UNC

Supplemental

Agreement

|  |  |
| --- | --- |
| Site |  |
| Site Owner |  |
| Site User(s) |  |
| Date |  |

**Any issues concerning the content within this document should be raised with the Site Owner via email to: [*address@operatororganisation.com*]**

**Contents**

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* Section 2 Site Assets & Ownership
* Section 3 Site Services
* Section 4 Measurement Equipment and Permitted Ranges
* Section 5 Telemetered Data Requirements
* Section 6 Miscellaneous
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**Section 1: Site Details**

|  |  |  |
| --- | --- | --- |
| Name of the Offtake Site |  | |
| Postal address of the Offtake Site |  | |
| Co-ordinates for the Offtake Site | OS Coordinates | BNG Coordinates |
| SJ xxx xxx | E: xxxxxx, N: xxxxxx |
| Owner of the site (the Site Owner) |  | |
| Site User(s) |  | |
| Site safety and access arrangements |  | |
| Third Party Interests |  | |

**Section 2: Site Assets & Ownership**

**2.1 Points of Offtake**

|  |  |  |
| --- | --- | --- |
| Points of Offtake |  | |
| Exceptions |  | |
| Other |  | |
| Drawing/Diagram | Please refer to the following Site Owner drawings: | |
| PSD |  |
| GA |  |
| Electrical SLD |  |
| Other (please specify) |  |

**2.2 Electrical Arrangements**

2.2.1 Main Arrangements

|  |  |
| --- | --- |
| Main Supply |  |
| Specific Ownership |  |

2.2.2 Shared Boards

|  |  |  |  |
| --- | --- | --- | --- |
| Board Number or Name |  | | |
| Board Owner |  | | |
| Specific Ownership | *Way/Fuse* | *Owner* | *Asset / Description* |
|  |  |  |
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2.2.2 Actuated Valves

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Specific Ownership | ***DNO*** | | ***NGG*** | |
| *Valve* | *Type* | *Valve* | *Type* |
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2.2.3 Hydraulic Valves

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Specific Ownership  (note: Any RGH’s will be connected to the site’s telemetry arrangements) | ***DNO*** | | ***NGG*** | |
| *Valve* | *Type* | *Valve* | *Type* |
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2.2.4 Standby Power Arrangements

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Owner | Location | Supports |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Comments: | | | |

**2.3 Telemetry Arrangements**

2.3.1 Main Arrangements

|  |  |  |  |
| --- | --- | --- | --- |
| Specific Ownership | ***Site Owner (DNO)*** | | |
| Assets | IS Barrier Box | Notes: |
| RTU |
| Router |
| Ethernet Hub |
| Ports |
| DSL |
| Satellite Dish / Radio |
| Non IS I/F Box |
| ***Site User (NGG)*** | | |
| Assets | IS Barrier Box | Notes: |
| RTU |
| Router |
| Ethernet Hub |
| Ports |
| DSL |
| Satellite Dish / Radio |
| Non IS I/F Box |

2.3.2 P1 Pressure Transmitter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transmitter | Owner | Demarcation | Location | RTU |
|  |  |  |  |  |

2.3.3 Other Pressure Transmitters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transmitter | Owner | Demarcation | Location | RTU |
|  |  |  |  |  |
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2.3.4 Shared Barrier Loops

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Transmitter | Owner | Transmitter | Owner | Loop |
|  |  |  |  |  |

Any maintenance required to P1 will require prior notification via the OAD process.

**2.4 FWACV Arrangements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FWACV Asset | Number  on Site | Location, description & ownership | | |
| Sample Point | X | 1 |  |  |
| 2 |  |  |
| PRU’s | X | 1 |  |  |
| 2 |  |  |
| Chromatographs | X | 1 |  |  |
| 2 |  |  |
| OMNI Computers | X | 1 |  |  |
| 2 |  |  |
| Controllers | X | 1 |  |  |
| 2 |  |  |
| Mircobox / AB’s | X | 1 |  |  |
| 2 |  |  |
| Moxa Unit | X | 1 |  |  |
| ADAM Unit | X | 1 |  |  |
| Brief description of how systems are shared | | | | |

**2.5 Cathodic Protection Arrangements**

|  |  |  |
| --- | --- | --- |
| CP System / Asset | Owner | Comments |
| AGI TR |  |  |
| Pipeline TR |  |  |
| I/J’s 1 |  |  |
| I/J’s 2, 3, I/F5 and 6 |  |  |
| Groundbeds |  |  |
| Drain Point(s) |  |  |
| Shared Test Posts |  |  |
| Data Loggers |  |  |
| Other Information: | | |

**2.6 Buildings, structures and enclosures**

All building, structures and enclosures are owned by the site owner unless listed below:

|  |  |  |  |
| --- | --- | --- | --- |
| Specific Ownership | *Asset* | *Owner* | *Location* |
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**2.7 Other Shared Arrangements**

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| --- | --- | --- | --- |
| *Asset* | *Owner* | *Location* | *Description of Shared Arrangement* |
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**Section 3: Site Services:**

The following services are provided by the Site Owner to the Site User:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cathodic Protection | Where any Site User assets are connected to a Site Owner’s Cathodic Protection system or Transformer Rectifier, permission via the OAD process must be ascertained before repair/replacement or maintenance is undertaken.  In relation to cathodic protection systems, the Site Services (to be provided by the Services Party) include:   * maintaining and testing such cathodic protection systems (and planning for such maintenance in accordance with the provisions for Relevant Maintenance in Section G of the Offtake Arrangements Document); and * providing each Site User a report certifying compliance of the cathodic protection systems agreed standards no later than 14 days after any maintenance or testing in accordance with sub-paragraph (a). | | | |
| Electrical | All power provided to site users assets as provided via the main supply and busbar. This includes lighting to all buildings, site flood lighting, and space heating.  See Section 2.2 for asset ownership. | | | |
| Security | Site Fence & ISS Requirements  (Also see Section 1.0 for access and 2.6 for asset ownership) | | | |
| General Site Services | * Drainage * General Site Maintenance | | | |
| Telecommunications | The following lines are available on site: | | | |
| *Line* | *Type* | *Owner* | *Comment* |
| xxxx – xxx xxxx |  |  |  |
| xxxx – xxx xxxx |  |  |  |
| Telemetry | All Telemetry assets except the P1 Transmitter are owned by the Site Owner (See Section 2.3)  The following Site User’s assets are connected to the Site Owners Telemetry system:   * The P1 transmitter is connected to the site owners IS Barrier Box & RTU. * The site user’s FWACV system is connected via the site owners Ethernet Hub. (See Section 2.4) * The site user’s ROV’s are connected via the RTU and routers. This uses the site owners communication system for control. | | | |
| Water and Welfare Arrangements |  | | | |

**Section 4: Measurement Equipment and Permitted Ranges:**

The Measurement Equipment, and the Permitted Range for the Measurement Equipment, are as follows:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Flow Rates** | | | | | | | | | |
|  | | | **Specified Range** | | | **Permitted Uncertainty Level** | | | |
| **Instantaneous Volume Flow Rate**  Based on pressureof  xx barg | | | Between x% and x% of  x.x MCM/day | | | +/- x.x % of actual flow between x% and x% of maximum flow rate. | | | |
| +/- x.x % of actual flow between x% and x% of maximum flow rate. | | | |
| **Instantaneous Energy**  **Flow Rate**. Based on mean CV = xx.xx MJ/m³ and pressure of xx Bar | | | Between 3 % and 100% of 66.5 TJ/day | | | +/- x.x % of actual flow between x% and x% of maximum flow rate. | | | |
| +/- x.x % of actual flow between 10% and 30% of maximum flow rate. | | | |
| The offtake should not be operated below 10% of maximum flow rate except where there is no alternative route to deliver gas to the LDZ. | | | | | | | | | |
| **Pressure and Temperature** | | | | | | | | | |
|  | | | | **Specified Range** | | |  | | |
| **Offtake Inlet Gas Pressure** | | | | 0 – 80 barg | | | +/- 0.4% of specified range | | |
| **Outlet Gas Temperature** | | | | -10 to 40 deg C | | | +/- 0.2% of specified range | | |
| **Gas Quality – CV Directed Offtake** | | | | | | | | | |
|  | | | | **Specified Range** | | | **Permitted Uncertainty Level** | | |
| **CV** | | | | 35 - 44 MJ/m³ | | | +/- 0.14 MJ/m³ | | |
| **Carbon Dioxide** | | | | 0 – 5 mole % | | | +/- 0.2 mole % | | |
| **Nitrogen** | | | | 0 - 10 mole % | | | +/- 0.2 mole % | | |
| **Relative Density** | | | | 0.5 – 0.8 | | | +/- 0.002 | | |
| **Wobbe No.** | | | | 45 - 54 MJ/m³ | | | +/- 0.19 MJ/m³ | | |
| **Measurement Equipment** | | | | | | | | | |
| **No. of Meter Streams** | | | **Stream flow as % of total capacity** | | | **Meter Type** | | **Design Details** | |
| x stream(s) | | | x x 100% | | |  | | Tube A DIA = x mm  Nominal Plate Bore DIA = xmm | |

**Section 5: Telemetered Data Requirements:**

In this section:

1. a Minimum Requirement is a requirement applicable in relation to any Offtake;
2. a Site-Specific Option is a requirement applicable (in accordance with paragraph (c) below) in relation to certain Offtakes;
3. Site-Specific Options are applicable where so provided under 'Comments' or where agreed between the Parties.
4. Information may be provided under ‘Comments’ in relation to Minimum Requirements and/or Site-Specific Options.

**Part 1 – Analogues**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Point Name** | **Minimum Required** | **Site Specific Options** | **DN Control System**  **Point Name** | **NGG Unique Name** | **Comments** |
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**Part 2 – Digitals**

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| --- | --- | --- | --- | --- | --- |
| **Point Name** | **Minimum Required** | **Site Specific Options** | **DN Control System**  **Point Name** | **NGG Unique Name** | **Comments** |
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**Part 3 – Valve Monitoring / Control**

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| --- | --- | --- | --- | --- | --- |
| **Point Name** | **Minimum Required** | **Site Specific Options** | **DN Control System**  **Point Name** | **NGG Unique Name** | **Comments** |
|  |  |  |  |  |  |

**Part 4 – Integrators**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Point Name** | **Minimum Required** | **Site Specific Options** | **DN Control System**  **Point Name** | **NGG Unique Name** | **Comments** |
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**Section 6: Miscellaneous:**

*(to be used for designate offtakes and other requirements as agreed between the parties)*

**Section 7: Document History:**

|  |  |
| --- | --- |
| Dated Version | Recorded Changes |
|  |  |
|  |  |
|  |  |

**Document End**