

Michael Elkington
Strategic Planning Manager

Please respond to Chris Bartlett
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www.westsussex.gov.uk

County Planning

County Hall
Chichester
West Sussex
PO19 1RH

Tel: 01243 777 100



29th August 2018

Mr Mark Oldridge,
Mineral Surveying Services Ltd,
20 Saddlers Close,
Glenfield,
Leicester,
LE3 8QU

By email only to (oldridgemark@gmail.com)

Dear Mr Oldridge,

Description of Development: Temporary permission for exploration and appraisal comprising the flow testing and monitoring of the existing hydrocarbon lateral borehole along with site security fencing, the provision of an enclosed testing flare and site restoration

Location of Development: Lower Stumble Hydrocarbon Exploration Site, London Road, Balcombe, Haywards Heath, West Sussex, RH17 6JH

Planning Permission Ref: WSCC/040/17/BA

Thank you for your recent application regarding the above and the information submitted in respect of the planning conditions for the above development.

The Council has considered your application and I am now able to inform you that:

- (1) The submitted details for condition 7 (Pollution Prevention) are acceptable and the condition is now discharged.
- (2) The submitted details for condition 8 (Surface Water Drainage Scheme) are acceptable and the condition is now discharged.
- (3) The submitted details for condition 9 (Foul Water Drainage Scheme) are acceptable and the condition is now discharged.
- (4) The submitted details for condition 10 (Lighting Strategy) is acceptable and the condition is part discharged. Further submission of information is required covering part c) of condition 10 once the lighting has been installed.
- (5) The submitted details for condition 11 (Traffic Management Plan) are acceptable and the condition is now discharged.
- (6) The submitted details for condition 15 (Noise Management Plan) are acceptable and the condition is now discharged.
- (7) The submitted details for condition 17 (Bat Monitoring) is acceptable and the condition can be part discharged. Further submission of reports is required once the permission has been implemented.
- (8) The submitted details for condition 18 (Restoration) are acceptable and the condition is now discharged.

(9) The submitted details for condition 19 (Additional Security Measures) are acceptable and the condition is now discharged.

I have emailed you separately concerning further details/information for condition 21 (Community Liaison Group) and discussions are still on-going regarding the Terms of Reference for this condition.

Please retain a copy of this letter/email with the Decision Notice and approved details for future reference.

Planning application details can be accessed via the Council's website using the application reference

number: <http://buildings.westsussex.gov.uk/ePlanningOPS/searchPageLoad.do>

Copies of approved conditional information for the application can be found in the 'post decision' folder.

Please note that condition 3 (Notification of Works) and condition 20 (Workover Rig) are still required to be discharged prior to the commencement of development. In addition, condition 14 (Noise Monitoring) requires noise levels to be continuously monitored from the date of the commencement of development, with the results submitted to the Minerals Planning Authority on a weekly basis.

In addition, and as mentioned above, conditions 10 (Lighting Strategy) and 17 (Bat Monitoring) also require further details before they can be fully discharged.

Yours sincerely

Chris Bartlett
Principal Planner

Application for approval of details reserved by condition.
Town and Country Planning Act 1990
Planning (Listed Buildings and Conservation Areas) Act 1990

Publication of applications on planning authority websites.

Please note that the information provided on this application form and in supporting documents may be published on the Authority's website.
If you require any further clarification, please contact the Authority's planning department.

1. Applicant Name, Address and Contact Details

Title:	<input type="text"/>	First Name:	<input type="text"/>	Surname:	<input type="text" value="Angus Energy PLC"/>
Company name:	<input type="text" value="Angus Energy PLC"/>				
Street address:	<input type="text" value="Building No. 3 Chiswick Business Pk"/>				
	<input type="text" value="566 Chiswick High Street"/>				
	<input type="text"/>				
Telephone number:	<input type="text" value="02088996380"/>				
Mobile number:	<input type="text"/>				
Town/City:	<input type="text" value="London"/>				
Fax number:	<input type="text"/>				
Country:	<input type="text"/>				
Email address:	<input type="text"/>				
Postcode:	<input type="text" value="W4 5YA"/>				
Are you an agent acting on behalf of the applicant?					
<input checked="" type="radio"/> Yes <input type="radio"/> No					

2. Agent Name, Address and Contact Details

Title:	<input type="text" value="Mr"/>	First Name:	<input type="text" value="Mark"/>	Surname:	<input type="text" value="Oldridge"/>
Company name:	<input type="text" value="Mineral Surveying Services Limited"/>				
Street address:	<input type="text" value="20 Saddlers Close"/>				
	<input type="text" value="Glenfield"/>				
	<input type="text"/>				
Telephone number:	<input type="text"/>				
Mobile number:	<input type="text"/>				
Town/City:	<input type="text" value="Leicester"/>				
Fax number:	<input type="text"/>				
Country:	<input type="text" value="Leicestershire"/>				
Email address:	<input type="text"/>				
Postcode:	<input type="text" value="LE3 8QU"/>				
	<input type="text" value="oldridgemark@gmail.com"/>				

3. Site Address Details

Full postal address of the site (including full postcode where available)

House: Suffix:

House name:

Street address:

Town/City:

Postcode:

Description of location or a grid reference
(must be completed if postcode is not known):

Easting:

Northing:

Description:

Temporary permission for exploration and appraisal comprising the flow testing and monitoring of the existing hydrocarbon lateral borehole along with site security fencing, the provision of an enclosed flare and site restoration.

4. Pre-application Advice

Has assistance or prior advice been sought from the local authority about this application?

Yes No

If Yes, please complete the following information about the advice you were given (this will help the authority to deal with this application more efficiently):

Officer name:

Title: First name: Surname:

Reference:

Date (DD/MM/YYYY): (Must be pre-application submission)

Details of the pre-application advice received:

5. Description of the Proposal

Please provide a description of the approved development as shown on the decision letter:

Temporary permission for exploration and appraisal comprising the flow testing and monitoring of the existing hydrocarbon lateral borehole along with site security fencing, the provision of an enclosed flare and site restoration.

Application reference number:

Date of decision:

Please state the condition number(s) to which this application relates:

Condition number(s):

Has the development already started? Yes No

6. Discharge of Condition(s)

Please provide a full description and/or list of the materials/details that are being submitted for approval:

Condition 7 Pollution Prevention, Condition 8 Surface Water Drainage, Condition 9 Foul Water Drainage, Condition 10 Lighting Strategy, Condition 11 Traffic Management Plan, Condition 15 Noise Management Plan, Condition 17 Bat Monitoring, Condition 18 Restoration, Condition 19 Additional Security Measures and Condition 21 Liaison Group.

7. Part Discharge of Condition(s)

Are you seeking to discharge only part of a condition?

Yes No

8. Site Visit

Can the site be seen from a public road, public footpath, bridleway or other public land?

Yes No

If the planning authority needs to make an appointment to carry out a site visit, whom should they contact? (Please select only one)

The agent The applicant Other person

9. Declaration

I/we hereby apply for planning permission/consent as described in this form and the accompanying plans/drawings and additional information. I/we confirm that, to the best of my/our knowledge, any facts stated are true and accurate and any opinions given are the genuine opinions of the person(s) giving them.



Date

22/05/2018

OUR REFERENCE:

HSF-04-U-BAL-2Z-RP-001

PREPARED BY:

Mr Stuart Sinclair
MSc (Eng.) BSc
PRINCE2 PRac, Lead Auditor

TITLE:

Principal Consultant

REVISION:

1



Delivering Excellence in the Onshore Oil & Gas Sector

Balcombe 2z Hydrocarbon Well Test Discharge of Planning Condition 7

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14/05/2018	0	All Pages	QA/QC	1	<i>Dr Hannah Wilson</i>
14/05/2018	0	All Pages	Document Checker	1	
14/05/2018	0	All Page	Document Approver	1	

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HSF Petroleum Services Limited completed this document on the basis of a defined programme of work and terms and conditions agreed with the Client. We confirm that in preparing this document, we have exercised all reasonable skill and care, taking into account the project objectives, the agreed scope of work, and the degree of manpower and resources allocated to the project.

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14/05/2018	Jonathan Tidswell	Angus Energy Plc	Executive Chairman	1	D
14/05/2018	Paul Vonk	Angus Energy Plc	Managing Director	1	D
14/05/2018	Andrew Hollis	Angus Energy Plc	Chief Technical Officer	1	D
14/05/2018	Stuart Sinclair	Angus Energy Plc	QHSE/Operations Manager	1	D
14/05/2018	Chris Clay	Angus Energy Plc	Senior Well Test Engineer	1	D
14/05/2018	Peter Eadsforth	Angus Energy Plc	Asset Manager	1	D
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14/05/2018	Dr Hannah Wilson	HSF Services	Quality Manager	1	D
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	Applies To: Angus Energy	HSF-04-U-BAL-2Z-RP-001
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BALCOMBE – PRE-CONDITION 7

14/05/2018	Trevor Dodd	HSF Services	ISO Systems Manager	1	D
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	Applies To: Angus Energy	HSF-04-U-BAL-2Z-RP-001
Prepared By: Stuart Sinclair	Uncontrolled, If Printed	Rev: 1

BALCOMBE – PRE-CONDITION 7

TABLE OF CONTENTS

CONTENTS

1. INTRODUCTION	7
2. ACRONYMS & DEFINITIONS	9
3. CONDITION 7: POLLUTION PREVENTION STATEMENT	10
3.1 ACTION TO DISCHARGE CONDITION	10
3.2 CONSTRUCTION OF THE ENGINEERED SITE TO PREVENT POLLUTION	11
3.3 CONTROL AND MITIGATION MEASURES	12
3.4 COMPLIANCE WITH ONSHORE OIL & GAS SECTOR GUIDANCE	13
3.5 SUMMARY STATEMENTS	14
4. CONCLUSION.....	16
5. APPENDICES	17
5.1 APPENDIX A – PROPOSED WELLSITE LAYOUT DIAGRAM.....	17
5.2 APPENDIX B – PROPOSED HDPE INSTALLATION METHODOLOGY	18

Prepared By:	Checked By:	Approved By:	Issued:
Stuart Sinclair	Paul Vonk	Jonathan Tidswell	14/05/2018

	Applies To: Angus Energy	HSF-04-U-BAL-2Z-RP-001
Prepared By: Stuart Sinclair	Uncontrolled, If Printed	Rev: 1

BALCOMBE – PRE-CONDITION 7

1. INTRODUCTION

Angus Energy Weald Basin No. 3 Ltd (hereafter “ANGS”) an approved OGA Operator is seeking to discharge a number of planning conditions in relation to the exploration and appraisal of the existing hydrocarbon lateral borehole at Lower Stumble Hydrocarbon Exploration Site, London Road, Balcombe, Haywards Heath, West Sussex, RH17 6JH.

Planning permission was granted by the West Sussex County Council on the 27th October 2017 (Ref: WSCC/040/17/BA).

This supporting statement aims to discharge Planning Condition No. 7 Pollution Prevention Statement.

The scope of this statement is the construction of the engineered site to prevent pollution for the duration of the well test period.

PLANNING CONDITION NUMBER	PLANNING CONDITION DETAILS
7	<p>Development shall not begin until a Pollution Prevention Statement has been submitted to and approved in writing by the Minerals Planning Authority setting out details of the construction of the engineered site to prevent pollution. The Statement shall include:</p> <ul style="list-style-type: none"> ➤ Details of the inspection of the existing containment measures; ➤ Details of any remediation or replacement of the containment measures; ➤ Details of containment construction and quality assurance; and ➤ Details of future inspection and maintenance <p>The Pollution Prevention Statement shall include detailed pollution prevention assessments and mitigation methods to prevent pollution of the water environment. The approved Statement shall be implemented in full and maintained throughout the course of the</p>

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	Applies To: Angus Energy	HSF-04-U-BAL-2Z-RP-001
Prepared By: Stuart Sinclair	Uncontrolled, If Printed	Rev: 1

BALCOMBE – PRE-CONDITION 7

	development. Any changes to the approved Statement shall be approved in advance and in writing by the Minerals Planning Authority.
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	Applies To: Angus Energy	HSF-04-U-BAL-2Z-RP-001
Prepared By: Stuart Sinclair	Uncontrolled, If Printed	Rev: 1

BALCOMBE – PRE-CONDITION 7

2. ACRONYMS & DEFINITIONS

ACRONYMS	
ANGS	Angus Energy Weald Basin No. 3 Limited
BAT	Best Available Technology
BOD	Basis of Design
BPG	Best Practice Guidelines
BSOR	Borehole Site and Operations Regulation 1995
CQAF	Construction Quality Assurance File
CSWIP	Certification Scheme for Welding and Inspection Personnel
CUAD	Cuadrilla Balcombe Limited
EA	Environment Agency
HDPE	High Density Polyethylene
OGA	Oil & Gas Authority
PDCA	Plan-Do-Check-Act
QA/QC	Quality Assurance/Quality Control

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BALCOMBE – PRE-CONDITION 7

3. CONDITION 7: POLLUTION PREVENTION STATEMENT

PLANNING CONDITION NUMBER	PLANNING CONDITION DETAILS
7	<p>Development shall not begin until a Pollution Prevention Statement has been submitted to and approved in writing by the Minerals Planning Authority setting out details of the construction of the engineered site to prevent pollution. The Statement shall include:</p> <ul style="list-style-type: none"> ➤ Details of the inspection of the existing containment measures; ➤ Details of any remediation or replacement of the containment measures; ➤ Details of containment construction and quality assurance; and ➤ Details of future inspection and maintenance. <p>The Pollution Prevention Statement shall include detailed pollution prevention assessments and mitigation methods to prevent pollution of the water environment. The approved Statement shall be implemented in full and maintained throughout the course of the development. Any changes to the approved Statement shall be approved in advance and in writing by the Minerals Planning Authority.</p>

3.1 ACTION TO DISCHARGE CONDITION

The ANGS management team alongside a number of consultants have proactively inspected the Balcombe wellsite and the existing containment infrastructure. The results of the inspection were reported to the ANGS Board of Directors. The overall aim of the well test project is to conduct operations safely, on time, on specification, on budget and to minimise any impact on the environment.

ANGS are committed to continuous improvement of environmental performance and management and the prevention of pollution from activities we undertake. ANGS will comply

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BALCOMBE – PRE-CONDITION 7

with all applicable legal and other relevant requirements that relate to our environmental aspects, industry guidelines and, as far as practicable, accepted best practice in environmental management.

ANGS recognises the need to take due diligent care of all environmental aspects and impacts of its operations, both in the general interest of the environment and for continuous improvement.

ANGS Board of Directors have made an informed decision to install new containment infrastructure prior to the well test operation adhering to relevant primary and secondary legislation and best industry practice.

3.2 CONSTRUCTION OF THE ENGINEERED SITE TO PREVENT POLLUTION

A topographic view of the indicative well test spread is shown in Appendix A. The square grid highlights the area (approximately 60m x 40m) where the containment infrastructure shall be installed.

The method of installation shall include the contractor tidying the existing wellsite and releveling to a flat surface. The protective geotextile 300gms shall be laid on top of the stone surface area within the bund. Next a High Density Polyethylene (HDPE) geomembrane liner shall be installed to the protective geotextile. The HDPE geomembrane liner shall be welded and sealed at the seams. The welding of the membrane shall be undertaken by a competent person (i.e. CSWIP Certificate Holder, CSWIP certification schemes are UKAS accredited to ISO/IEC 17024, the international standard for personnel certification). All of the site welds shall be tested using air or spark testing, no heat or flame is produced during testing. Twin Fusion welds (hot wedge) will be tested by sealing the ends of the air channel then inducing air pressure into the channel via either a testing needle or stopper. Once 2 bar of pressure has been applied and the pressure has been removed the pressure must not decrease by more than 10% in five minutes. Extrusion welds will be tested using spark testing methods. Further details of the installation of the HDPE geomembrane liner system can be found within Appendix B.

Sleepers shall be installed around the edge of the perimeter bund. The HDPE geomembrane liner shall then be attached to the sleepers using fixing battens brackets. The four sides of the perimeter bund shall be elevated so that any surface water within the banded area will be directed into the well cellar. To protect the HDPE geomembrane liner another layer of the geotextile 300gms shall be installed on top of the HDPE geomembrane liner. Lastly, load

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BALCOMBE – PRE-CONDITION 7

bearing 70mm thick bog mats (5m x 1m) shall be installed on top of the geotextile for added protection.

Load bearing access and egress ramps shall be installed around the perimeter of the bund for work vehicles.

The surface water that accumulates within the well cellar shall be disposed of off-site using a suction tanker and transferred to a licensed waste treatment facility.

Groundwater is also protected as a result of the specification within the Basis Of Design (BOD) at the Planning & Design phase and through implementing the programme of work at the drilling phase. Thus, a combination of steel casing, cement sheaths and other mechanical isolation devices are in-situ as part of the well construction.

Any hydrocarbons, produced water and spent hydrochloric acid would be stored in separate containers and shall be located within the area of the impermeable membrane.

No surface water from the wellsite would be permitted to enter peripheral surface watercourse or discharged directly into local sewers. Furthermore, ANGUS shall monitor groundwater prior and during the well testing operation and post operations.

A well cellar integrity test shall be performed prior to the deployment of the well test spread. Water shall be used as the fluid medium following ANGUS standard operating procedures. Records of the well cellar integrity test shall be retained within the well file and made available to any internal or external interested party.

Installing these measures would seal the well testing area and would prevent any accidental spillage and rainwater from entering the underlying soils, groundwater and local watercourses.

The risk of any adverse impact from the well test programme on groundwater and local watercourses is considered highly unlikely.

3.3 CONTROL AND MITIGATION MEASURES

Pollution control would be afforded by the impermeable membrane bunds, which would prevent liquids from penetrating into the soils and groundwater beneath the site or flowing from the site onto adjoining land and watercourses. In addition, spill kits designed for all materials and substances used on site will be held on site to deal with any emergencies that could arise from the well testing operations.

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BALCOMBE – PRE-CONDITION 7

ANGS also has a site specific Pollution Prevention Plan (audited by the Environment Agency) for use in the unlikely event of a major spillage. A specialist environmental clean-up company is also available on call, should they be required as part of ANGS crisis management procedures. Any site staff would receive training and be made aware of their role, responsibilities and accountabilities. CUAD Report on Drainage Strategy in Support of Application WSCC/063/13/BA (Appendix 9.2) also proposes environmental site management and drainage arrangements which would ensure that no potentially significant environmental effects would be likely to arise from the proposed development.

3.4 COMPLIANCE WITH ONSHORE OIL & GAS SECTOR GUIDANCE

ANGS shall comply with the latest Environment Agency (EA) publication entitled “Onshore Oil & Gas Sector Guidance, Version 1, dated 17th August 2016”, specifically the section entitled “Design of Containment System” as it relates to the pre-condition in question.

ANGS shall design and construct the bund as outlined within Section 3.2 in compliance with Best Available Technique (BAT) for site containment system. Thus:

- All storage vessels are contained within the bund;
- The bund design shall be either 100% of the largest vessels or 25% of the aggregate capacity of the vessels that it contains, whichever is greater;
- The bund shall be capable of withstanding the hydrostatic head of liquid when full;
- The bund is constructed of a material which is impermeable to crude oil and water;
- A fire risk assessment shall be undertaken for the project in order to support the fire protection plan as required under BSOR 1995, Regulation 7;
- The welded seams shall go through Non-Destructive Testing (NDT) to ensure integrity as part of the site commissioning;
- The welded seams are resistant to crude oil and water and shall be capable of maintaining a seal with thermal expansion and contraction of the bund;
- To protect the HDPE geomembrane liner a protective geotextile and load bearing bog mats shall be assembled on top of the HDPE geomembrane liner so that plant, equipment, pipework, cables or instrumentation do not penetrate the bund walls or floor;

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BALCOMBE – PRE-CONDITION 7

- The modelled lifespan of the impermeable membrane shall comfortably exceed the anticipated life of the project;
- The bunded area shall be manned 24/7 during the course of the well test operation;
- The interceptor valve related to the wellsite drainage system shall be shut during the well test;
- The stock tanks are continuously monitored by Operatives and readings shall be taken using the level indicator and drip readings;
- Radio communication shall be used between well test Operatives and air horns shall be strategically positioned around the bunded area to alert the workforce in the event of an emergency;
- The design of the constructed area shall be elevated at the perimeter to the height of the sleepers so that any accumulated liquid can flow in a downwards direction into the well cellar;
- ANGS shall closely follow Best Practice Guidelines publication CIRIA C736 entitled "Containment System for the Prevention of Pollution".

3.5 SUMMARY STATEMENTS

Details of the Inspection of the Existing Containment Measures

The inspection of the existing containment infrastructure is now complete. ANGS shall install a new containment system prior to the well test operation. All membrane delivered to the wellsite will be accompanied by a Roll Test Data Report showing the results of various tests carried out by the manufactures. Samples of the lining materials shall be taken and sent for independent testing.

As the installation progresses the Supervisor will record all materials placed, roll numbers, panel numbers, seams welded, testing and all records will be recorded onto contractor's installation logs. All of the site welds shall be tested using air or spark testing. No heat or flame is produced during testing. Twin Fusion welds (hot wedge) will be tested by sealing the ends of the air channel then inducing air pressure into the channel via either a testing needle or stopper. Once 2 bar of pressure has been applied and the pressure has been removed the pressure must not decrease by more than 10% in five minutes. Extrusion welds will be tested using spark testing methods.

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BALCOMBE – PRE-CONDITION 7

Details of any remediation or replacement of the containment measures

If any defects or non-conformities arise associated with the installation of the new containment system, the work programme shall not commence until the issues are fully resolved. Since ANGS are using an approved competent contractor to undertake the scope of works the risk level would be highly unlikely.

Details of containment construction and quality assurance

As stated above, the containment construction shall be based upon BAT and BPG publications such as the EA Onshore Oil and Gas Section Guidance and CIRIA C376. The highest standard of Quality Assurance (QA) and Quality Control (QC) shall be applied through the lifecycle of the containment infrastructure. The ANGS Construction Quality Assurance File (CQAF) shall consist of: built design methodology, material records, installation logs and the Competent Person’s validation certificate.

ANGS promotes an open and transparent dialogue with the onshore regulators. The CQAF shall be made available to internal or external interested parties.

Details of future inspection and maintenance

The load bearing bog mats that are used to distribute the load of the well test spread and help protect the HDPE geomembrane liner shall be visually inspected daily for any signs of cracking, movement, bending or shear stress for the duration of the project. The ANGS Integrated Management System follows the best practice model Plan-Do-Check-Act (PDCA) and in the event of any defects or NCs a remediation proposal shall be agreed to ensure the containment structure retains its integrity throughout the duration of the project.

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BALCOMBE – PRE-CONDITION 7

4. CONCLUSION

ANGS shall proactively engage with the relevant onshore regulators throughout the duration of the project. ANGS shall design the bund based upon primary and secondary legislation and following BPG. This Pollution Prevention Statement shall be implemented in full and maintained throughout the course of the well test project.

ANGS joint partner CUAD have obtained a Mining Waste Permit EPR/AB3307XD, Radioactive Substances Permit EPR/PB3439DP and the Operator of the project under the Borehole Sites and Operations Regulation (BSOR) 1995, shall maintain records to demonstrate compliance. CUAD has recently applied for an Oil Storage Permit EPRA/AB3307XD/V005 and the application is currently going through the consultation process via the EA. Through the combination of this Pollution Prevention Statement and the control and mitigation measures contained within EA permits the residual pollution risk from the well test programme on groundwater and local watercourses is considered very low.

The design and construction of the engineered site is consistent with the methodology applied when Balcombe 2Z was drilled back in 2013. The onshore regulators approved the original design of the containment infrastructure.

It is worth highlighting the fact that the well test phase's overall pollution risk level would be considered less than that of the drilling phase. The well test spread is an enclosed system and all of the plant and equipment shall be positioned within the banded area as shown within Appendix A.

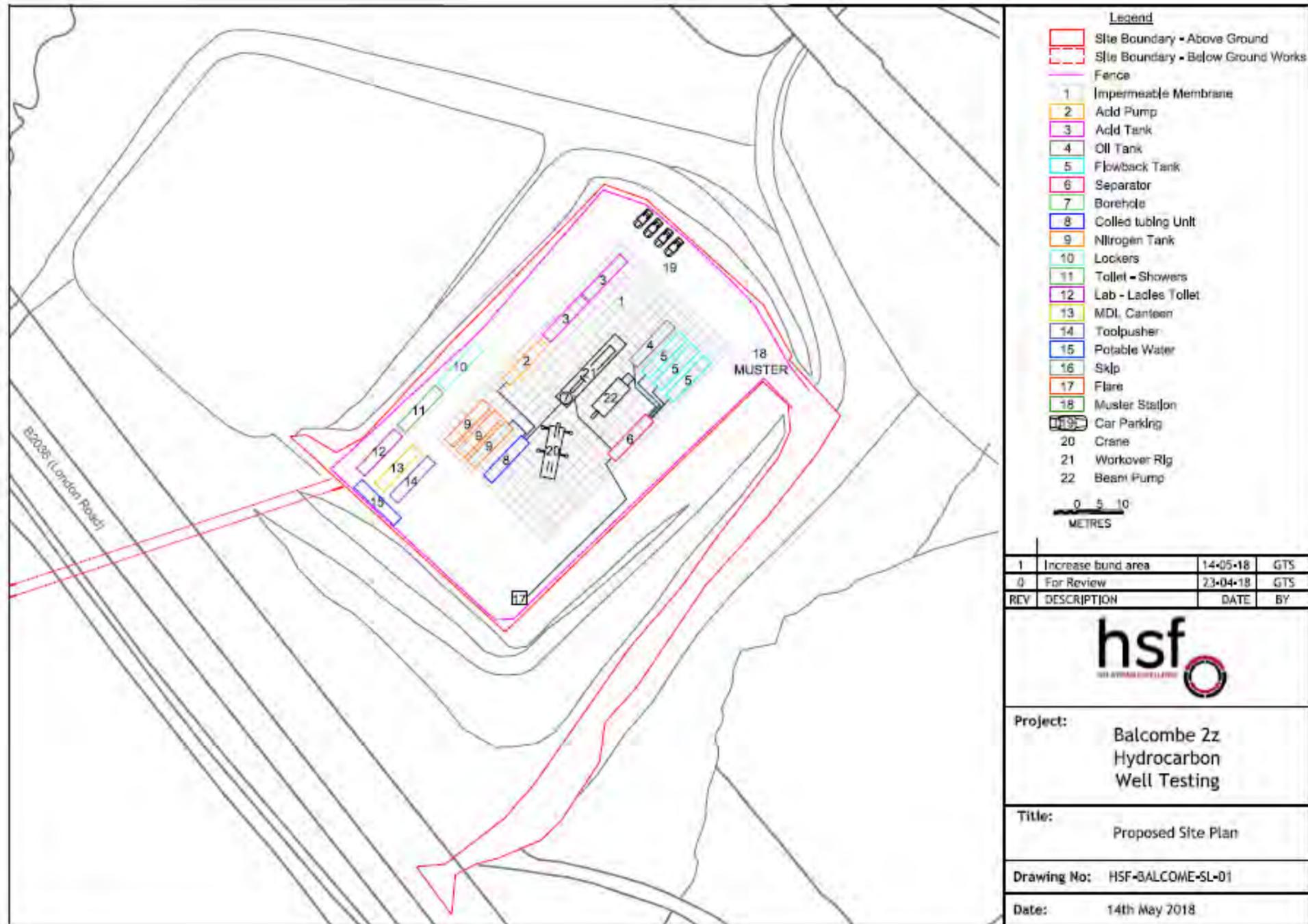
ANGS shall contact the Minerals Planning Authority at the earliest opportunity if there are any changes to this Pollution Prevention Statement. ANGS shall only proceed when they have received approval in advance and in writing.

It is considered that the above information provides sufficient detail and reassurance that the new site containment infrastructure is appropriate and sufficient, due to the duration of the well test project and the low residual risk.

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Stuart Sinclair	Paul Vonk	Jonathan Tidswell	14/05/2018

5. APPENDICES

5.1 APPENDIX A – PROPOSED WELLSITE LAYOUT DIAGRAM



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Prepared By: Stuart Sinclair	Uncontrolled, If Printed	Rev: 1

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5.2 APPENDIX B – PROPOSED HDPE INSTALLATION METHODOLOGY

METHOD STATEMENT

INTRODUCTION

This method statement details our proposed method and work sequence for the installation of lining membranes.

The method statement will be explained to site personnel and any other person within the work area prior to commencing work and will be enforced by Site Supervisor and signature on the back page.

MATERIAL, DELIVERY, UNLOADING AND STORAGE

The membrane and Geotextile rolls will be delivered direct from the manufacturer on a curtain sided lorry, the membrane will be complete with two lifting strops per roll to aid unloading and transporting. The Geotextile rolls can be manually rolled on to folk lift tangs.

METHOD OF WORKING

PLANT AND EQUIPMENT TO BE USED IN THE INSTALLATION OF MEMBRANES

Petrol generator with 240 volt outlets, fitted with RCDs

Hot wedge fusion welder 240 volt

Extrusion welders. 240 volt

Hot air guns. 240 volt

Hand held sanders. 240volts

Heavy duty rubber coated cables.

Hand Tools

LINER PLACEMENT

The rolls of Geotextile will be positioned so that they can be unrolled manually across the working area, once the desired length of panel is reached then it is cut from the roll, the roll is re-positioned and the method repeated until the area is covered. The rolls of

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membrane are attached to the roll out frame which in turn is attached to the telehandler, the roll is then held above ground level so that the roll can spin, the free end of the membrane is manually pulled from the roll across the working area, once the desired length is reached the membrane is cut from the roll, the roll is re-positioned and the method is repeated until the whole area is covered.

LINER PREPARATION PRIOR TO WELDING

The membrane will be placed with the correct seam overlaps. Prior to forming the joints the overlap will be checked to ensure the weld area is clean, dry, and free from imperfections. When extrusion-welding methods are to be employed the seam will firstly be heat bonded and then the surface oxidation will be removed from each side of the joint by sanding.

WELDING METHODS

Welding of the membrane will be by certified welding technicians or by trainee technicians under the supervision of a Standard Level CSWIP certificate holder. Two methods of welding will be used: Hot Wedge for the main seams and Extrusion Welding for tie-in details, smaller areas, patching, repairs and more intricate details.

Prior to commencing welding with a machine a test weld will be completed using off cuts of membrane. Tabs will be taken from this weld and tested to destruction using field clamps in both the peel and shear modes. Failure must occur in the parent material and not enter the seam. This start up testing ensures that the welding equipment is set at the correct parameters and the welds being produced are at least as strong as the parent material.

While the installation progresses the installation supervisor will record all materials placed, roll numbers, panel numbers, seams welded, testing. All records will be recorded onto contractor's installation logs.

MEMBRANE & SITE TESTING

All membrane delivered to site will be accompanied by a Roll Test Data Report showing the results of various tests carried out by the manufacturer. Samples of the lining materials will be taken and sent for independent testing.

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BALCOMBE – PRE-CONDITION 7

NON-DESTRUCTIVE TESTING OF WELDED SEAMS

All site welds will be tested using air or spark testing, no heat or flame is produced during testing.

Twin Fusion welds (hot wedge) will be tested by sealing the ends of the air channel then inducing air pressure into the channel via either a testing needle or stopper. Once 2 bar of pressure has been applied and the pressure has been removed the pressure must not decrease by more than 10% in five minutes.

Extrusion welds will be tested using spark testing methods.

ADVERSE WEATHER CONDITIONS

No material installation or seam welding will take place while adverse weather conditions exist. This means rain, strong winds, snow. It is also noted that installation and welding cannot take place if standing water or sloppy formation are present.

SAFETY CONSIDERATIONS

Site specific safety induction should be completed by the Main Contractor prior to commencing works.

All emergency procedures to be followed:

Any Transport and Traffic management system set up must be adhered to.

All site rules to be complied with by all personnel;

Only certified personnel who hold full and current insurance shall operate mechanical plant;

Only certified personnel will carry out welding procedures;

No smoking on site only in designated areas;

Correct PPE must be worn at all times in line with site rules; inclusive of but not limited to Hard Hat, Safety Boots, gloves, Hi Vis Vests/Coats and safety glasses; All specific PPE will be provided by the contractors to its personnel as and when required.

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Development Control
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Our ref: HA/2018/120465/01-L01
Your ref: WSCC/040/17/BA
Date: 13 June 2018

Dear Jane

DISCHARGE OF CONDITION 7 - TEMPORARY PERMISSION FOR EXPLORATION AND APPRAISAL COMPRISING THE FLOW TESTING AND MONITORING OF THE EXISTING HYDROCARBON LATERAL BOREHOLE ALONG WITH SITE SECURITY FENCING, THE PROVISION OF AN ENCLOSED TESTING FLARE AND SITE RESTORATION. LOWER STUMBLE HYDROCARBON EXPLORATION SITE, LONDON ROAD, BALCOMBE, HAYWARDS HEATH, WEST SUSSEX, RH17 6JH

Thank you for your consultation on the details submitted in relation to Condition 7 – Pollution Prevention Statement.

We have reviewed the report produced by HSF on the containment measures to support the discharge of condition 7.

We are satisfied with the design for the construction of a secondary containment system to prevent the release of any contaminants and other liquids to the water environment. We can therefore recommend that Condition 7 can be discharged.

Note for applicant:

There are several elements where further information will be required to satisfy the requirements of the Environmental Permit. These include the load bearing capacity of the bogmats and the potential for the integrity of the HDPE line system with vehicle movements.

Yours faithfully,

Hannah Hyland
Planning Specialist

Direct e-mail: planningssd@environment-agency.gov.uk