



Chief Executive Officer
Shire of Tammin
Email – shire@tammin.wa.gov.au

Dear Sir/Madam

2H2-PERTH-AREA D SURVEY - REFERRAL TO SHIRE PURSUANT TO SECTION 15A OF THE PETROLEUM AND GEOTHERMAL ENERGY RESOURCES ACT 1967

I have received a proposal from 2H Resources Pty Ltd (2HR) and Gehyra Flux Pty Ltd (Gehyra) that involves accessing reserved, declared or otherwise dedicated land. Before I give my consent as the Delegate of the Minister for Mines and Petroleum pursuant to section 15A of the *Petroleum and Geothermal Energy Resources Act 1967* (PGERA), I am seeking your comments, if any, that I should consider when giving my consent.

Please note, currently it is not my intention to impose specific conditions in relation to my consent.

2HR and Gehyra have applied for the grant of a Petroleum Special Prospecting Authority with Acreage Option (SPA/AO), pursuant to the PGERA. The 2H2-Perth-Area-D survey (the survey) is a work program commitment for the SPA/AO. 2HR and Gehyra intend to undertake the survey over an area that co-exists with road reserves that are within the boundaries of the Shire (please see attached tenograph appraisal for further details). The area over which the survey is being conducted is outlined in the attached map.

The survey is proposed as a soil gas sampling survey, with a total sampling traverse length of 484 km, where a minimum of 97 sites are specified for spot sample measurements. The survey will take six months, with a start date dependent on any applicable statutory processes.

All spot samples will be taken by inserting probes into the soil within the road reserve to limit encroachment onto private property. The collection of soil gas samples will be conducted directly using a gas vapour probe (GVP). The dedicated tip will be driven to a desired depth (up to one metre) and retracted, to expose a stainless-steel mesh to create an open void for sampling. The soil gas samples will be taken to a nearby onsite field laboratory, where the helium concentration will be analysed using a gas chromatograph. No physical samples will be collected; only an air gas reading obtained. The duration at

each site, from arrival to rehabilitation, is approximately 30 minutes. The soil gas sampling results will guide the future exploration program, which will determine if the measured migrating natural gases are indicative of deeper accumulations which can be produced in commercial quantities.

Surveys are regulated activities that require environmental approval under the Petroleum and Geothermal Energy Resources (Environment) Regulations 2012. 2HR and Gehyra must have an approved Environment Plan before they can commence the survey. Please note, stakeholder engagement and traffic management, among several other factors, are addressed in those plans.

Please submit any comments that you wish to make on the proposed survey within four weeks of the date of this letter, by email to petroleum.titles@dmirs.wa.gov.au. If no comments are received by date the application will be determined with the information at hand.

Yours sincerely

Lara Haenga

Lara Haenga | Senior Titles Officer
Resource Tenure Division
18 April 2024

Attached: Cadastre Map
Application form
Shapefiles
Tengraph appraisal