

FNGINFFRING & MANAGEMENT, INC.

Dr. Bob Harrington Inyo County Water Department 135 South Jackson Street Independence, CA 93526 April 30, 2015

RE: Summary of Hydrologic Monitoring Activities, April 2015

Rose Valley, Inyo County, California Hay Ranch Project Conditional Use Permit #2007-03

Dear Dr. Harrington:

This letter summarizes hydrologic monitoring activities conducted in April 2015 by TEAM Engineering & Management, Inc. (TEAM), related to the Hay Ranch Water Extraction Project and CUP #2007-03.

Background

As outlined in the Hay Ranch Water Extraction Final EIR's Hydrologic Monitoring and Mitigation Plan (HMMP), Phase 1: Monitoring System Setup and Supplemental Data Collection occurred prior to December 25, 2009 at monitoring points throughout Rose Valley. With the initiation of pumping by Coso Operating Company (COC) on December 25, 2009, the Hay Ranch Water Extraction Project entered into the Phase 2: Startup Monitoring and Reporting period. Phase 3: Model Recalibration and Redefinition of Pumping Rates and Durations occurred from September 2010 to April 2011, with recalibration of the groundwater model by Daniel B. Stephens & Associates (DBS&A) and with redefinition of pumping rates and durations by Inyo County Water Department (ICWD). With the April 1, 2011 issuance of the ICWD's "Addendum to the HMMP for CUP#2007-003/Coso Operating Company, LLC" (2011 ICWD Addendum) the project entered Phase 4: Ongoing Monitoring, Mitigation and Reporting. In August 2013 further model revision occurred with results and new trigger levels detailed in ICWD's August 30, 2013 letter to Chris Ellis, Site Manager, Coso Operating Company, LLC regarding Conditional Use Permit #2007-003/Coso. In June 2014 further model revision was conducted by DBS&A with results and new trigger levels detailed in ICWD's June 27, 2014 letter to Chris Ellis, Site Manager, Coso Operating Company, LLC regarding Conditional Use Permit #2007-003/Coso.

Monitoring and Reporting

During the April 2015 monthly hydrologic data collection event at the monitoring locations in the Rose Valley area, static depth-to-water (DTW) measurements, one visual observation of the Little Lake Ranch (LLR) Siphon Well Outflow and four sets of flow rates were collected by TEAM, as summarized in the attached table (Table 1). Data for this monthly field event was collected on April 22-23, 2015. Pressure transducer data was downloaded from monitoring units, including one "BaroTroll" measuring barometric pressure. Also in April, a DTW measurement at LADWP 816 Well was taken by LADWP personnel.

At the Hay Ranch Property, COC has pumped groundwater from two production wells: Hay Ranch North and Hay Ranch South. For the current year of project pumping (January 2, 2015 to April 22, 2015) a total of approximately 487 acre feet (AF) of groundwater have been extracted from the Hay Ranch property (485 AF from the Hay Ranch North Well, and 2 AF from the Hay Ranch South Well).

Figure 1 presents the combined amount of groundwater pumped from the Hay Ranch North and South wells, in acre feet, from December 25, 2009 through April 22, 2015 compared to the maximum allowable pumping amounts. The total amount of groundwater extracted from the Hay Ranch property from December 25, 2009 to April 22, 2015 (Hay Ranch CUP project total) is approximately 14,765 AF. The

maximum allowable pumping rate was approximately 3,000 acre-feet per year (AFY) for December 25, 2009 through December 31, 2010; was 4,839 AFY from January 1, 2011 through August 30, 2013; was 3,040 AFY from September 2013 through June 2014; and is 1,614 AFY from July 1, 2014 to June 30, 2016. Coso Operating Company has been and currently is pumping less than the maximum allowable amount of groundwater from the Hay Ranch Wells.

Trigger Levels and Maximum Acceptable Drawdowns

In Table 1 of the June 27, 2014 ICWD Letter to Coso Operating Company, Drawdown at Cessation of Pumping Trigger Levels (Trigger Levels) and Maximum Acceptable Drawdowns have been set for specific monitoring wells based on a pumping rate of 1,614 AFY starting on July 1, 2014.

Based on data collected by TEAM during the April 2015 monitoring event, no Trigger Levels or Maximum Acceptable Drawdowns have been exceeded at Hay Ranch Project monitoring wells which have baselines and trigger levels established (Table 2).

Operational Notes

During the March to April 2015 period, the two project wells on Navy property were not available to be monitored; these wells will be monitored in May.

Data Transmittal

TEAM posted updates to the "Coso" database on the ICWD web server. New Hay Ranch Project hydrographs in PDF form were uploaded to the ICWD website (www.inyowater.org).

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If you have any questions or require additional information, please contact TEAM at your convenience.

Sincerely,

TEAM Engineering & Management, Inc.

Keith Rainville Project Geologist

TABLE 1

Field Observations of Rose Valley Hydrologic Monitoring Points April 22-23, 2015

| Project Name: | Hay Ranch Project HMMP | Date: April 22-23, 2015 | | | |
|---------------|--------------------------|-------------------------|--|--|--|
| Location: | Rose Valley, Inyo County | | | | |
| Observer(s): | K. Rainville | Page: 1 of 1 | | | |

| Well ID | Monitoring Point | Date | Time | DTW | Flow | GWE | Method | Transducer | Notes |
|---------|----------------------------------|----------|-------|--------|-------|-----------|-------------------|--------------|---|
| | | | | (ft) | (cfs) | (ft amsl) | | Log Interval | |
| RV-10 | Dews | 04/22/15 | 14:15 | 231.87 | | 3755.05 | TEAM manual read | NA | |
| RV-20 | LADWP 816 | 02/09/15 | 11:54 | 76.67 | | 3438.39 | LADWP manual read | NA | Data provided by LADWP |
| RV-30 | Cal Pumice | 04/22/15 | 11:00 | 261.12 | | 3244.77 | TEAM manual read | Hourly | |
| RV-40 | Dunmovin | NM | NM | NM | | NM | TEAM manual read | NA | Discontinued due to new in-well infrastructure |
| RV-50 | Hay Ranch North | 04/22/15 | 13:10 | NM | Yes | NM | TEAM manual read | NA | 2,873,124,059 gallons (8817 AF) pumped since 12/25/09 |
| RV-60 | Hay Ranch 1A | 04/22/15 | 13:20 | 201.15 | | 3231.02 | TEAM manual read | Hourly | |
| RV-61 | Hay Ranch 1B | 04/22/15 | 13:25 | 223.87 | | 3207.98 | TEAM manual read | Hourly | |
| RV-62 | Hay Ranch 1C | 04/22/15 | 13:30 | 219.90 | | 3211.60 | TEAM manual read | Hourly | |
| RV-70 | Hay Ranch South | 04/22/15 | 13:11 | NM | No | NM | TEAM manual read | NA | 1,938,186,782 gallons (5948 AF) pumped since 12/25/09 |
| RV-80 | Hay Ranch 2A | 04/22/15 | 13:45 | 201.91 | | 3231.09 | TEAM manual read | Hourly | |
| RV-81 | Hay Ranch 2B | 04/22/15 | 13:40 | 220.90 | | 3211.73 | TEAM manual read | Hourly | |
| RV-82 | Hay Ranch 2C | 04/22/15 | 13:35 | 212.42 | | 3219.68 | TEAM manual read | Hourly | |
| RV-90 | Coso Jct Ranch | 04/22/15 | 11:15 | 174.98 | | 3228.15 | TEAM manual read | Hourly | |
| RV-100 | Coso Jct Store #1 | 04/22/15 | 11:30 | 147.45 | | 3224.67 | TEAM manual read | Hourly | |
| RV-110 | Davis Ranch North Well | 04/23/15 | 9:30 | 6.56 | | 3886.50 | TEAM manual read | Hourly | |
| RV-111 | Davis Ranch South Well | 04/23/15 | 9:40 | 11.31 | | 3886.75 | TEAM manual read | Hourly | |
| RV-112 | Davis Ranch South Flow | 04/23/15 | 9:50 | NA | 0.007 | NA | TEAM manual read | Hourly | |
| RV-120 | Red Hill Well (BLM) | 04/22/15 | 11:55 | 140.47 | | 3200.36 | TEAM manual read | Hourly | |
| RV-130 | G-36 | 04/22/15 | 12:10 | 181.93 | | 3198.09 | TEAM manual read | NA | |
| RV-140 | Lego | 03/18/15 | 13:05 | 223.80 | | 3199.05 | TEAM manual read | Hourly | |
| RV-150 | Cinder Road | 04/22/15 | 12:50 | 191.61 | | 3186.35 | TEAM manual read | Hourly | |
| RV-160 | 18-28 GTH | 03/18/15 | 12:55 | 174.43 | | 3188.15 | TEAM manual read | Hourly | |
| RV-170 | Fossil Falls Campground | 04/22/15 | 12:30 | 141.61 | | 3175.16 | TEAM manual read | NA | |
| RV-180 | LLR North Well | 04/23/15 | 10:30 | 40.40 | | 3158.70 | TEAM manual read | Hourly | |
| RV-210 | LLR Dock Well | 04/23/15 | 10:45 | 5.90 | | 3148.24 | TEAM manual read | Hourly | |
| RV-220 | LLR Stilling Well (lake surface) | 04/23/15 | 10:50 | 3.27 | | 3147.77 | TEAM manual read | Hourly | |
| RV-230 | LLR Little Lake Outflow | 04/23/15 | 11:20 | NA | 0.03 | NA | TEAM manual read | Hourly | |
| RV-240 | LLR Coso Springs Flow | 04/23/15 | 11:05 | NA | 0.43 | NA | TEAM manual read | Hourly | |
| RV-245 | LLR North Culvert Flow | 04/23/15 | 11:35 | NA | 0.07 | NA | TEAM manual read | Hourly | |
| RV-250 | LLR Siphon Discharge | 04/23/15 | 11:30 | NA | Yes | NA | TEAM visual read | NA | Siphon Well flowing into Pond 2 |
| RV-260 | LLR Hotel Well | 04/23/15 | 12:15 | -0.14 | | 3138.92 | TEAM manual read | Hourly | |

NM - not measured; NA - not applicable; IO - Inoperative; UA - Data currently unavailable

GWE- Groundwater elevation in feet above mean sea level (ft amsl)

DTW - Depth to water in feet (ft) below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point

Flow - In cubic feet per second (cfs)

TABLE 2Hay Ranch Project Groundwater Baselines and Trigger Levels
April 2015

| Well ID | Monitoring Point | Baseline GWE ¹ | Recent Date | Recent GWE | Recent GWE | Trigger Level | Recent GWE | Recent GWE |
|---------|-------------------|---------------------------|----------------|-------------|--------------------------------|--------------------------------|----------------------------------|----------------------------------|
| | | (feet amsl) | of Measurement | (feet amsl) | Compared to Baseline (feet) | At Cessation of Pumping (feet) | Compared to Trigger Level (feet) | Above Max DD ² (feet) |
| RV-80 | HR 2A | 3240.92 | 04/22/15 | 3231.09 | -9.83 | 15.3 | 5.47 | 6.67 |
| RV-90 | Coso Jct Ranch | 3230.65 | 04/22/15 | 3228.15 | -2.50 | 9.3 | 6.80 | 6.80 |
| RV-100 | Coso Jct Store #1 | 3227.59 | 04/22/15 | 3224.67 | -2.92 | 8.3 | 5.38 | 5.48 |
| RV-120 | Red Hill Well | 3200.66 | 04/22/15 | 3200.36 | -0.30 | 3.0 | 2.70 | 3.50 |
| RV-130 | G-36 | 3198.35 | 04/22/15 | 3198.09 | -0.26 | 2.2 | 1.94 | 3.04 |
| RV-140 | Lego | 3199.21 | 03/18/15 | 3199.05 | -0.16 | 0.7 | 0.54 | 2.24 |
| RV-150 | Cinder Road | 3186.92 | 04/22/15 | 3186.35 | -0.57 | 1.0 | 0.43 | 1.73 |
| RV-160 | 18-28 GTH | 3187.67 | 03/18/15 | 3188.15 | 0.48 | 0.7 | 1.18 | 2.58 |
| RV-180 | LLR North Well | 3158.88 | 04/23/15 | 3158.70 | -0.18 | 0.4 | 0.22 | 1.12 |

¹⁾ GWE: Groundwater elevation measured in feet above mean sea level. Baseline GWEs set January 2010 and March 2011 and approved by Inyo County Water Department (ICWD)

²⁾ Max DD: Maximum Acceptable Drawdown from Table 1 of ICWD's "June 27, 2014 Conditional Use Permit#2007-003/Coso "

³⁾ Trigger Level at Cessation of Pumping from Table 1 of ICWD's "June 27, 2014 Conditional Use Permit#2007-003/Coso"

FIGURE 1
ACTUAL AND MAXIMUM ALLOWABLE PUMPING AMOUNTS (TOTALS) FOR HAY RANCH PROJECT

