proponent shall submit bi-annually, or at a frequency defined to the satisfaction of the CEO, the results of monitoring required by condition 8-4 to the CEO, until such time as the CEO determines that reporting may cease.	Implement Water Quality Management Plan, including groundwater monitoring. Written correspondence.	CAR. Groundwater monitoring report, records. A copy of correspondence to CEO advising of any exceedance. A copy of correspondence to CEO submitting remedial action taken.	CEO		Overall	Within 7 days of the exceedance. Monitoring results bi-annually, or a frequency defined by CEO	NR	NR
870:M 8.6	Groundwater	The proponent shall make the monitoring reports required by condition 8-5(5) publicly available in a manner approved by the CEO	Seek approval from CEO for the monitoring reports.	Monitoring reports publicly available as indicated by CEO. A copy of correspondence to CEO.	CEO		Overall	Bi-annually, or a frequency defined by CEO	NR	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE



Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 9.1	Acid Sulphate Soils	The proponent shall undertake intrusive acid sulphate soils investigations prior to the commencement of construction	Undertake intrusive acid sulphate investigations.	Acid Sulphate Investigation Report.	CEO		Pre-construction	Ongoing	<i>Preliminary Acid Sulfate Soil Investigation Report, Augustus 2012.</i> Reference: 0086269. Letter DEC 2012/1504.	CTD
870:M 9.2	Acid Sulphate Soils	In the event that acid sulphate soils are disturbed during construction of the TANPF, the proponent shall treat and manage acid sulphate soils in accordance with the requirements of the DEC's draft guideline on the treatment and management of acid sulfate soils and water in acid sulfate soil landscapes (DEC, 2009) and any subsequent revisions.	Preparation of Acid Sulphate Soils (ASS) Management Plan, if required.	ASS Reports.	CEO	DEC	Construction	After ASS are disturbed	<i>Preliminary Acid Sulfate Soil Investigation Report, Augustus 2012.</i> Reference: 0086269. Letter DEC 2012/1504.	C
870:M 10.	Decommissioning	Prior to undertaking ground-disturbing activities, the proponent shall: 1. describe the rationale for the siting and design of plant and infrastructure as relevant to environmental protection; 2. prepare a conceptual plan of the final landform at closure; 3. prepare a plan for a care and maintenance phase; and 4. prepare an initial plan for the management of noxious materials following closure.	Preparation of Decommissioning Plan.	Decommissioning Report.	CEO		Decommissioning	Prior to undertaking ground-disturbing activities	NR	NR

AUDIT TABLE

Statement Compliance Section

PROJECT: TECHNICAL AMMONIUM NITRATE
PRODUCTION FACILITY, BURRUP PENINSULA,
SHIRE OF ROEBOURNE

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Verification Sep 2012	Status
870:M 10.2	Decommissioning	At least six months prior to the anticipated date of closure, the proponent shall meet the following decommissioning criteria: 1. removal or, if agreed in writing by the appropriate regulatory authority, retention of plant and infrastructure agreed in consultation with relevant stakeholders; and 2. identification of contaminated areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities. Note: Closure is defined as production has ceased and, plant and infrastructure removed, and contaminated areas remediated.	Implementation of Decommissioning Plan.	Decommissioning reports. A copy of correspondence.	Min for Env		Decommissioning	At least six months prior to date of closure	NR	NR

	TAN BURRUP PROJECT	02080	 TECNICAS REUNIDAS
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 21 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

6. SCHEDULE 1 OF MS 870 COMPLIANCE ASSESSMENT – AUDIT TABLE 2

The Schedule 1 of MS 870 Audit Table 2 purpose is to assess compliance with conditions 1-1 of the Ministerial Statement 870 (MS 870) as follows:



The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

6.1 Schedule 1 of MS 870, Summary of Key Proposal Characteristics – Audit Table 2



Note:

- Any elements with status “Audited by proponent only” are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Compliance Status: C = Compliant, CLD = Completed, NA = Not Audited, NC = Non – compliant, NR = Not Required at this stage.

Element	Description	Verification Sep 2011	Status
General			
PROJECT life	20+ years.	Proposal yet to commence.	C
Technical ammonium nitrate production facility (TANPF) capacity	350,000 tonnes of technical ammonium nitrate (TAN) per annum.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Area of PROJECT lease	Site D – 79 hectares.	Proposal yet to commence.	C
Area of disturbance	35 hectares.	≤35 ha Proposal yet to commence.	NR
Main Process Units			
Nitric acid plant	Capacity – 760 tonnes per day.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Ammonium nitrate solution plant	Capacity – 965 tonnes per day.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
TAN prilling plant	Capacity – 915 tonnes per day.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Storage, loading, and transport			
Liquid ammonia pipeline between the TANPF and the adjacent YARA Pilbara Fertilizers PTY Ltd (YPFPL)	710 meters long.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Baggage TAN storage building	Capacity of 1,800 tonnes.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Bulk TAN storage building	Capacity of 12,000 tonnes.	Proposal yet to commence.	C

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 22 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

Element	Description	Verification Sep 2011	Status
TAN bagging facility		In design phase. PROJECT Design Basis; Engineering and Procurement phase.	C
Truck bulk loading system		Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Nitric acid buffer storage	Two tanks with total capacity of 3,000 cubic meters.	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Ammonium nitrate solution storage	One tank with a capacity of 500 tonnes	Proposal yet to commence. PROJECT Design Basis; Engineering and Procurement phase.	C
Wastewater discharge pipeline	Connecting the TANPF to the Water Corporation facility	PROJECT Design Basis; Engineering and Procurement phase.	C
Inputs			
Power Requirement	8.5 MW of which 5 MW will be sourced from the adjacent BFPL ammonia plant and approximately 3.5 MW will be generated by excess steam from the nitric acid plant.	PROJECT Design Basis; Engineering and Procurement phase.	C
Potable water	2 cubic metres per hour from the Water Corporation.	PROJECT Design Basis; Engineering and Procurement phase.	C
Seawater	456 cubic metres per hour from the Water Corporation.	PROJECT Design Basis; Engineering and Procurement phase.	C
Outputs			
Nitrogen oxides (NOX)	Up to 135 t/yr. Nitric acid plant stack - up to 4.2 g/s. Nitric acid plant storage tanks - Vents A & B - up to 0.04 g/s each vent.	PROJECT Design Basis; Engineering and Procurement phase.	C
Nitrous oxide (N2O)	Up to 163.7 t/yr, 5.5 g/s.	PROJECT Design Basis; Engineering and Procurement phase.	C
Carbon monoxide (CO)	Up to 41 t/yr, 1.3 g/s.	PROJECT Design Basis; Engineering and Procurement phase.	C
Methane (CH4)	Up to 17.8 t/yr, 0.6 g/s.	PROJECT Design Basis; Engineering and Procurement phase.	C
Ammonia (NH3)	Ammonium nitrate prilling plant "common stack" - Refer to Condition 5. Nitric acid plant stack - up to 0.02 g/s.	PROJECT Design Basis; Engineering and Procurement phase.	C

	TAN BURRUP PROJECT	02080	 TECNICAS REUNIDAS
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 23 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

Element	Description	Verification Sep 2011	Status
Particulate matter [as total suspended particulates (TSP)]	Ammonium nitrate prilling plant "common stack" - Refer to Condition 5.	PROJECT Design Basis; Engineering and Procurement phase.	C
Sulphur dioxide (SO ₂)	Trace.	Not applicable as per PROJECT Design Basis; Engineering and Procurement phase.	CTD
Carbon dioxide (CO ₂) [produced]	Up to 532.6 t/yr, 17.8 g/s.	PROJECT Design Basis; Engineering and Procurement phase.	C
Total greenhouse gas emissions	Approximately 84,451 tonnes of CO ₂ -e per year.	PROJECT Design Basis; Engineering and Procurement phase.	C
Greenhouse gas intensity	Approximately 0.241 tonnes of CO ₂ -e per tonne of TAN.	PROJECT Design Basis; Engineering and Procurement phase.	C
Wastewater	Up to 3,104 ML of water per year consisting of up to 3000 ML of sea water blowdown per year and up to 104 ML of purified process condensate per year discharged into the Water Corporation's multi user brine return line (MUBRL). Up to 24.6 ML of water per year consisting of air conditioning condensate and rainwater from roofs and the parking area will be sent to the clean water pond for evaporation. Up to 9.75 ML of water per year containing impurities will be sent to the contaminated water pond for evaporation.	PROJECT Design Basis; Engineering and Procurement phase.	C
Solid waste	Up to 120 kilograms per day (organic matter from the off-specification prills).	PROJECT Design Basis; Engineering and Procurement phase.	C

6.2 Schedule 1 of MS 870, References

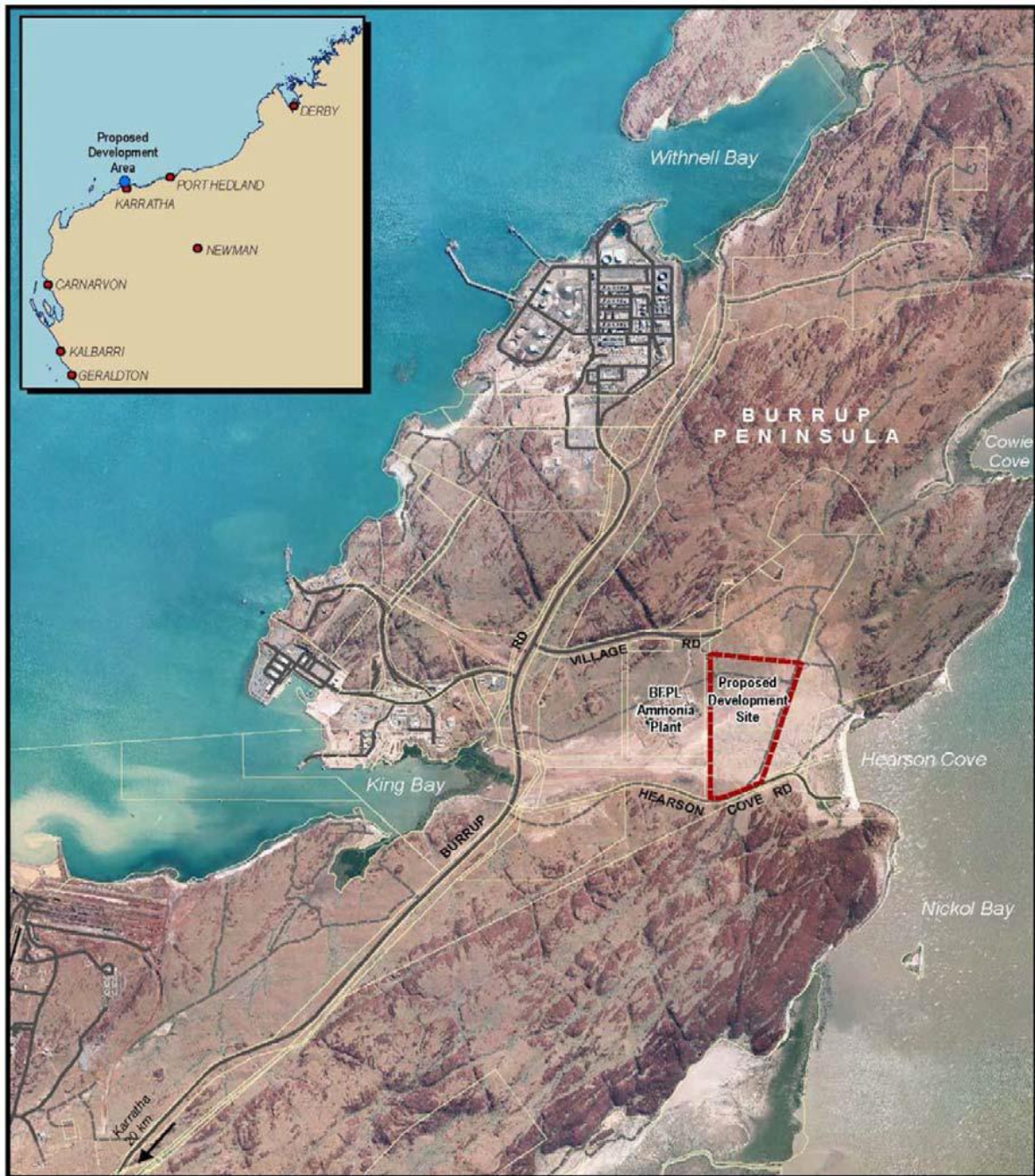
1. Burrup Nitrates Pty Ltd (2010). *Technical Ammonium Nitrate Production Facility Public Environmental Review for Burrup Nitrates Pty Ltd*. January 2010.

6.3 Schedule 1 of MS 870, Figures (attached)

Figure 1: Regional location (Source: Figure 1.1 from Burrup Nitrates Pty Ltd, 2010).

Figure 2: Location plan (Source: Figure 4.2 from Burrup Nitrates Pty Ltd, 2010).

Figure 3 including the Conceptual plant layout (Source: Figure 5.5 from Burrup Nitrates Pty Ltd, 2010) has been updated to current PROJECT PLOT PLAN.



Legend
 Site D Boundary

Client:	Burrup Nitrates Pty Ltd
Project:	PER
Drawing No:	0086209p_GIS01_PER Suffix No: R0
Date:	21/10/2009 Drawing size: A4
Drawn by:	DD Reviewed by: BC
Source:	Base information LANDGATE
Scale:	1:50 000

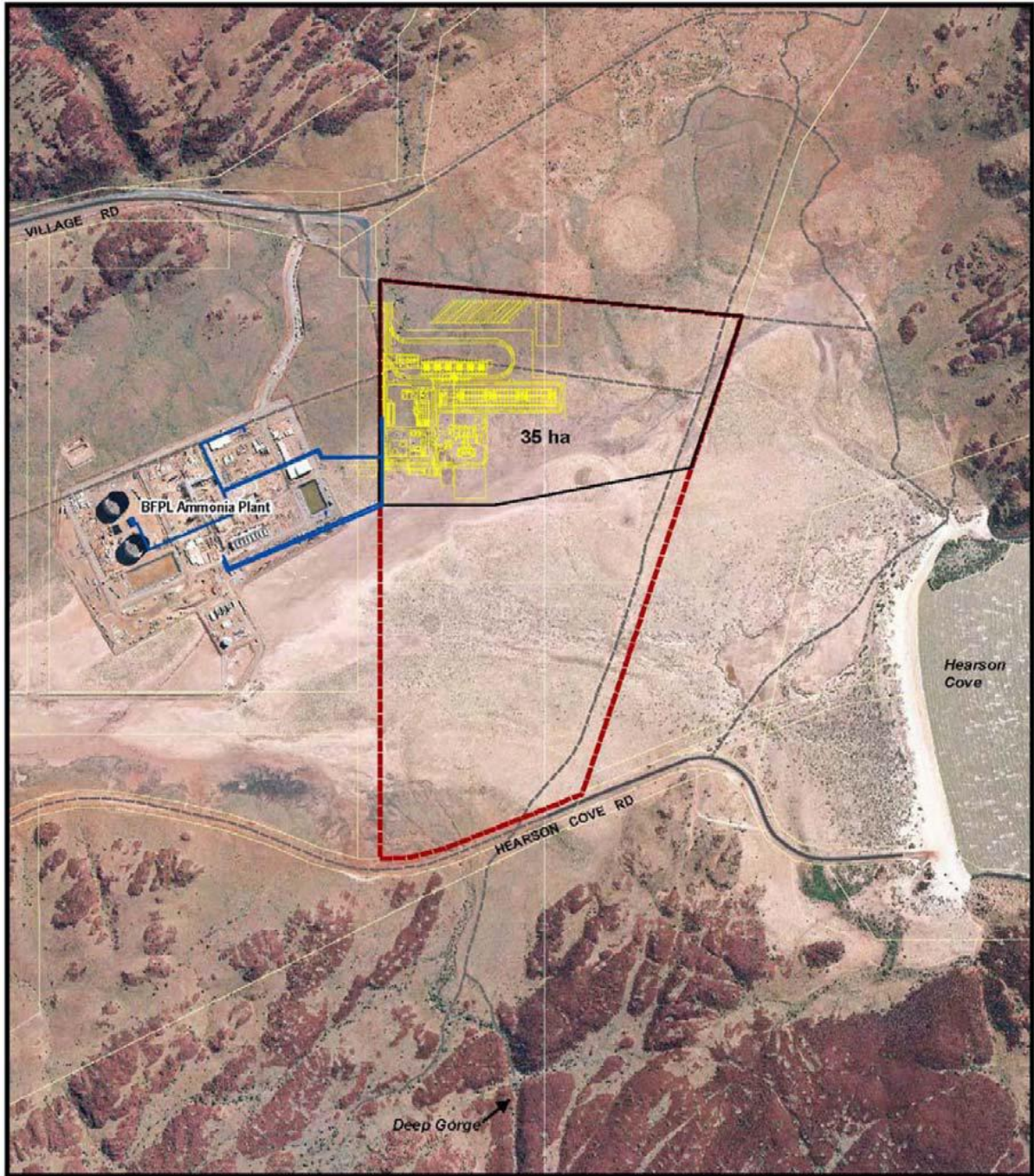






Figure 1.1
Location of TANPF

Environmental Resources Management Australia Pty Ltd
 8th Floor, 172 St Georges Tce, Perth, WA, 6000
 Telephone +61 9 321 5200



Figure 1: Regional location (Source: Figure 1.1 from Burrup Nitrates Pty Ltd, 2010)



- Legend**
-  Site D Boundary
 -  Area of Disturbance (35 ha permanent footprint)
 -  Schematic TANPF Layout
 -  Pipeline

Client:	Burrup Nitrates Pty Ltd
Project:	PER
Drawing No:	0086269p_GIS03_PER Suffix No: R0
Date:	13/10/2009 Drawing size: A4
Drawn by:	DD Reviewed by: BC
Source:	Base information LANDGATE
Scale:	1:20 000

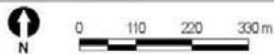


Figure 4.2
Location of the Proposed TANPF

Environmental Resources Management Australia Pty Ltd
 6th Floor, 172 St Georges Terrace, Perth, WA, 6000
 Telephone +61 9 321 5200



Figure 2: Location plan (Source: Figure 4.2 from Burrup Nitrates Pty Ltd, 2010)

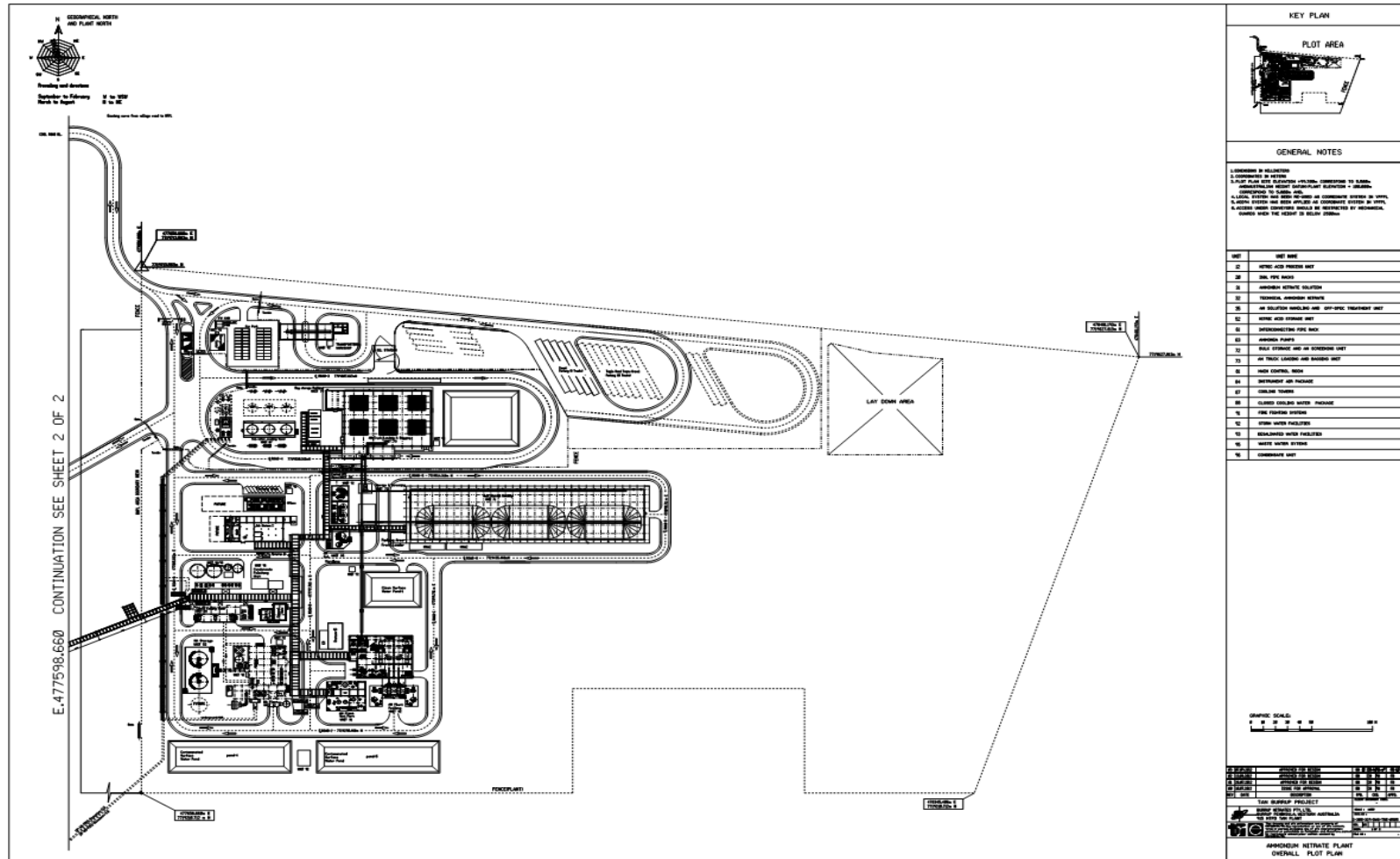




Figure 3: Current plant layout (Source: Ammonium Nitrate Plant Overall Plot Plan, 2-300-329-DWG-TRE-0505, Sep 2012)

	TAN BURRUP PROJECT	02080	
	TAN BURRUP PROJECT COMPLIANCE ASSESSMENT REPORT (MS 870)	PAGE 27 OF 27	
	2-250-329-REP-TRE-8001	REV.: 00	

7. REFERENCES

7.1 Letters/Correspondence

- Letter OEPA 23/Ago/2012 (CAP acceptance), reference: A533490:OEPA2011/000430.
- Letter DEC 2012/1504 (Acid Sulfates Investigation acceptance), reference: 2012/1501.

7.2 Environmental Permitting Approvals

- Burrup Nitrates Pty Ltd (2010). TANPF Public Environmental Review (PER) for Burrup Nitrates Pty Ltd. January 2010.
- BNPL Works approval by DEC (15/07/2011).
- Ministerial Statement 870 under EPA Act (07/07/2011).
- Commonwealth Approval decision under EPBC Act (14/09/2011).

7.3 PROJECT Documents and Records

- PROJECT's EP HSE Plan, Ago 2012; reference: 2-250-329-PRO-TRE-0100.
- PROJECT Air Quality Assessment, Dec. 2009, reference: 0086269RP02-AQ.
- Preliminary Acid Sulfate Soil Investigation Report, Augustus 2011; reference: 0086269.
- Hydrogeological and Hydrological Investigation, Sep 2011; reference: 0086269.
- Construction Air Quality Management Plan, June 2012; reference: 0086269 BPNL TANPF
- Construction Terrestrial Vegetation and Flora Management Plan, Sep 2012, reference: 2-250-329-PRO-TRE-0015.
- Construction Weed Management Plan, Sep 2012, reference: 2-250-329-PRO-TRE-0016.
- Construction Water Quality Management Plan, Sep 2012; reference: 2-250-329-PRO-TRE-0118.