



Samphire Uranium Project - Uranium Industry



WHO IS ALLIGATOR ENERGY?

Alligator Energy Ltd is an Australian development and exploration company focused on uranium and energy related minerals. The Alligator Energy leadership team has significant uranium experience, and the Company's projects include two uranium projects in South Australia (the Samphire Project near Whyalla, and Big Lake in northern SA), the Alligator Rivers uranium project (Northern Territory) and a cobalt-nickel focused project in Piedmont, Italy.



URANIUM

Increasingly, uranium's use as an alternate source is increasing due to its use in low emission energy production. Uranium's high energy density enables nuclear power plants to generate large amounts of electricity efficiently. Nuclear power provides around 10 per cent of the world's power, providing zero emission electricity to billions of people.

Alligator Energy acknowledges and respects that the topic of uranium is a concerning one for some people. We will always work to better understand any concerns people have and provide information about the project and the environmental protections that must be followed as transparently and openly as possible.

**To find out more about Alligator
Energy's projects, you can reach us at:**



Call our community
line on
(07) 3839 3904



Email:
feedback@alligatorenergy.com.au



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alligatorenergy.com.au/projects/samphire



AUSTRALIAN URANIUM

Australia has the largest reserves of uranium in the world, representing approximately 28% of the world's uranium resources, and is the world's third largest producer of uranium. All Australia production is exported for electrical power generation as Australia is party to the Nuclear Non-Proliferation Treaty (NPT) which means it can only be used for medical or energy purposes.

The uranium industry is one of the most highly regulated in the world. Australia is regarded as a world-leader in uranium industry legislation and regulation – many other countries have or are following Australia to ensure the safety and security of the industry within their jurisdictions. In Australia, under current state laws uranium mining is currently allowed in the Northern Territory and South Australia and for mines approved prior to 2017 in Western Australia. Uranium exploration and/or operations are not permitted in New South Wales and Queensland.

In South Australia, uranium exploration and mining is governed by: Mining Act 1971 and Mining Regulations 2020 made under the Act; the Radiation Protection and Control Act 2021; the Native Vegetation Act 1991 and the Environment Protection and Biodiversity Conservation Act 1999 (Cwth). The Act and the Regulations require a series of licenses for both exploration and mining on-ground works. Australian uranium mines are regularly inspected by the International Atomic Energy Agency (IAEA).

South Australia has five approved uranium mines, all of which have operated and are regulated by the SA Government Department for Energy and Mining, the EPA and the Department for Environment and Water.

Before any uranium mine can be developed in Australia, it must be assessed and approved by the federal and state/territory governments. A typical assessment and approval process takes at least three years from referral to ministerial approval.

All mining activity, including uranium mining, has an environmental impact which is moderated through an environmental assessment and approval process, strict mining conditions, and performance monitoring and reporting both during operations and afterwards until Government is satisfied rehabilitation has been achieved. The environmental performance of the uranium industry is scrutinised comprehensively with detailed State, National and International reporting requirements. Australian legislation covering the regulation of uranium is managed by the Australian Safeguards and Non-Proliferation Office (ASNO).



COMMUNITY ENGAGEMENT

Alligator Energy strives to build collaborative relationships with all stakeholders who may be impacted by or have an interest in the Company's activities. Environmentally, our ethos is to work closely with stakeholders to ensure any land we work on is returned to a better state than we began with. We maintain a relentless and innovative focus on managing the environment in which we work, along with the health and safety of our employees, contractors and nearby communities.

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