Basin and Range Watch P.O. Box 153 Baker, CA 92309 www.basinandrangewatch.org 
 DOCKET

 07-AFC-5

 DATE
 DEC 18 2009

 RECD
 DEC 18 2009

December 18, 2009

Paul Kramer California Energy Commission Systems Assessment and Facilities Siting Division 1516 9<sup>th</sup> Street Sacramento, CA 95814-5504

Dear Mr. Kramer,

Please accept this information concerning the photo database exhibit 800.

File name--numbered.

- Brief description of the material—-all photographs are digital photos and have not been simulated and are not artist's renderings .
- For photographs, when and where the photos were taken (date, time of day, distance from the proposed site, and other identifying information). see under each photo. Lens size, speed and aperture of the photos.—All photographs are taken with a Nikon D70, with Nikkor 18-70 mm lens unless otherwise stated. All photographs are digital "Daylight" mode, speed and aperture do not apply.

Source of materials, including any website references for the source materials. –All photographs are taken by Laura Cunningham and are the sole possession of Laura Cunningham, except where otherwise stated.

Sincerely,

Kevin Emmerich Laura Cunningham P.O. Box 70 Beatty, NV 89003 atomictoadranch@netzero.net

Photo 1

Mojave yucca, Ivanpah 2 on Ivanpah Solar Generating System (ISEGS) project site. 11 February 2009, afternoon. Looking northwest. (Photo by Laura Cunningham)

2

Ivanpah 2 on Ivanpah Solar Generating System (ISEGS) project site. 11 February 2009, afternoon. Looking north towards large Metamorphic Hill. (Photo by Laura Cunningham)

# 3

Looking at the ISEGS project site from the Nipton turnoff by Interstate highway 15. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# 4

Pencil cholla. Ivanpah 2 on Ivanpah Solar Generating System (ISEGS) project site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# 5

Desert dandelion (*Malacothrix glabrata*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 6

Desert marigold (*Baileya multiradiata*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 7

Woolly daisy (*Eriophyllum wallacei*). Ivanpah 2 site. 5 April 2009, afternoon.

(Photo by Laura Cunningham)

# 8

Threadleaf groundsel (*Senecio flaccidus*). Little Limestone Hill next to Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 9

Annual buckwheat (*Eriogonum* sp.). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 10

Fremont phacelia (*Phacelia fremontii*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 11

Copper's desert thorn (*Lycium cooperi*). Ivanpah 2 site. 5 April 2000, afternoon. (Photo by Laura Cunningham)

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Flowering Purple sage (*Salvia dorrii*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham

# 13

Mojave Aster (Xylorhiza tortifolia). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 14

Common checkered beetle (*Trichodes ornatus*) on flowers of Mojave aster (*Xylorhiza tortifolia*). Ivanpah 3 site. 5 April 2009, afternoon.

Lens: Sigma 50mm Macro. (Photo by Laura Cunningham)

# 15

Turpentine broom (*Thamnosma montana*). Small Limestone Hill next to Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 16

Coyote tobacco (*Nicotiana obtusifolia*). Small Limestone Hill next to Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 17

Forget-me-not (*Cryptantha* sp.). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 18

Trumpet buckwheat (*Eriogonum inflatum*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 19

Fiddleneck flower (*Amsinckia tessellata*). Ivanpah 3 site. 5 April 2009, afternoon.

Lens: Sigma 50mm Macro. (Photo by Laura Cunningham)

Elegant lupines (*Lupinus concinnus*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

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Gilia (*Gilia* sp.). Ivanpah 3 site. 5 April 200, afternoon. Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 22

Notch-leaf phacelia (*Phacelia crenulata*). Ivanpah 3 site. 5 April 2009, afternoon.

Lens: Sigma 50mm Macro. (Photo by Laura Cunningham)

# 23

Cave-dwelling evening primrose (*Oenothera cavernae*) (Photo used with permission by Michael Charters, www.calflora.net)

# 24

Rattlesnakeweed (*Chamaesyce albomarginata*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 25

Tiny Comb-burs (*Pectocarya* sp.). Ivanpah 2 site. 5 April 20009 afternoon. (Photo by Laura Cunningham)

# 26

Mojave yucca (*Yucca schidigera*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 27

Clark Mountain agave (*Agave utahensis* var. *nevadensis*), Stateline Wilderness, 7 June 2009. (Photo by Laura Cunningham)

# 28

Fluffgrass (*Erioneuron pulchellum*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

Big galleta (*Hilaria* [*Pleuraphis*] *rigida*). Ivanpah 2 site. 5 April 2009, afternoon.

# 30

Creosote bush (*Larrea tridentata*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 31

Creosote bush flowers (*Larrea tridentata*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 32

Catclaw acacia (*Acacia greggii*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 33

Desert almond (*Prunus fasciculata*). Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 34

Beavertail (*Opuntia basilaris*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 35

Pencil cholla (*Cylindropuntia ramosissima*). Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

#### 36

Desert barrel cactus (*Ferocactus cylindraceus*). Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

#### 37

Silver cholla (*Cylindropuntia echinocarpa*). Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

Buckhorn cholla (*Cylindropuntia acanthocarpa* var. *coloradensis*). Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# 39

Calico cactus (*Echinocereus engelmannii*). Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# 40

Desert puffball (*Podaxis pistillaris*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 41

Cryptogamic crust in soil. Ivanpah 2 site. 5 April 2009, afternoon. Lens: Sigma 50mm Macro. (Photo by Laura Cunningham)

# 42

California patch *(Chlosyne californica)*. Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 43

Desert iguana (*Dipsosaurus dorsalis*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 44

Western banded gecko (*Coleonyx variegatus*) in southern Ivanpah Valley, 6 June 2009, night. (Photo by Laura Cunningham)

#### 45

Desert horned lizard (*Phrynosoma platyrhinos*) in southern Ivanpah Valley. 6 June 2009, morning. (Photo by Laura Cunningham)

46

Long-nosed leopard lizard (*Gambelia wislizenii*) in southern Ivanpah Valley. 6 June 2009, morning. (Photo by Laura Cunningham)

## 47

Coachwhip *(Masticophis flagellum)* in southern Ivanpah Valley. 6 June 2009, morning. (Photo by Laura Cunningham)

# 48

Leaf-nosed snake *(Phyllorhynchus decurtatus*) on Yates Well Rd. 6 June 2009, night. (Photo by Laura Cunningham)

## 49

Sidewinder (*Crotalus cerastes*) in southern Ivanpah Valley. Ivanpah 1 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 50

Mojave rattlesnake (*Crotalus scutulatus*) in southern Ivanpah Valley. 6 June 2009, morning. (Photo by Laura Cunningham)

## 51

Desert tortoise (*Gopherus agassizii*) burrow. Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 52

Desert tortoise (*Gopherus agassizii*) in southern Ivanpah Valley DWMA. 6 June 2009, morning. (Photo by Laura Cunningham)

# 53

Merriam's kangaroo rat (*Dipodomys merriami*) in southern Ivanpah Valley. 6 June 2009, morning. (Photo by Laura Cunningham)

#### 54

Bobcat *(Lynx rufus)* tracks. Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

#### 55

Desert Bighorn Sheep *(Ovis canadensis nelsoni)* in Stateline Wilderness Area. 7 June 2009, afternoon. (Photo by Laura Cunningham)

Desert Bighorn Sheep *(Ovis canadensis nelsoni)* pellets near Willow Spring, Mojave National Preserve west of the project site. 27 November 2009, afternoon. (Photo by Laura Cunningham)

# 57

Ash-throated flycatcher *(Myiarchus cinerascens).* Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 58

Cactus Wren *(Campylorhynchus brunneicapillus).* Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 59

Loggerhead shrike in flight *(Lanius ludovicianus).* Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

60

Le Conte's Thrasher\_(*Toxostoma lecontei*). Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# **CULTURAL RESOURCES**

# 61

Prehistoric site on hill adjacent to project site Ivanpah 2 east side, 27 November 2009, afternoon. (Photo by Laura Cunningham)

62

Possible prehistoric trail. Ivanpah 3 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

63

Historical Artifacts. Ivanpah 3 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# **EPHEMERAL WASHES**

Ephemeral desert wash next to Metamorphic Hill. Next to Ivanpah 2 site. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# 65

View of ephemeral wash from Metamorphic Hill looking northwest. Overlooking Ivanpah 2 and 3 sites. 11 February 2009, afternoon. (Photo by Laura Cunningham)

# VISUAL RESOURCES

66

View of Stateline Wilderness Area looking north from the small Limestone Hill. Ivanpah 2 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

67

Clark Mountain, Mojave National Preserve looking west from proposed site. Ivanpah 3 site. 5 April 2009, afternoon. (Photo by Laura Cunningham)

## 68

View of the project site from the foothills of Clark Mountain, Mojave National Preserve, 27 November 2009, midday. (Photo by Laura Cunningham)

69

Direct view of project site from foothills of Clark Mountain, Mojave National Preserve, 27 November 2009, midday. (Photo by Laura Cunningham)

# 70

View of project site from foothills of Clark Mountain, Mojave National Preserve, 27 November 2009, midday. (Photo by Laura Cunningham)

71

Large bajada looking north towards Stateline Wilderness Area, near Ivanpah 3 western edge. 5 April 2009, afternoon. (Photo by Laura Cunningham)

# 72

Full Moon along Yates Well Road, between Ivanpah 1 and 2, 6 June 2009, night. (Photo by Laura Cunningham)

# 73

Dark sky looking north from project site towards Stateline Wilderness Area. Along Yates Well Road, between Ivanpah 1 and 2, 6 June 2009, night. (Photo by Laura Cunningham)

# 74

Barrel cactus and Mojave yucca. lvanpah 2. 11 Fenruary 2009, afternoon. (Photo by Laura Cunningham)

# 75

View of proposed ISEGS site from the Stateline Wilderness Area. 7 June 2009, afternoon. (Photo by Laura Cunningham)

## 76

View of project site from bajada approaching Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

## 77

View of project site approaching ridgeline in Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

#### 78

View of project site approaching ridgeline in Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

#### 79

View of project site from ridgeline in Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

#### 80

View of project site from the Umberci Mine site, near Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

#### 81

Broad view of project site from the Umberci Mine site, near Stateline Wilderness Area, 7 June 2009, afternoon. (Photo by Laura Cunningham)

#### DECLARATION OF SERVICE

I, Laura Cunningham declare that on December 18, 2009, I served and filed copies of the attached, testimony dated, December 18, 2009. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [www.energy.ca.gov/sitingcases/ivanpah].

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

#### (Check all that Apply)

#### FOR SERVICE TO ALL OTHER PARTIES:

X sent electronically to all email addresses on the Proof of Service list;

X by personal delivery or by depositing in the United States mail at Sacramento, California with firstclass postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred." **AND** 

#### FOR FILING WITH THE ENERGY COMMISSION:

X sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

OR

depositing in the mail an original and 12 paper copies, as follows:

#### CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 07-AFC-5 1516 Ninth Street, MS-4 Sacramento, CA 95814-5512 docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.

#### BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA 1516 NINTH STREET, SACRAMENTO, CA 95814 1-800-822-6228 – WWW.ENERGY.CA.GOV

1B1B1BAPPLICATION FOR CERTIFICATIONFOR THE IVANPAH SOLAR ELECTRICGENERATING SYSTEM

DOCKET NO. 07-AFC-5 PROOF OF SERVICE (Revised 11/23/09)

#### APPLICANT

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