

**ASX**

AUSTRALIAN SECURITIES EXCHANGE

MARKET RELEASE

17 May 2010

Fission Energy Limited**TRADING HALT**

The securities of Fission Energy Limited (the "Company") will be placed in pre-open at the request of the Company, pending the release of an announcement by the Company. Unless ASX decides otherwise, the securities will remain in pre-open until the earlier of the commencement of normal trading on Wednesday, 19 May 2010 or when the announcement is released to the market.

Security Code: **FIS**
 FISO

Jill Hewitt
Adviser Issuers (Perth)



Fission Energy Ltd

ACN 119 057 457

17 May 2010

Mr Nicholas Ong
Adviser Issuer, Perth
Australian Securities Exchange
Level 8 Exchange Plaza
2 The Esplanade
PERTH WA 6000

By facsimile: 9221 2020

Dear Mr Ong,

FISSION ENERGY LTD (ASX Code: FIS, FISO) – TRADING HALT

We request that a trading halt be placed on Fission Energy Ltd shares and options pending the release of an announcement regarding Nickel Sulphide exploration activities at the Mt Thirsty Project to be lodged not later than the commencement of trading on Wednesday 19 May 2010.

Fission Energy Ltd is not aware of any reason that a trading halt should not be granted.

Yours faithfully

Aaron P. Gates
Company Secretary