**COMMONWEALTH OF AUSTRALIA**

***Section 312(14)***

***Offshore Petroleum and Greenhouse Gas Storage Act 2006***

**DECLARATION OF IDENTIFIED GREENHOUSE GAS STORAGE FORMATION CALLIANCE**

I, **HON MADELEINE KING MP**, the responsible Commonwealth Minister, hereby declare the following block to be an identified greenhouse gas storage formation.

**INTERPRETATION**

In this document, “the Act” means the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*, and includes any Act with which that Act is incorporated, and words used in this document have the same respective meanings as in the Act.

**DESCRIPTION OF BLOCKS**

The reference hereunder is to the name of the map sheet of the 1:1,000,000 series prepared and established for the purposes of the Act and to numbers of the graticular sections shown thereon.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Storage Formation Name** | | Calliance | | |
| **Map Sheet** | | SD51 (Brunswick Bay) | | |
| **Block Nos.** | | | | |
| 2106 | 2107 | | 2108 | 2178 |
| 2179 | 2180 | | 2181 | 2250 |
| 2251 | 2252 | | 2253 | 2322 |
| 2323 | 2324 | |  |  |

Assessed to contain 14 blocks (Map at **Attachment 1**).

**ESTIMATE OF SPATIAL EXTENT**

The estimated lateral spatial extent for the Calliance Storage Formation is within the blocks described in the Table above. The vertical spatial extent of the Calliance Storage Formation is between the J10.0 and K50.0 horizons. This encompasses the Plover and Lower Vulcan, in addition to the Upper Vulcan, Echuca Shoals and Jamieson formations.

**FUNDAMENTAL SUITABILITY DETERMINANTS**

The fundamental suitability determinants of the Calliance Formation are:

|  |  |  |
| --- | --- | --- |
| Subsection 21(8)(a) | The amount of GHG substance that is suitable to store | Maximum storage amount of 145 Mt |
| Subsection 21(8)(b) | The GHG substance that is suitable to store | 97 mol% -100 mol% CO2 |
| Subsection 21(8)(c) | The injection point or points | Primary injection site:  3-5 injection wells approximately 3 km from each other and 10 km south of the Calliance field.  Contingent injection site:  1 injection well located approximately 5 km northeast of Calliance-1. |
| Subsection 21(8)(d) | The injection period | 31 years |
| Subsection 21(8)(e) | If subsection 21(1)(b) is applicable, the engineering enhancements | N/A |
| Subsection 21(8)(f) | The effective sealing feature, attribute or mechanism of the storage formation that enables permanent storage | Combination saline aquifer-structural trapping below the J50.0 to K50.0 deep-marine mudstone seal. |

Dated this 10th day of June 2024

Made under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*

of the Commonwealth of Australia

**HON MADELEINE KING MP**

**MINISTER FOR RESOURCES AND NORTHERN AUSTRALIA**

