# Greenhouse Gas (GHG) Assessment Permit Annual Title Assessment Report (ATAR) Template

*An ATAR is due within 30 days after the date of the anniversary of the grant/renewal of the title, under Regulation 3.03 of the Offshore Petroleum and Greenhouse Gas Storage (Resource Management and Administration) Regulations (***the RMA Regulations***). The report must cover a 12 month period. A suspension or suspension and extension does not affect the due date for submission.* *An ATAR is a permanently confidential document under the RMA Regulations. All ATARs submitted to NOPTA should be marked as Confidential. All titleholders need to be aware of their obligations under the Act and Part 3 of the RMA Regulations.*

Reg 3.09 Title Summary

| **Title number(s)\*** |  |
| --- | --- |
| **Reporting period** | \_\_\_ / \_\_\_ / \_\_\_\_ to \_\_\_ / \_\_\_ / \_\_\_\_ |

*\*Note – if the ATAR relates to more than one title, please provide details of the date approval was given for the combination of an ATAR under Regulation 3.04.*

### Titleholders

| Company Name | Percentage Interest in Title | ACN/ABN |
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Reg 3.09(2)Introduction and title overview

Discretionary Information

*The Regulations do not require the inclusion of an overview, the inclusion of this information is discretionary under Reg 3.09(2). This section is intended to provide a brief summary of the report and highlight key activities that have occurred during the year.*

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| *Insert a general introduction that provides a high level summary. Key areas which may be relevant would include:*   * *Relevant permit history* * *A summary of exploration and appraisal activity undertaken during the period* * *A map showing the position of the permit* * *Applications and relevant transactions* * *Any other information that might be considered relevant* |

Reg 3.09 (1)(a) Activities undertaken during the reporting period

Reg 3.09(1)(b)(i)

*Please provide a summary of work and expenditure commitments and the actual work undertaken during the 12 month reporting period within the permit boundary in the table provided below:*

| **Permit Year**  **[work program year]** | **Start Date for Permit Year** | **End Date for Permit Year** | **Minimum work requirement**  **(as per title instrument)** | **Estimated Expenditure**  **Constant dollars (indicative only)**  **$AU**  **(as per title instrument)** | **Actual work undertaken including name of operation\***  **Include above work commitment activities** | **Date completed** | **Approximate /Actual Expenditure $AU\*\*** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 - 3 | *12/1/2022* | *11/1/2025* | *e.g.*  *Geological and geophysical studies*  *3,000 km2 3D seismic survey acquisition and processing*  *Geoscientific and geophysical studies including seismic interpretation*  *Geotechnical studies including drilling/completion studies* | *$250,000*  *$15,000,000*  *$250,000*  *$250,000* | *e.g.*  *Geological and geophysical studies (including seismic planning)*  *Acquired and PSDM processed 3020 km2 ‘XXX’ 3D Survey,*  *Acquired additional 700km2 3D seismic survey over ‘xx’ storage formation* | *11/1/2023*  *11/06/2022*  *11/09/2022* | *$200,000*  *$5,000,000*  *$2,000,000* |
| 4 | *12/1/2026* | *11/1/2027* | *Dynamic modelling* | *$1,000,000* |  |  |  |
| 5 | *12/1/2027* | *11/1/2028* | *Geological and geophysical studies* | *$500,000* |  |  |  |
| 6 | *12/1/2028* | *11/1/2029* | *Geological and geophysical studies* | *$500,000* |  |  |  |

*Note - only work undertaken within the permit boundary can meet a work program commitment. Permit Year (or years) to which this ATAR applies to should be highlighted.*

*\* The description of work undertaken should include the following information in relation to an activity*

| ***Activity Type*** | ***Activity Description*** |
| --- | --- |
| *Geotechnical studies* | *A description of the actual work undertaken e.g. bathymetry studies, Rock property studies, QI* |
| *Exclusive Survey Acquisition* | *Name of Survey, Type of Survey (2D/3D), km/km2 within the permit area* |
| *Seismic Processing / Reprocessing* | *Name of Seismic Survey, Processed or Reprocessed, Type of processing, km/km2 processed within the permit area* |
| *Purchase / licencing of data (e.g. multi-client)* | *Name of dataset, Name of Survey, Total area, km/km2 within the permit area* |
| *Wells* | *Name of well* |

*\*\* Approximate/ Actual expenditure should reflect actual expenditure incurred in undertaking the activity and be more than an estimate. Amounts should be reported in nominal terms. Where cumulative values are given, this should be made clear.*

Reg 3.09(1)(b)(ii) Description of activities undertaken during the reporting period

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| *For the 12 month period relating to the report provide an overview of the work, studies and evaluation undertaken, and the results of these.*  *NOPTA is seeking a high-level summary that highlights key activities undertaken and their results, during the reporting period. It is anticipated that this should not be more than 2-3 pages in length.*  *This section should outline the outcomes from any survey, drilling and geological and geophysical work undertaken during the period and how this has contributed towards understanding the storage potential of the permit and any implications for the exploration strategy being pursued.*  *In relation to geological and geophysical work undertaken provide a concise overview of what studies were undertaken and completed, the results of the work, evaluation and studies and how this has improved the understanding of the storage capacity of the area, including details about leads and prospects identified as outlined below.*  *The information should be set out according to activity.*  *1.1 Geological Studies*  *[insert overview]*  *1.2 Geophysical Studies*  *[insert overview]*  *1.3 Other studies (eg geomechanical studies, engineering studies, static/dynamic modelling)*  *[insert overview]*  *1.4 Seismic acquisition*  *[insert overview]*  *1.5 Drilling*  *[insert overview]* |

Reg 3.09(1)(b)(ii)Details of leads and prospects\*

*Regulation 3.09 (1)(b)(ii) requires details about any leads and prospects identified but does not specify how these details should be reported. NOPTA suggests the following level of detail to address the Regulations.*

*\*NOTE: NOPTA recommends the SPE CO2 Storage Resources Management System for reporting. For the purposes of GHG ATARs – ‘****leads and prospects****’ can be considered to be the equivalent of* ***any potential and eligible GHG storage formations*** *that are being evaluated in the title.*

*Please provide details of all leads and prospects discovered or further evaluated during the reporting period.*

*This should include:*

* *An A4 sized map that clearly shows the location and outline of all leads and prospects within the permit area that are currently considered valid*
* *A summary of all leads and prospects in the table below, providing details of:*
  + *the play elements for prospects and leads e.g. storage reservoir/s, sealing mechanism, attribute or feature, etc.*
  + *which of the leads and prospects have been progressed or identified during the reporting period;*
  + *any change in the understanding of these leads and prospects as a result of work undertaken during the year.*

| **Name of Prospect / Lead / Storage Formation** | **System**  **(Target Reservoir/s)** | **Sealing Mechanism /Attribute /Feature** | **New (identified during the year) or Existing** | **Progressed During the Year (Y/N)** | **Summary of progress in characterisation or understanding of lead/ prospect/storage formation**  **(e.g., new seismic, revised mapping, new modelling, change to resource estimate, plans for drilling)** |
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### Storage potential associated with key prospects/storage formations

| **Name of Prospect / Storage Formation** | **Reference Date** | **Prospective GHG Storage Resources (Mt)** | | |
| --- | --- | --- | --- | --- |
| **Low** | **Best** | **High** |
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Reg 3.09(1)(d)(i)Activities to be undertaken during the next 12 months

*Please provide a summary of expected work activities and expenditure commitments in the table provided below:*

| **Permit Year [work program year]** | **Start and End Date for Permit Year** | **Minimum work requirement**  **(as per title instrument)** | **Any above work program activity planned or scheduled** | **Estimated Expenditure**  **Constant dollars (indicative only)**  **$AU**  **(as per title instrument)** | **Expected start date** | **Expected date of completion** |
| --- | --- | --- | --- | --- | --- | --- |
| 4 | *12/1/2026 to 11/1/2027* | *Dynamic modelling* | *500 km2 3D seismic reprocessing* | *$1,000,000* | *12/1/2026* | *12/11/2026* |

*Note – details are only required for permit years covered by the next reporting period.*

*A description of specific geological, geophysical or other technical studies included in the work program for the next 12 months, if any*

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Reg 3.09(1)(d)(ii) *A description of the measures taken by the titleholder during the current permit year in preparation for completing the future work identified above*

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Reg 3.09(1)(e) Information required in relation to title condition

*Any other information required to be included under a condition of the title.*

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Reg 3.09(2)Identified GHG Storage Formations

Discretionary Information

*Information provided to NOPTA in relation to Identified GHG Storage Formations is not required to be regularly updated after the Declaration of an Identified Storage Formation, which remains in place while the title remains in force. As the period between the declaration and an application for a Site Plan/GHG Injection Licence can be significant, NOPTA would appreciate if titleholders could provide an update to the current understanding of the fundamental suitability determinants and/or storage potential estimates for any identified GHG storage formations that have been declared within the GHG Assessment Permit.*

*NOPTA is seeking to capture any significant changes/revisions to the titleholders understanding of any identified GHG storage formations during the appraisal process. Reporting should be based upon the current understanding of the Titleholder/Joint Venture and it is not expected that the Titleholder undertake additional administrative work or technical work.*

*Where there is an identified GHG storage formation within the assessment permit and work undertaken has led to a significant revision to the understanding of the identified GHG storage formation from that submitted as part of an application for the declaration of an identified GHG storage formation, please provide a description of the work that has lead to the revision and outline how the understanding of the identified GHG storage formation has changed.*

| **Storage Formation Name:** | | **Reference Date:** | |
| --- | --- | --- | --- |
| **Reservoir Name:**  **Sealing mechanism, attribute or feature:**  **Engineering Enhancements (if any):** | | **GHG substance:**  **No. Injection points:**  **Injection period:**  **Estimated injection rate (Mtpa):** | |
| **Contingent Storage Resources (Mt)** | | | |
| **1C** | **2C** | | **3C** |
|  |  | |  |

***Note:*** *Contingent Storage Resources as defined by the SPE SRMS 2017*

[*https://www.spe.org/media/filer\_public/0d/3e/0d3efcb5-57a8-4db2-ac94-6a1be0de61df/srms\_sep2022\_w\_errata.pdf*](https://www.spe.org/media/filer_public/0d/3e/0d3efcb5-57a8-4db2-ac94-6a1be0de61df/srms_sep2022_w_errata.pdf)

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| *Insert a description and results of the work conducted that lead to the revision:* |

Reg 3.09(2)Additional information

Discretionary Information

*Any other relevant information that the permittee wishes to provide.*

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Reg 3.09(1)(c)List of reports submitted to the Titles Administrator or responsible Commonwealth Minister during the reporting period

| **Date Submitted** | **Document/Item Name/Version** | **Related work program activity [include activity name]** |
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