

Running Sheet Summary

Compliance Activity Ref: CA9564

Client

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	73 irrelevant information		07 3024 8998	irrelevant information group.com

Activity Location

Name	Risk Level	Address
McNully Road (8km east of Miles)	2 Low	

Source Ref: CA9564

Action Source Ref:

Date Commenced: 12/MAR/07

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Meeting

Inspection Type: Application

Enforcement Measure Type:

Referral To:

Action: Andrea Schmitt met with QGC consultant S. 73 on site to discuss the proposed development, particularly in regards to the agency's interest, e.g. potential air, dust, noise, water (including surface water, ground water and water storage of CSG water), land, contamination and waste issues on site.

Time Spent Hours: 7

Time Spent Minutes: 0

Outcome: NFA - EPA otherwise satisfied

Outcome Description: Assessment of the DA application by QGC will proceed and no unknown project killers were identified during the site visit. It should be noted that there are no creeks on site, however, there are numerous broad erosion gullies which may collect water during rain events.

Due Date: 12/MAR/07

Date Completed: 12/MAR/07

Compliance Activity Details Report

Compliance Activity Ref: CA9564

Priority/Sensitive: N

Client						
Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street, BRISBANE CITY QLD 4000	s.73 irrelevant information		07 3024 8999	s.73 @b a-group.com

Activity Location		
Name	Risk Level	Address
McNulty Road (8km east of Miles)	2 Low	

Program Type: Licensed Activity

Compliance Program: 2006-07/Licensed Activity/Toowoomba Non-Mining/Environmental Operations/Environmental Operations

Status: Finalised

Info Entered: 13/MAR/07

Project Manager: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Subject: Site visit as part of DA assessment for power station

Admin				
File Ref: TWB4091				
Officer	Role	Start Date	End Date	
SCHMITT, Andrea	Environmental Officer	12/MAR/07	13/MAR/07	

Running Sheet Summary		Accrued Time: 7 hrs 0 mins			
Date Commenced	Due Date	Action Type	Officer Involved	Outcome	Date Completed
12/MAR/07	12/MAR/07	Meeting	SCHMITT, Andrea	NFA - EPA otherwise satisfied	12/MAR/07

Related Permits					
Ref	Type	Client	Location	Issued Date	Status
ENRE00693707	Registration - suitability report not required	QGC Pty Limited	McNulty Road (8km east of Miles)		Superseded
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	Department of Communities	McNulty Road (8km east of Miles)		Superseded
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	Department of Communities	McNulty Road (8km east of Miles)		Superseded
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	McNulty Road (8km east of Miles)		Cancelled
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	McNulty Road (8km east of Miles)		Superseded
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	McNulty Road (8km east of Miles)		Superseded
IPCE00549207A 11	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	McNulty Road (8km east of Miles)		Superseded



Running Sheet Summary

Compliance Activity Ref: CA21286

Client						
Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street, 73 BRISBANE CITY QLD 4000	irrelevant information		07 3024 8999	s.73@bg-group.com

Activity Location		
Name	Risk Level	Address
36 Power Station Road COLUMBOOLA QLD 4415	4 High	

Source Ref: CA21286

Action Source Ref:

Date Commenced: 19/AUG/10

Officer Involved: CASE, Heidi

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Site Inspection - Level B

Inspection Type: Proactive - Initial

Enforcement Measure Type:

Referral To:

Action: The purpose of the inspection was to check compliance with two DA's - one was for ERA 60 - waste storage and the other DA was for the remaining ERA's - chemical storage, powerstation, STP, waste storage. One ERA 60 was for lot 49 and the other ERA 60 for lot 48. This was the first inspection of the site since commission. Commission was at the beginning on August 2010. Inspection was also done on clients request in regards to discussion to potential amendments to the DA's.

Erosion from surface water run-off during rain events on a sparsely vegetated, sloped area between the cooling tower and the adjacent bushland are likely to cause transport of fine sand/ topsoil into the adjacent bushland. Erosion protection measures should be set-up as per condition (D4 of IPCE00549207A11).

Time Spent Hours: 20

Time Spent Minutes: 0

Outcome: Action Required - further investigation

Outcome Description: The client enquired about combining the registration certificates realising that the registration certificate held by Austrian Energy for the Powerstation and the STP need to be transferred into QGC's name first.

ERA 14(1), 8(1), 60 were found to be in compliance with DA conditions. For ERA 63 2(a) the site inspection revealed that the treated effluent was being discharged to land without authorisation under the current DA. Erosion control measures (e.g. contouring of land and revegetation) will be recommended for the sparsely vegetated area between the cooling tower and the adjacent bushland area. A letter will be sent to the client to inform of non-compliance issue on-site and request a response. Amendment of the DA's was also discussed in change in capacity of the evaporation pond on Lot 49.

Due Date:

Date Completed: 20/AUG/10

Source Ref: CA21286

Action Source Ref:

Date Commenced: 10/MAY/12

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Permit Amendment

Inspection Type:

Enforcement Measure Type:

Referral To:

Running Sheet Summary

Action: Transfer of the registration certificate from Austrian Energy (building the power plant) to QGC (operator of the plant).

Time Spent Hours: 0

Time Spent Minutes: 30

Outcome: NFA

Outcome Description: Registration certificate now held in QGC's name.

Due Date:

Date Completed:

EHP RTI DL Release

Compliance Activity Details Report

Compliance Activity Ref: CA21286

Priority/Sensitive: N

Client

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	S.73 irrelevant information		07 3024 8999	s.73 @b g-group.com

Activity Location

Name	Risk Level	Address
36 Power Station Road CUMBOOLA QLD 4415	4 High	

Program Type: Environment

Compliance Program: 2010-11/Environment/ERA inspections/Environmental Services

Status: Finalised

Info Entered: 20/AUG/10

Project Manager: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Subject: Condamine Power Station initial post-comission compliance site inspection

Admin

File Ref: TWB 4091

Officer	Role	Start Date	End Date
SCHMITT, Andrea	Environmental Officer	19/AUG/10	10/MAY/12
CASE, Heidi	Environmental Officer	19/AUG/10	10/MAY/12

Running Sheet Summary

Accrued Time: 20 hrs 30 mins

Date Commenced	Due Date	Action Type	Officer Involved	Outcome	Date Completed
19/AUG/10		Site Inspection - Level B	CASE, Heidi	Action Required - further investigation	20/AUG/10
10/MAY/12		Permit Amendment	SCHMITT, Andrea	NFA	

Related Compliance Activity

Ref	Type	Information Entered	Client	Activity Location
CA21296	Environment	20/AUG/10	QGC Pty Limited	36 Power Station Road CUMBOOLA QLD 4415

Related Permits

Ref	Type	Client	Location	Issued Date	Status
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded - Greentape
ENRE00693707	Registration - suitability report not required	S.73 irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	S.73 irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded - Greentape
EPPR00968513	Environmental Authority (Site Specific)	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current
EPPR00968513	Environmental Authority (Site Specific)	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
EPPR00968513	Environmental Authority (Site Specific)	S.73 irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Current
EPPR00968513	Environmental Authority (Site Specific)	S.73 irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Cancelled
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00980010	Concurrence Response for MCU.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current
SPCE00980010	Concurrence Response for MCU.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current



Queensland Government
Environmental Protection Agency
Queensland Parks and Wildlife Service

Compliance Activity Details Report

Compliance Activity Ref: CA21295

Priority/Sensitive: N

Client

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	s.73 irrelevant information		07 3024 8999	s.73 @b g-group.com

Activity Location

Name	Risk Level	Address
Lot 48 and 49 McNulty Road 8km east of Miles	4 High	

Program Type: Environment

Compliance Program: 2010-11/Environment/ERA Inspections/Environmental Services

Status: Finalised

Info Entered: 26/AUG/10

Project Manager: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Subject: Waste disposal pond site inspection

Admin

File Ref: TWB4091

Officer	Role	Start Date	End Date
SCHMITT, Andrea	Environmental Officer	19/AUG/10	11/APR/11
CASE, Heidi	Environmental Officer	19/AUG/10	11/APR/11

Running Sheet Summary

Accrued Time: 20 hrs 0 mins

Date Commenced	Due Date	Action Type	Officer Involved	Outcome	Date Completed
19/AUG/10		Site Inspection - Level B	SCHMITT, Andrea	Action Required - awaiting response	19/AUG/10
11/APR/11		Letter - received	CASE, Heidi	NFA - activity in compliance	11/APR/11

Related Complaints/Reports

Ref	Complainant	Alleged Source	Incident Location	Received Date
CR49438	QGC Pty Limited	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles	01/JUL/10

Related Compliance Activity

Ref	Type	Information Entered	Client	Activity Location
CA23252	Environment	26/AUG/10	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles
CA28767	Environment	26/AUG/10	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles

Related Permits

Ref	Type	Client	Location	Issued Date	Status
ENRE00797008	Registration - suitability report not required	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded
ENRE00797008	Registration - suitability report not required	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded
ENRE00797008	Registration - suitability report not required	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded
ENRE00797008	Registration - suitability report not required	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded - Greentape
ENRE00797008	Registration - suitability report not required	Rolfe, Michael	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded
ENRE00797008	Registration - suitability report not required	s.73 irrelevant information	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded
ENRE00797008	Registration - suitability report not required	s.73 irrelevant information	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded - Greentape
EPPR00972213	Environmental Authority (Site Specific)	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Current
EPPR00972213	Environmental Authority (Site Specific)	s.73 irrelevant information	Lot 48 and 49 McNulty Road 8km east of Miles		Current
IPCE01006508	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Current
IPCE01006508	Concurrence Response for a MCU involving an ERA	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles		Superseded

Running Sheet Summary

Compliance Activity Ref: CA21295

Client						
Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street, 73 BRISBANE CITY QLD 4000	irrelevant information		07 3024 8999	s.73@bg-group.com

Activity Location		
Name	Risk Level	Address
Lot 48 and 49 McNulty Road 8km east of Miles	4 High	

Source Ref: CA21295

Action Source Ref:

Date Commenced: 19/AUG/10

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Site Inspection - Level B

Inspection Type: Proactive - initial

Enforcement Measure Type:

Referral To:

Action: The Development Permit was granted in 2008 for a 2000ML waste disposal pond at Lot 49 on BWR138 to store and evaporate saline waste from the adjacent Condamine Power Station.

Time Spent Hours: 20

Time Spent Minutes: 0

Outcome: Action Required - awaiting response

Outcome Description: Generally the site is in compliance with the conditions of DA IPCE01006508), however to date no 'as constructed' drawings and certification from a suitably qualified and experienced person have been received by the department. A letter will be written to the client to remind them of their duty to submit the above documents in accordance with condition H13.

Due Date:

Date Completed: 19/AUG/10

Source Ref: CA21295

Action Source Ref:

Date Commenced: 11/APR/11

Officer Involved: CASE, Heidi

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Letter - received

Inspection Type:

Enforcement Measure Type:

Referral To:

Action: See file.
CPS has now addressed all outstanding compliance issues

Time Spent Hours:

Time Spent Minutes:

Outcome: NFA - activity in compliance

Outcome Description: NFA

Due Date:

Running Sheet Summary

Date Completed: 11/APR/11

EHP RTI DL Release

Compliance Activity Details Report

Compliance Activity Ref: CA21296

Priority/Sensitive: N

Client

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	S.73 irrelevant information		07 3024 8999	S.73 @b g-group.com

Activity Location

Name	Risk Level	Address
36 Power Station Road CUMBOOLA QLD 4415	4 High	

Program Type: Environment

Compliance Program: 2010-11/Environment/ERA inspections/Environmental Services

Status: Finalised

Info Entered: 26/AUG/10

Project Manager: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Subject: Follow-up site inspection to investigate the extend of the water spill

Admin

File Ref: TWB 4091

Officer	Role	Start Date	End Date
SCHMITT, Andrea	Environmental Officer	19/AUG/10	26/AUG/10
CASE, Heidi	Environmental Officer	19/AUG/10	26/AUG/10

Running Sheet Summary

Accrued Time: 20 hrs 0 mins

Date Commenced	Due Date	Action Type	Officer Involved	Outcome	Date Completed
19/AUG/10		Site Inspection - Level B	SCHMITT, Andrea	NFA - EPA otherwise satisfied	19/AUG/10

Related Compliance Activity

Ref	Type	Information Entered	Client	Activity Location
CA21286	Environment	26/AUG/10	QGC Pty Limited	36 Power Station Road CUMBOOLA QLD 4415

Related Permits

Ref	Type	Client	Location	Issued Date	Status
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Austrian Energy & Environment (Australia) Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded - Greentape
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
ENRE00693707	Registration - suitability report not required	irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded - Greentape
ENRE00693707	Registration - suitability report not required	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current
EPPR00968513	Environmental Authority (Site Specific)	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
EPPR00968513	Environmental Authority (Site Specific)	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
EPPR00968513	Environmental Authority (Site Specific)	irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded
EPPR00968513	Environmental Authority (Site Specific)	irrelevant information	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Cancelled
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00979910	Concurrence Response for a MCU involving an ERA.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Superseded
SPCE00980010	Concurrence Response for MCU.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current
SPCE00980010	Concurrence Response for MCU.	Condamine Power Station Pty Ltd	36 Power Station Road CUMBOOLA QLD 4415		Current



Running Sheet Summary

Compliance Activity Ref: CA21296

Client						
Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	s.73 irrelevant information		07 3024 8999	s.73 @bg-group.com

Activity Location		
Name	Risk Level	Address
36 Power Station Road COLUMBOOLA QLD 4415	4 High	

Source Ref: CA21296

Action Source Ref:

Date Commenced: 19/AUG/10

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Site Inspection - Level B

Inspection Type: Reactive - initial

Enforcement Measure Type:

Referral To:

Action: On 27 July 2010 a spill from the cooling tower on site of the Condamine Power Station occurred. It was estimated approximately 22000L of water (pH of 8.7 and TDS of approximately 11600 uS/cm) overflowed from the cooling tower basing and spilled onto a sloped, sparsely vegetated area between the cooling tower and the adjacent bushland.

Time Spent Hours: 20

Time Spent Minutes: 0

Outcome: NFA - EPA otherwise satisfied

Outcome Description: An area of approximately 100m (length) x 60m (width) experienced sheet erosion due to the surface water run-off during the spill. The run-off also caused transport of fine sediment/ topsoil into the adjacent bushland. The sediment deposit is not considered to cause adverse effects on regrowth/vegetation in the area, however, the erosion issue on site (area between the cooling tower and the adjacent bushland) should be dealt with to avoid erosion from surface water run-off during rain events. A letter will be sent to the client, as part of the compliance site inspection follow-up on 19 August 2010 and the erosion issue on site will be raised in this letter. No other issues were noticed as a consequence of the water spill. Groundwater monitoring results should be checked on to see whether any unusual elevation of salinity can be detected, although that given recent rainfall events this may be unlikely.

Due Date:

Date Completed: 19/AUG/10

Running Sheet Summary

Complaint/Report Ref: CR49438

Complainant

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	s.73 irrelevant information		07 3024 8999	s.73 s@bg-group.com

Alleged Source

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	s.73		07 3024 8999	s.73 @bg-group.com

Incident Location

Name	Risk Level	Address
Lot 48 and 49 McNulty Road 8km east of Miles	4 High	

Source Ref: CR49438

Action Source Ref:

Date Commenced: 01/JUL/10

First Action: Y

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Email Received

Inspection Type:

Enforcement Measure Type:

Referral To:

Action: QGC is relevant information the SW Regional Manager Chris Hill of a water spill from the cooling tower on site of Lot 48 on BWR138 (Condamine Power Station). Initial estimate of escaped water is 25tonnes; pH 8.7 and EC 11600uS/cm.

Time Spent Hours: 0

Time Spent Minutes: 30

Outcome: Action Required - further investigation

Outcome Description: Follow-up on cause of spill and carry out site inspection.

Due Date:

Date Completed: 01/JUL/10

Source Ref: CR49438

Action Source Ref:

Date Commenced: 14/JUL/10

First Action: N

Officer Involved: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Action Type: Letter - received

Inspection Type:

Enforcement Measure Type:

Referral To:

Action: QGC is relevant information to the department as a written and formal incident notification and to detail the cause of the water spill at the Condamine Power Station on 27 June 2010.

Time Spent Hours: 0

Running Sheet Summary

Time Spent Minutes: 30

Outcome: Action Required - further investigation

Outcome Description: Carry out site inspection to check on extend of spill.

Due Date:

Date Completed: 14/JUL/10

EHP RTI DL Release



Complaint/Report Details

Complaint/Report Ref: CR49438

Priority/Sensitive: N

Complainant

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	S.73 irrelevant information		07 3024 8999	S.73 @b q-group.com

Alleged Source

Ref	Name	Address	Phone	Mobile	Fax	Email
346624	QGC Pty Limited	Level 30, 275 George Street BRISBANE CITY QLD 4000	S.73 irrelevant information		07 3024 8999	S.73 @b q-group.com

Incident Location

Name	Risk Level	Address
Lot 48 and 49 McNulty Road 8km east of Miles	4 High	

Type: Incident

Nature: Land - GENERAL

Received Date: 01/JUL/10

Receiving Officer: SCHMITT, Andrea

Receiving Office: ES - Reg Serv - Western - Twba - EPA

Status: Finalised

Origin: Notification by source

Notification Method: Email

Project Manager: SCHMITT, Andrea

Responsible Office: ES - Reg Serv - Western - Twba - EPA

Description

Event On/From Date:	Event On/From Time:	Received Time:	Ongoing: N	Print Related Permits:
Event To Date:	Event To Time:			
Description				

Admin

File Ref: TWB4091

Officer	Role	Start Date	End Date
SCHMITT, Andrea	Environmental Officer	01/JUL/10	26/AUG/10
SPALDING, Rob	Environmental Officer	01/JUL/10	26/AUG/10
CASE, Heidi	Environmental Officer	01/JUL/10	26/AUG/10

Running Sheet Summary

Accrued Time: 1 hrs 0 mins

First Action	Date Commenced	Due Date	Action Type	Officer Involved	Outcome	Date Completed
Y	01/JUL/10		Email Received	SCHMITT, Andrea	Action Required - further investigation	01/JUL/10
	14/JUL/10		Letter - received	SCHMITT, Andrea	Action Required - further investigation	14/JUL/10

Related Compliance Activity

Ref	Type	Information Entered	Client	Activity Location
CA21295	Environment	26/AUG/10	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles
CA23252	Environment	19/JUL/11	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles
CA28767	Environment	22/JUL/13	QGC Pty Limited	Lot 48 and 49 McNulty Road 8km east of Miles

Department of Environment and Resource Management

Compliance Inspection Report

Inspection Details

Date of Compliance Inspection: 19 August 2010

Compliance Inspection Reason: 2010-2011 Environmental Services Compliance Program

Compliance Inspection Type: B

Compliance Level of Site: 1

Ecotrack Compliance Action CA21286, CA21295, CR49438 and CA21296

Licence Holder / Operator Details

Licensee and/or Company Name: Queensland Gas Company (QGC)

Development Approval No.: IPCE00549207A11 (Lot 48 – numerous ERAs)

Environmentally Relevant Activities:

IPCE00549207A11: ERA 8 Threshold 3(a) – chemical storage
 ERA 63 Threshold 2(a) – sewage treatment
 ERA 15 – Fuel burning
 ERA 14 Threshold 1 – electricity generation
 ERA 7 Threshold 5 (d) – chemical manufacturing, processing or mixing
 ERA 8 Threshold 2 – chemical storage
 ERA 60 Threshold 1(d) – regulated waste disposal
 ERA 55 – regulated waste recycling or reprocessing

Site Address: Lot 48 on BWR138 - Condamine Power Station

Name and Position of Contact Person: s.73 (QGC) – Manager Environment Operations - s.73
 s.73 (QGC) – Environmental Assistant – s.73

Summary

A site inspection was conducted to assess compliance with the conditions of both relevant development approvals (IPCE00549207A11 and IPCE01006508) as part of the department's 2010-2011 Annual Compliance Program for Environmental Services, as well as to investigate site status following an unauthorised and uncontrolled spill to land on 28 June 2010. QGC Pty Ltd also wishes to amalgamate the two registration certificates currently held (ENRE00693707 and ENRE00797008), once ERAs 63, 15, 14 and 8 have been transferred from Austrian Energy (AE&E – the construction company) back to QGC Pty Ltd (who transferred these ERAs to AE&E prior to commencement of construction of the power station).

General description of the site and the surrounding environment

The compliance inspection was conducted on site of the 150MW coal-seam gas-fuelled base load combined cycle power station at Lot 48 on BWR138, McNulty Road, approximately 8km east of Miles. CSG is provided by near-by QGC owned gas fields.

The total area of the land of Lot 48 is approximately 518 ha and is zoned "Rural" under the local government's planning scheme. Previous clearing has occurred on this site for the use of grazing in the area. Some more clearing was required in association with the MCU for the power station, however, the remnant vegetation in this regional ecosystem on site has been mapped "not of concern" and typically consists of mixed regrowth vegetation. Similarly, no fauna of conservation significance has been recorded at this site.



Photo 1

The footprint of the power station is approximately 3 ha, which includes all related permanent structures, e.g. reverse osmosis plant, storm water containment facilities, administration and workshop buildings, staff amenities, water treatment plant and water storage components).

The site is currently not listed on the Environmental Management Register (EMR) or the Contaminated Land Register (CLR). The client should be made aware of the requirement to notify the department and ensure a listing of the land due to the notifiable activity being carried out on site.

The site is authorised to carry out a number of ERAs, including:

- ERA 63 Threshold 2(a) – sewage treatment**
- ERA 60 Threshold 1(d) – regulated waste disposal**
- ERA 14 Threshold 1 – electricity generation**
- ERA 8 Threshold 2 – chemical storage**
- ERA 55 – regulated waste recycling or reprocessing
- ERA 15 – Fuel burning
- ERA 7 Threshold 5 (d) – chemical manufacturing, processing or mixing
- ERA 8 Threshold 3(a) – chemical storage (crude oil and petroleum storage)

During the site inspection the first four ERAs (highlighted in bold) were found to be conducted on site and therefore the operation of these ERAs were inspected on the day.

The first ERA inspected was **ERA 63 Threshold 2(a) – sewage treatment**. The on-site STP – the plant is designed for approximately 40 people (approximately 10 staff are on site at any one time). The effluent is treated in two below ground treatment tanks (using chlorine) (Photo 2) before the effluent is discharged onto a piece of land (approximately 25m x 25m), approximately 300m west of the power station in bushland (Photo 3). The volume of the daily discharge to land is unknown.

STP below ground treatment tanks



Photo 2

Treated effluent irrigation site (west of the power station; east of the Warrego HWY)

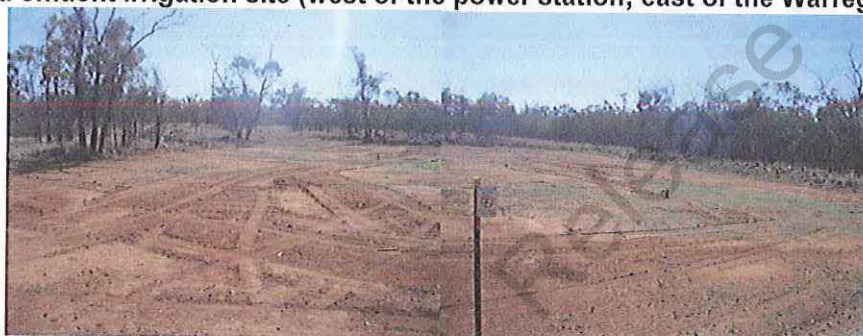


Photo 3

During the site inspection DERM staff checked on which conditions related to the discharge of effluent to land. No conditions permitting effluent discharge to land are contained in the DA and therefore the discharge to land is unlawful. It is recommended that the client be formally informed of this and requested to propose how effluent will be lawfully managed on site. This could either include making an amendment application (change of conditions) or using a regulated waste transport business to pump out the treatment tanks on a regular basis.

ERA 60 Threshold 1(d) – regulated waste disposal is carried out at Condamine Power Station Pond I (CPS Pond I). The pond is located on Lot 48 and has a capacity of approximately 280ML (Photo 4). In Schedule H – Table 2 – *Basic details of regulated dams* this high hazard category pond is authorised for a maximum volume of 2000ML for the purpose of storing and evaporating saline water from the Condamine Power Station. DERM staff was informed during the site visit that due to geological limitations on site, the dam construction proceeded but for a much smaller pond. Therefore, the DA should be amended accordingly by seeking an amendment application from the client. Spillway depth of this pond is 6 m whereas MRL (mandatory reporting level) is at 5.6 m (Photo 5). At the time of inspection there was no waste discharge into the pond, as any waste water from the power station was diverted at the T-section at CPS Pond I to go to CPS Pond II (Photo 6).

CPS Pond I is an above ground HDPE pond which is fully enclosed with fencing. Within the fencing enclosure a smaller pond (approximately 20m x 20m) is located (Photo 7). DERM staff was advised that this pond is operated and maintained by other QGC operations on site (for petroleum and gas activities). s.73 irrelevant information said that whilst there is a pipeline from the smaller QGC pond to CPS Pond I (red circle in Photo 8) which allows discharge of contents from the smaller to the larger pond, this has not occurred to date.

A leak detection system has been installed for CPS Pond I, where any leakage from the pond is diverted into a smaller pond (located lower than CPS Pond I) (Photo 9). Any water in this lined pond can be tested for salinity and elevated salinity would indicate leaking from CPS Pond I. Also, shallow monitoring bores have been installed around the pond to test for any leakage from the pond (Photo 10). Any uncontaminated stormwater run-off from land is diverted around the pond and into a small sedimentation pond (Photo 11), primarily designed as a settlement pond rather than pond for collecting surface water run-off.

Condamine Power Station Pond I

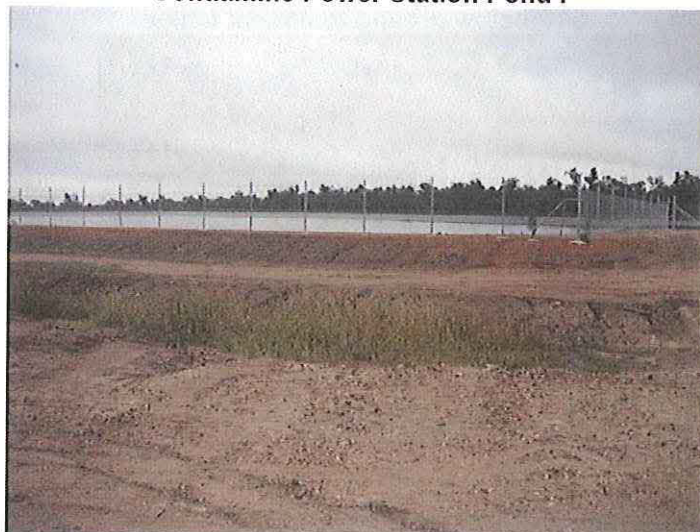


Photo 4

Smaller QGC pond within the CPS Pond I enclosure



Photo 5

T-intersection for diversion of waste water into CPS Pond I and CPS Pond II



Photo 6

QGC pond within the enclosure of CPS Pond I



Photo 7

QGC pond within the enclosure of CPS Pond I



Photo 8

Leakage detection pond for CPS Pond I

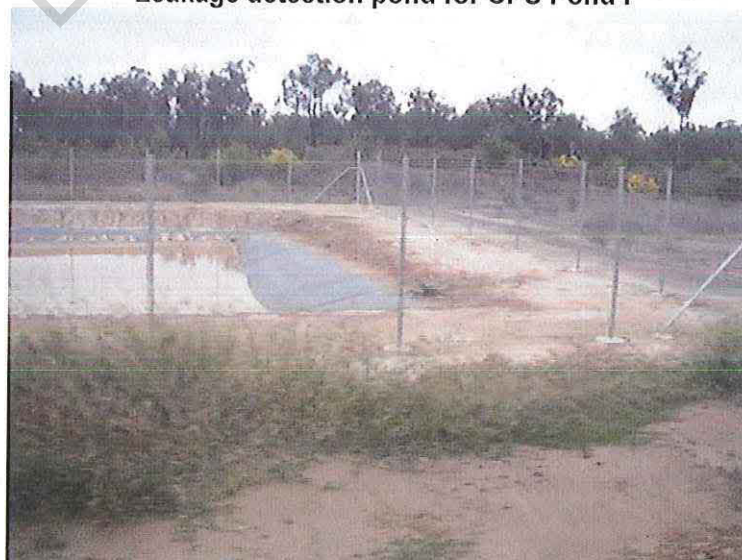


Photo 9

Shallow monitoring bore for CPS Pond I

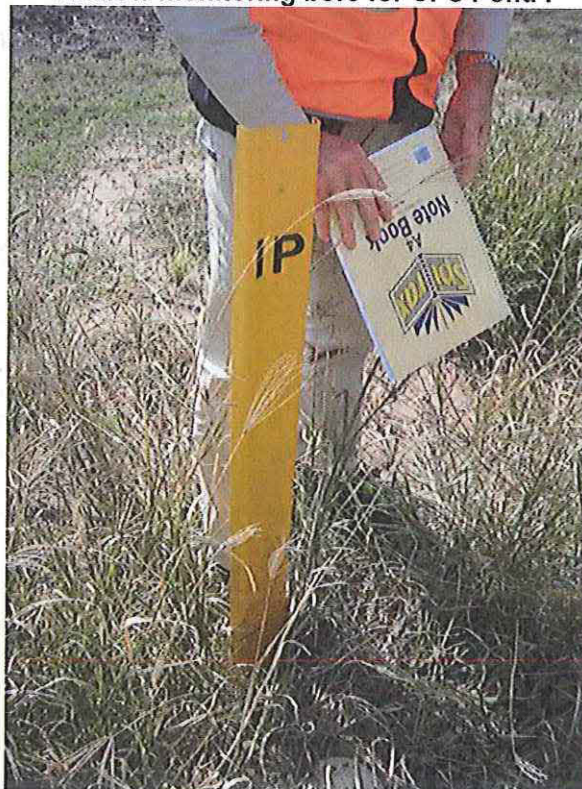


Photo 10

Sedimentation pond for diverted surface water run-off



Photo 11

The Condamine Power Station (Photo 12), authorised as **ERA 14 Threshold 1 – power generation** was commissioned in August 2010. The construction company (Austrian Energy) submitted air emission testing (as required in accordance with conditions C4 and C12 of DA IPCE00549207A11. The emission testing was for NO_x emissions from generator stacks A1 and A2 and was found to be in compliance with the emission limits (25ppmV at 15% O₂ reference). All trafficable areas on site of the power station are sealed (as per DA requirement). To date neither the department nor QGC have had any noise and/or dust nuisance complaints regarding this site. At the time of the site inspection, the power station was running continuously as a combined cycle plant, thus running gas turbines in combination with steam turbines (Photo 13).

Condamine Power Station (viewed from the east)



Photo 12

Steam turbine (within turbine housing)



Photo 13

As part of running the Condamine Power Station (Photo 11) **ERA 8 Threshold 2 – chemical storage** is required to store a variety of chemicals on site. Types of chemicals stored on site include:

- 4000L Aluminium Chlorhydrate (a flocculant used in the waste water treatment process) (Photo 14)
- 1000L Hydrex (anti-scalent for the RO process)
- 12000L sulphuric acid (for blowdown water treatment) (Photo 15)
- 5000L Turbo oil
- 1000L diesel (for operation of the emergency diesel generator)

and many more chemicals. The department obtained a copy with all types of chemicals and volumes held on site. No non-compliance issues were found regarding the chemical storage on site. Chemicals were generally either stored in a self-bunded chemical storage shed (on a gravelled ground) or were stored in bunded hard-stand areas (some of these areas were also roofed).

Any waste oil accumulating from the oil separator process on site is stored in a in-ground, concreted containment area which is periodically pumped out by a regulated waste transport company (Photo 16).

Aluminium Chlorhydrate tanks (each containing about 1000L)



Photo 14

Hydrex (required for RO process)

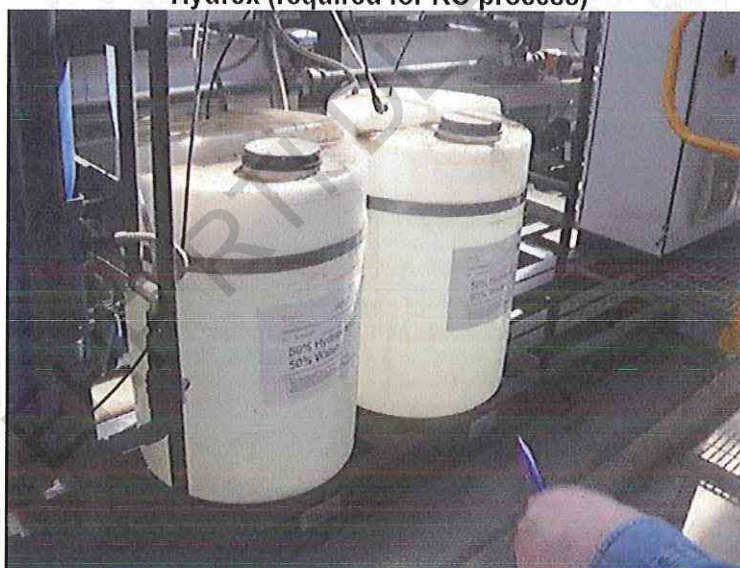


Photo 15

Oil separator (waste oil storage compartment)

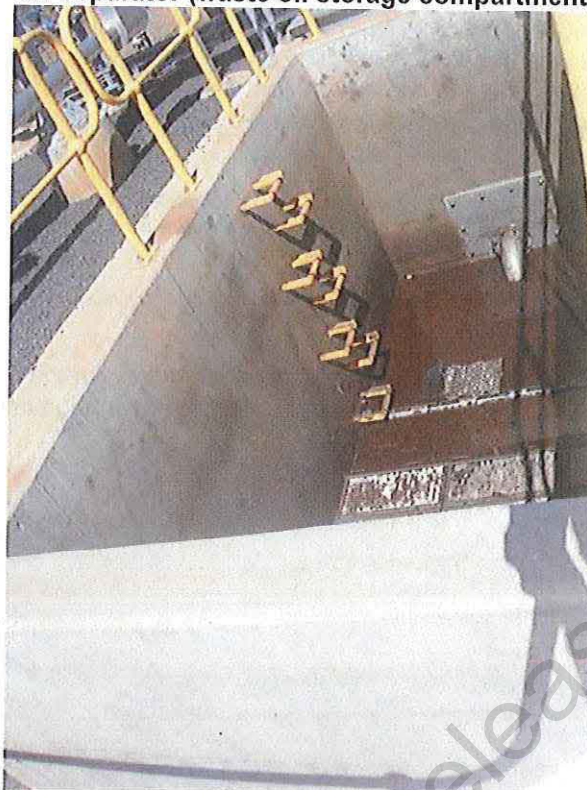


Photo 16

Development Approval No.:

IPCE00549207A11 (Lot 48 – numerous ERAs)

Environmentally Relevant Activities:

IPCE01006508: ERA 60 Threshold 1(d) – regulated waste disposal

Site Address: Lot 49 on BWR138 - Condamine Power Station

ERA 60 Threshold 1(d) – regulated waste disposal is carried out on the lot adjacent to the Condamine Power Station. This regulated dam, Condamine Power Station Pond II (CPS Pond II) is also used for the storage and evaporation of saline water from the Condamine Power Station. In the original DA the authorised maximum storage capacity of the dam was 2000ML, which was wrongly amended in 2009 by the department to 200ML. It is recommended that a Notice be sent to QGC to formally rectify the erroneous amendment which then would leave DA IPCE01006508 as authorisation for a 2000ML evaporation pond (as per original application).

The pond is located on Lot 49 and the original proposed pond capacity is 2000ML. In the submitted design report for CPS Pond II in September 2009 it was proposed that the pond would consist of three bunded and lined cells with nominal capacities of 230ML, 235ML and 1535ML. In the relevant DA in Schedule H – Table 2 – *Basic details of regulated dams* this high hazard category pond is authorised for a maximum volume of 2000ML for the purpose of storing and evaporating saline water from the Condamine Power Station.

The site is currently not listed on the Environmental Management Register (EMR) or the Contaminated Land Register (CLR). The client should be made aware of the requirement to notify the department and ensure a listing of the land due to the notifiable activity being carried out on site.

On the day of the compliance inspection two of the three cells had been constructed (amounting to a current pond capacity of approximately 465ML (Photo 17). The pond has been constructed above ground and is fully enclosed with fencing. The pond was already in operation on the day of the inspection. DERM staff reminded QGC representatives on site that as of yet by the department had not received either a "as constructed" drawing or certification by a suitably qualified and experienced person in accordance with condition H13 of the DA:

(H13) – When construction or modification of any regulated dam is complete, the holder of this approval must submit to the administering authority a set of 'as constructed' drawings and a certification by a suitably qualified and experienced person that either:

- a) the construction is substantially as per the accepted design plan; or*
- b) the 'as constructed' plan is compliant in all respects with this authority or approval, and in accordance with accepted engineering standards.*

It is therefore recommended that a letter be sent to QGC reminding them of their obligation to comply with the conditions set-out in the DA and that the timely submission of relevant documentation (drawing and certification) is requested.

Condamine Power Station Pond II

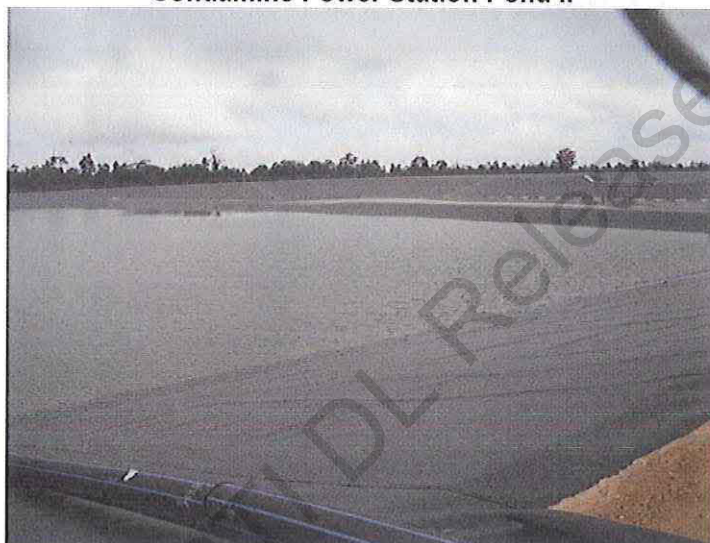


Photo 17

The mandatory reporting level (MRL) is designed for a 1:100AEP, 72hr event and the MRL is 0.3m below the spillway invert. Therefore, if rainfall was to exceed the MRL and reach the spillway, pond contents would escape through the spillway invert. Typical the conductivity received in the water from the Condamine Power Station is approximately 28400 μ S/cm. The conductivity may vary due to evaporative losses and rainfall, but it is expected that generally conductivity in the pond will increase of the years of operation. In the event of water spilling from the spillway (Photo 18a) the flow would be conveyed to the north (Photo 18b) of the headwaters of a tributary of Cameby Creek at approximately 3m³/s. The spillway chute is lined with grey geofabric to stop the large rocks placed on top of it (Photo 19) from slipping/rolling during an unplanned release event. Rocks have been placed in the spillway chute to slow down the spillway flow to reduce erosion during flow and also filter some of the suspended solids in the water. It is assumed that with a TDS concentration of approximately 18000ppm in the pond during an unplanned overflow event the TDS concentration would be decreased to approximately 16000ppm due to dilution of the pond contents with rainwater (according to the QGC design report).

Spillway design of the CPS Pond II (a: view of design at the pond and b: view of spillway running towards forest land)

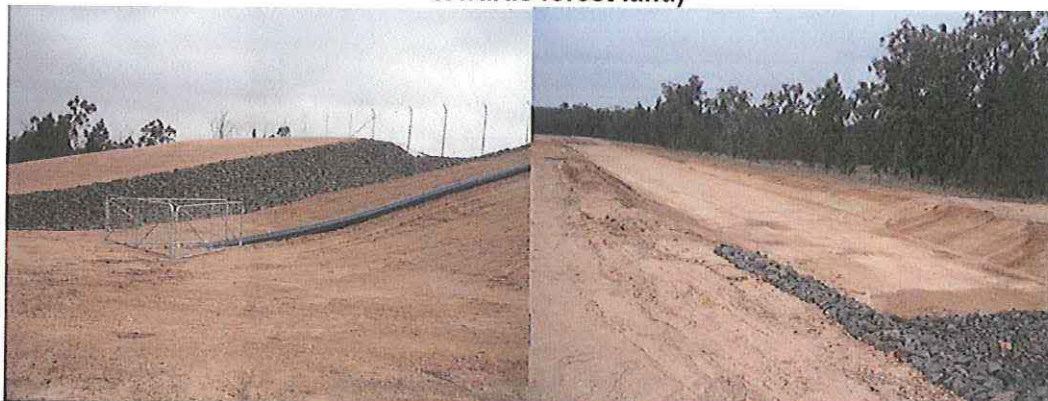


Photo 18a

Photo 18b

(Grey) Geofabric lining and rocks on the spillway chute of the CPS Pond II



Photo 19

Another purpose of the site visit was to investigate the location of a spill on site of Lot 48.

On 27 June 2010 cooling water from the cooling water tower (Photo 20) spilled to land on site of the power station. Due to the slope the water was flowing overland towards and into a bushland section carrying with it sediment from the sparsely vegetated area (Photo 21).

Cooling tower at the Condamine Power Station



Photo 20

Sparsely vegetated land which experienced spill run-off from the cooling tower



Photo 21

As a result of a significant amount of water (approximately 22000L) flowing over the sparsely vegetated area, widespread sheet-erosion over an area of approximately 100m (length) x 60m (width) was caused on the land between the cooling tower and the adjacent bushland (Photo 22), dislocating fine sediment/topsoil in the process and transporting it into the adjacent bushland area (Photo 22).

Sheet erosion on sparsely vegetated area



Photo 21

Fine sediment deposit in bushland area following spill run-off

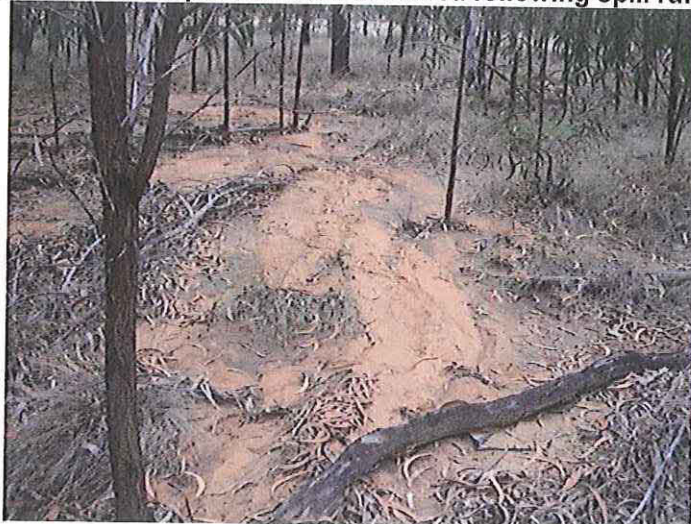


Photo 22

Most of the soil had dried up in the adjacent bushland area and only some small areas still had semi-moist soils, most likely a result of recent rainfall in the area (Photo 23).

Semi-moist soil in the bushland area adjacent to the power station cooling tower



Photo 23

The chemical analysis (carried out by QGC) of the cooling water showed a pH of approximately 8.7, EC of approximately 7200ppm. As the area has had rainfall since the spill event and the soils are quite sandy it is unlikely that soil remediation of the impacted area should be recommended. Groundwater monitoring is carried out on site and this should pick up on any unusual increases in TDS if the spillage has impacted on the groundwater. Regarding the transport of fine sand into the bushland area it is not considered that over time the relatively thin layer (approximately 5cm thick) of fine sand would not negatively impact on the success of new vegetation. However, given the sparse vegetation of the land, the slope of the land and the characteristics of the soil, the area between the cooling tower and the adjacent bushland should be more vegetated to prevent erosion, which is likely to occur during normal rain events with natural surface water run-off. In accordance with condition D4 of DA IPCE00549207A11 erosion should be minimised on site:

(D4) Erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

Therefore, during the site inspection DERM staff discussed with QGC staff to invest more effort into revegetating the currently sparsely vegetated area to minimise any erosion issues in this particular area and prevent fine sand transport into the adjacent bushland to have adverse impacts on fauna and flora in the area.

QGC confirmed that the cause of the spill of cooling tower water to land was caused by foaming of cooling tower water in the cooling tower basin (where the water is collected after the first cooling cycle). The cause of the foaming of the water is not know exactly, however QGC is now managing the water in the cooling tower basin by:

- manual spray application (spray contains the anti-foaming agent Nalco 71D5) of scum build-up on and around the basin (Photo 24)
- dosing the cooling water with the anti-foaming agent (Photo 25)
- investigation into purchasing additional water level detector sensors which will be able to still detect the water level even in foamy conditions.

Foaming cooling tower water in the cooling water basin



Photo 24

Spraying of cooling water with anti-foaming agent



Photo 25

Compliance with conditions (IPCE00549207A11)

Non-Compliances issues on site

Currently treated effluent is discharged to land on site of Lot 48 BWR138. In the absence of any information on the treatment process, daily discharge volume and quality, information on soil characteristics and irrigation management the client should be issued with a Notice to immediately cease irrigation of effluent to land.

Recommendation

It is recommended to send the client a letter in which non-compliance issues found on site (e.g. irrigation of effluent to land on site at Lot 48 on BWR138) are listed with a requirement for a timely submission of management of these non-compliance issues.

Non-Compliances issues on site

The sparsely vegetated area between the cooling tower and the adjacent bushland is currently experiencing fine sand/ topsoil transport during rain events with surface water run-off into the bushland area. In

accordance with condition (D4) erosion protection measures and sediment control measures must be implemented and maintained to minimise erosion and the release of sediment.

Recommendation

It is recommended to include in the letter to be sent to the client that the land between the cooling tower and the adjacent bushland on site at Lot 48 BWR138 be contoured and revegetated to minimise erosion during rain events.

Non-Compliances issues on site

Due to the fact that a notifiable activity is carried out on site, e.g. chemical storage and disposal of waste, the site should be listed on the EMR in accordance with section 371 of the Environmental Protection Act.

Recommendation

It is recommended to include in the letter to be sent to the client a Notification of Land form for listing of the land on the EMR in accordance with section 371 of the Environmental Protection Act.

Compliance with conditions (IPCE01006508)

Non-Compliances issues on site

The department has not to date received 'as constructed' drawings or certification by a suitably qualified and experienced person for the evaporation pond CPS Pond II located at Lot 49 on BWR138.

Recommendation

It is recommended to send the client a letter reminding them of their requirement to comply with conditions set-out in the DA, in particular condition (H13) relating to regulated dams on site. The timely submission of documents as per condition (H13) should be requested. OK

Non-Compliances issues on site

Due to the fact that a notifiable activity is carried out on site, e.g. disposal of waste, the site should be listed on the EMR in accordance with section 371 of the Environmental Protection Act.

Recommendation

It is recommended to include in the letter to be sent to the client a Notification of Land form for listing of the land on the EMR in accordance with section 371 of the Environmental Protection Act.

Report Completed By:

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