LGL Limited, environmental research associates 1101 E. 76th Ave, Suite B Anchorage, AK, 99518 USA

07 September 2009

Lamont-Doherty Earth Observatory 61 Route 9W, P.O. Box 1000 Palisades, NY, 10964-8000

Re: Toomey Week 2 Monitoring Report for 31 Aug. - 06 Sept. 2009

Dear Meagan,

During the period 31 Aug. – 06 Sept., the marine mammal observers (MMOs) on the *Langseth* conducted ~94.7 h of visual observations; all of which took place during seismic acquisition (Table 1). No marine mammal sightings were made during this period; thus, no shut downs or power downs of the airgun array were required. Beaufort wind force (sea state; Bf) during observations aboard the *Langseth* ranged from 2 to 6 within the study area, with 38.2% of the total effort (in h) occurring during conditions of Bf \leq 3 and visibility \geq 6 km.

Passive Acoustic Monitoring (PAM) took place for a total of ~149.3 h; all PAM effort occurred during seismic operations (Table 1). There were no acoustic detections made during this period.

| Date 2009 | Visual effort (h) | | PAM* effort (h) | |
|-----------|-------------------|------------|-----------------|------------|
| | Seismic | No Seismic | Seismic | No Seismic |
| 31 Aug. | 13.65 | 0 | 9.37 | 0 |
| 01 Sept. | 13.52 | 0 | 21 | 0 |
| 02 Sept. | 13.63 | 0 | 24 | 0 |
| 03 Sept. | 13.47 | 0 | 23.48 | 0 |
| 04 Sept. | 13.73 | 0 | 23.45 | 0 |
| 05 Sept. | 13.48 | 0 | 24 | 0 |
| 06 Sept. | 13.23 | 0 | 24 | 0 |
| Totals | 94.7 | 0 | 149.3 | 0 |

Table 1: Monitoring Effort during L-DEO's Toomey survey, Week 2, 31 Aug. - 06 Sept. 2009

* PAM summary by G. Caltavuturo, Right Waves.

Sincerely yours,

Joseph Beland

LGL LIMITED, environmental research associates

MMOs: Joseph Beland, Giovanni Caltavuturo, Brad Dawe, Kyla Graham, Megan Meyer, John Nicolas