URS

DOCKET
08-AFC-8
DATE MAR 03 2010
RECD. MAR 04 2010

March 3, 2010

Dockets Unit
California Energy Commission
1516 Ninth Street, MS 4
Sacramento, CA 95814

RE: Hydrogen Energy California Project
Application for Certification 08-AFC-8

On behalf of Hydrogen Energy International LLC, the applicant for the above-referenced Hydrogen Energy California AFC, we are pleased to submit the enclosed documents:

- Letter from the Tejon Tribe regarding HECA's transmission line surveys (see response to Data Request 65-1)
- FAA determinations of the Notices of Proposed Construction or Alteration, submitted as part of response to Data Request 152.

The enclosed document is being submitted to the CEC for docketing.

URS Corporation

Dale Shileikis
Vice President, Environmental Services

Enclosures

CC: Rod Jones (w/o enclosure)

URS Corporation
221 Main Street, Suite 600
San Francisco, CA 94105
Tel: 415.896.5858
Fax: 415.882.9261
www.urscorp.com

TEJON INDIAN TRIBE
2234 4TH STREET
WASCO, CALIFORNIA 93280

February 7, 2010

Mark Hale
Senior Project Archaeologist
URS Corp
221 Main Street, Suite 600
San Francisco, Ca. 94105-1917

Re: Hydrogen Energy International, LLC

Dear Mr. Hale:

Thank you for the letter dated December 9, 2009. We appreciate your project and hope we can help.
Although this is an area our ancestors used, at this time we have no information on this area. If any cultural artifacts are located, please contact us.

Gloria Morgan
Cultural Resources Manager
Tejon Indian Tribe
201 Warren St.
Taft, Ca. 93268
661-619-4504
Gmorgan2@earthlink.net

Sincerely,
Ken Morgan
Tejon Indian Tribe

Federal Aviation Administration Determinations
Received February 23, 2010

Federal Aviation Administration

« OE/AAA

Notice of Proposed Construction or Alteration - Off Airport

Project Name: HYDRO-000138467-10 **Sponsor:** Hydrogen Energy California LLC

Project Summary : HYDRO-000138467-10

Structure	City, State	Lat/Long	Map	Actions	Latest Letter
#C - Air Separation Column Can Determined 2010-AWP-1090-OE	Bakersfield, CA	35° 19' 43.08" N 119° 23' 17.00" W	Show Map	Create Fax Cover Upload a PDF	DNE
#G(NW) - Gasification Structur... Determined 2010-AWP-1096-OE	Bakersfield, CA	35° 19' 51.16" N 119° 23' 6.72" W	Show Map	Create Fax Cover Upload a PDF	DNE
#G(NE) - Gasification Structur... Determined 2010-AWP-1095-OE	Bakersfield, CA	35° 19' 51.17" N 119° 23' 5.99" W	Show Map	Create Fax Cover Upload a PDF	DNE
#G(SW) - Gasification Structur... Determined 2010-AWP-1094-OE	Bakersfield, CA	35° 19' 48.99" N 119° 23' 6.68" W	Show Map	Create Fax Cover Upload a PDF	DNE
#G(SE) - Gasification Structur... Determined 2010-AWP-1093-OE	Bakersfield, CA	35° 19' 49.00" N 119° 23' 5.96" W	Show Map	Create Fax Cover Upload a PDF	DNE
#4 - Heat Recovery Steam Gener... Determined 2010-AWP-1092-OE	Bakersfield, CA	35° 19' 46.44" N 119° 23' 17.26" W	Show Map	Create Fax Cover Upload a PDF	DNE
#8 - CO2 Vent Determined 2010-AWP-1091-OE	Bakersfield, CA	35° 19' 52.36" N 119° 23' 13.24" W	Show Map	Create Fax Cover Upload a PDF	DNE
#9 - Sulfur Recovery Unit Flare Determined 2010-AWP-1097-OE	Bakersfield, CA	35° 19' 42.80" N 119° 23' 13.13" W	Show Map	Create Fax Cover Upload a PDF	DNE
#I2 - Acid Gas Removal Methano... Determined 2010-AWP-1089-OE	Bakersfield, CA	35° 19' 47.60" N 119° 23' 10.94" W	Show Map	Create Fax Cover Upload a PDF	DNE
#10 - Gasification Flare Determined 2010-AWP-1088-OE	Bakersfield, CA	35° 19' 55.06" N 119° 23' 12.58" W	Show Map	Create Fax Cover Upload a PDF	DNE
#13 - Rectisol Flare Determined 2010-AWP-1087-OE	Bakersfield, CA	35° 19' 55.17" N 119° 23' 12.58" W	Show Map	Create Fax Cover Upload a PDF	DNE
#11(a) - Gasifier Warming Vent... Determined 2010-AWP-1086-OE	Bakersfield, CA	35° 19' 50.87" N 119° 23' 6.58" W	Show Map	Create Fax Cover Upload a PDF	DNE
#11(b) - Gasifier Warming Vent... Determined 2010-AWP-1085-OE	Bakersfield, CA	35° 19' 50.08" N 119° 23' 6.58" W	Show Map	Create Fax Cover Upload a PDF	DNE
#11(c) - Gasifier Warming Vent... Determined 2010-AWP-1084-OE	Bakersfield, CA	35° 19' 49.29" N 119° 23' 6.57" W	Show Map	Create Fax Cover Upload a PDF	DNE

Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1084-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #11(c) - Gasifier Warming Vent (c)
Location:	Bakersfield, CA
Latitude:	35-19-49.29N NAD 83
Longitude:	119-23-06.57W
Heights:	210 feet above ground level (AGL)
	499 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 210 feet above ground level (499 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

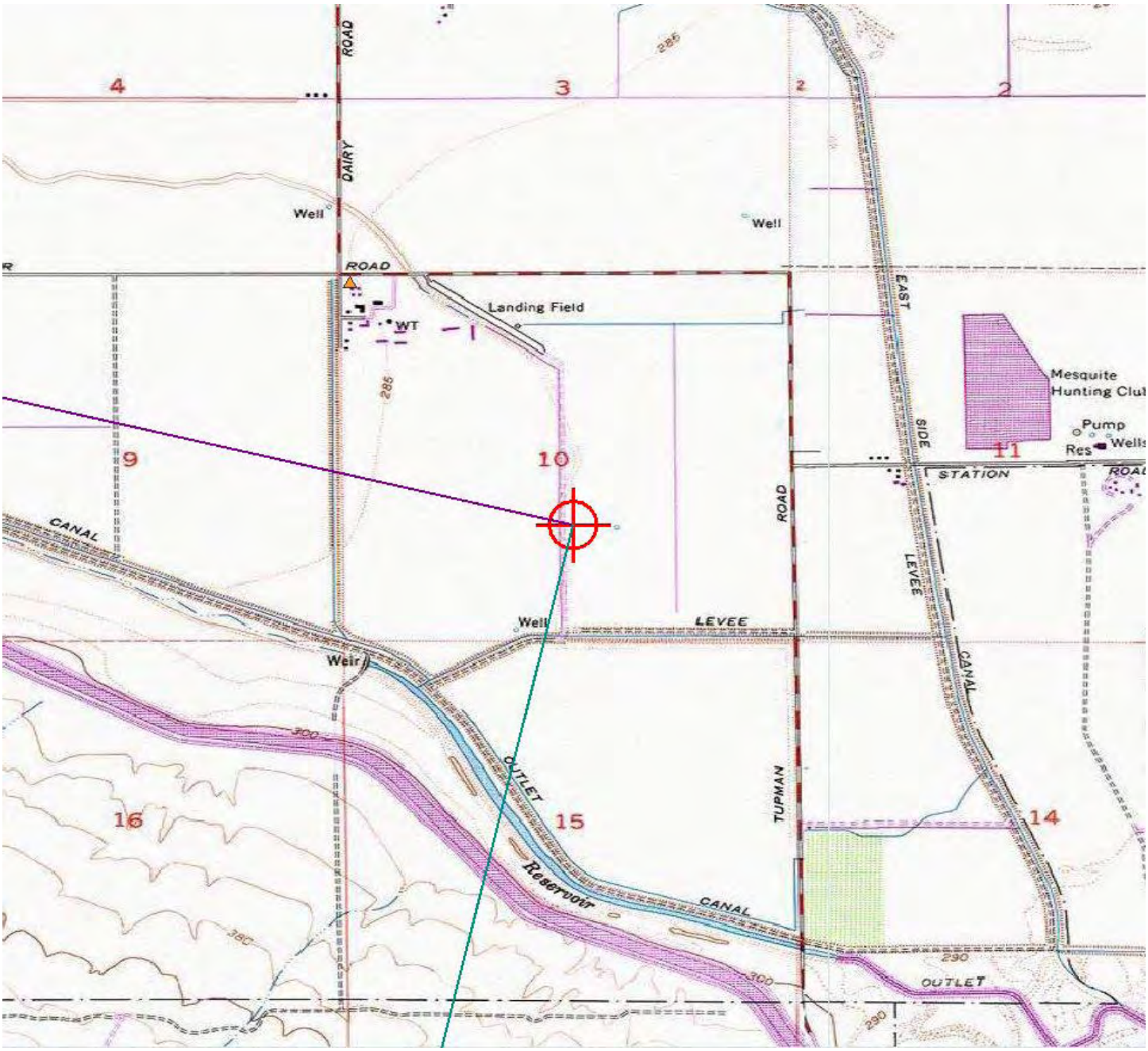
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1084-OE.

Signature Control No: 680936-123001372 (DNE)
Karen McDonald
Specialist

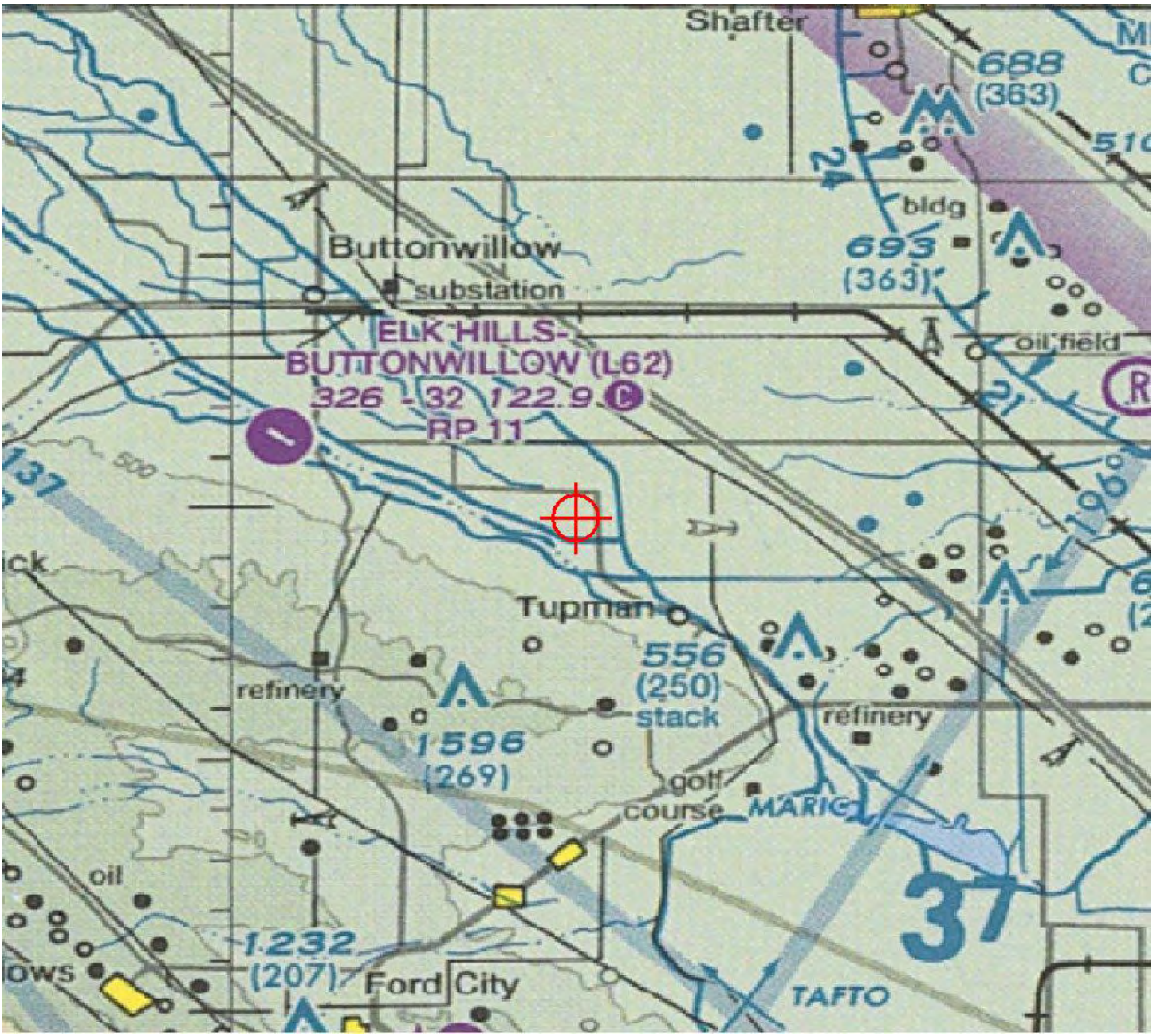
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1084-OE



Sectional Map for ASN 2010-AWP-1084-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1085-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #11(b) - Gasifier Warming Vent (b)
Location:	Bakersfield, CA
Latitude:	35-19-50.08N NAD 83
Longitude:	119-23-06.58W
Heights:	210 feet above ground level (AGL)
	499 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 210 feet above ground level (499 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

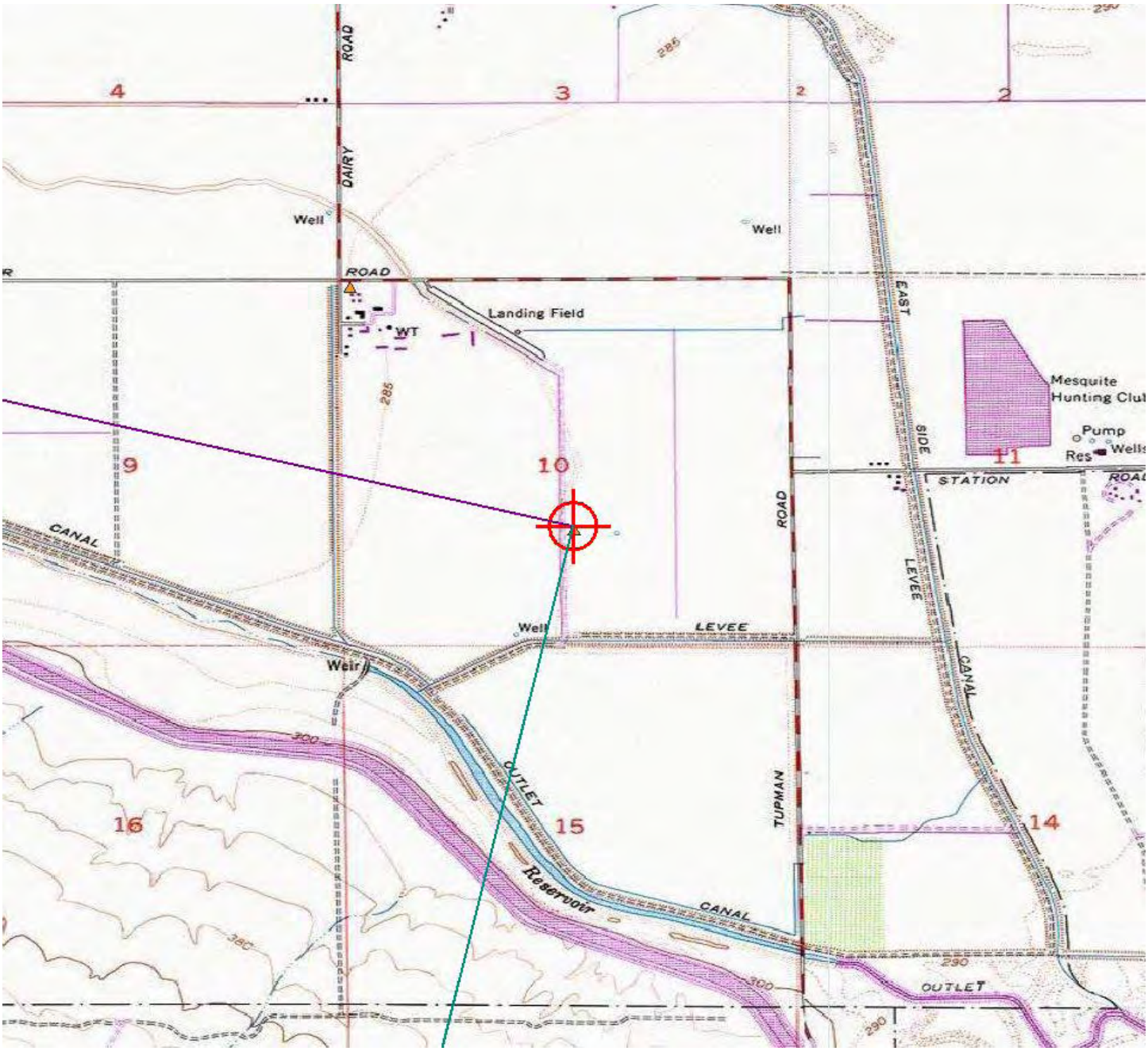
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1085-OE.

Signature Control No: 680937-123001376 (DNE)
Karen McDonald
Specialist

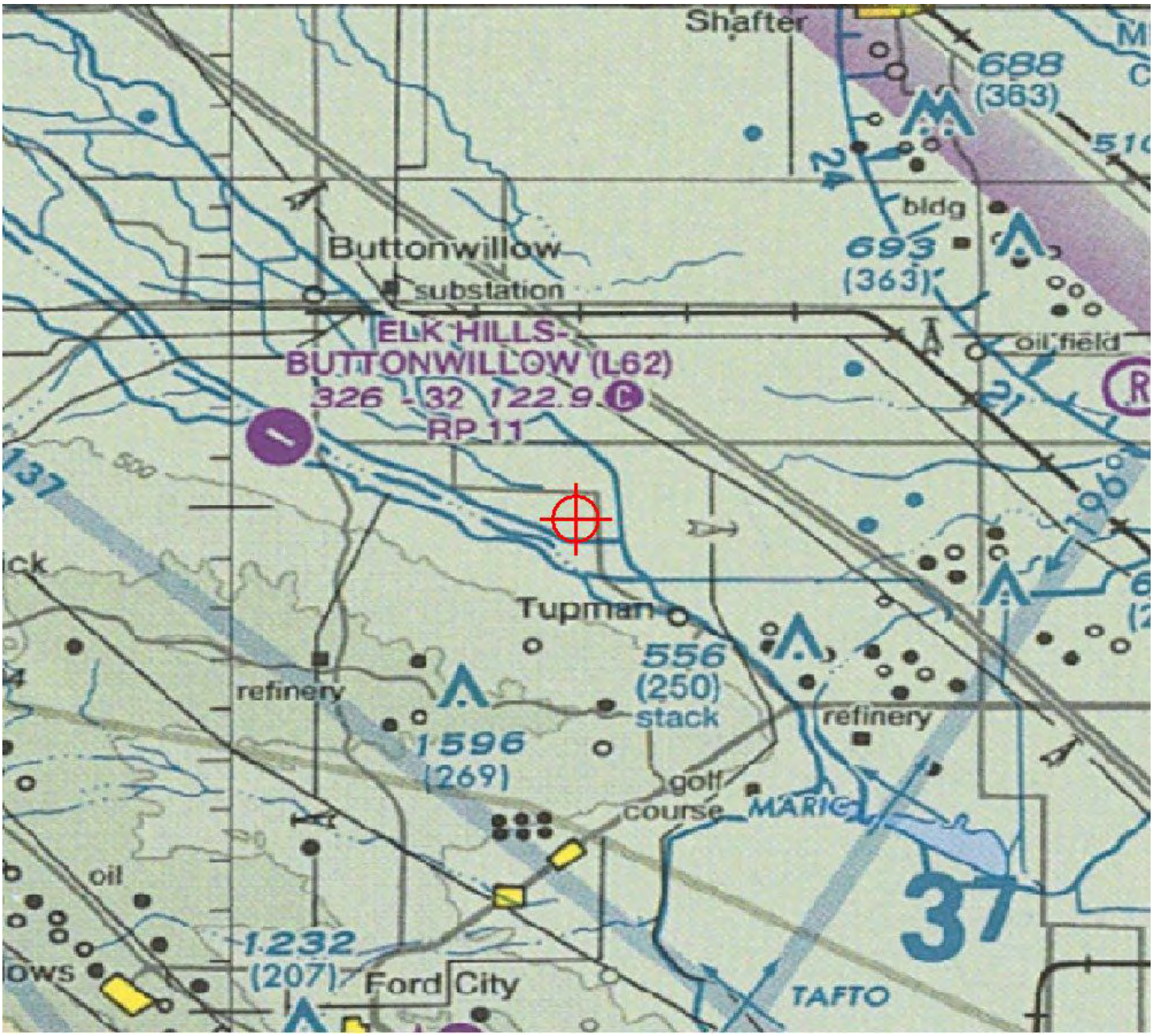
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1085-OE



Sectional Map for ASN 2010-AWP-1085-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1086-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #11(a) - Gasifier Warming Vent (a)
Location:	Bakersfield, CA
Latitude:	35-19-50.87N NAD 83
Longitude:	119-23-06.58W
Heights:	210 feet above ground level (AGL)
	499 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

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__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 210 feet above ground level (499 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

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This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

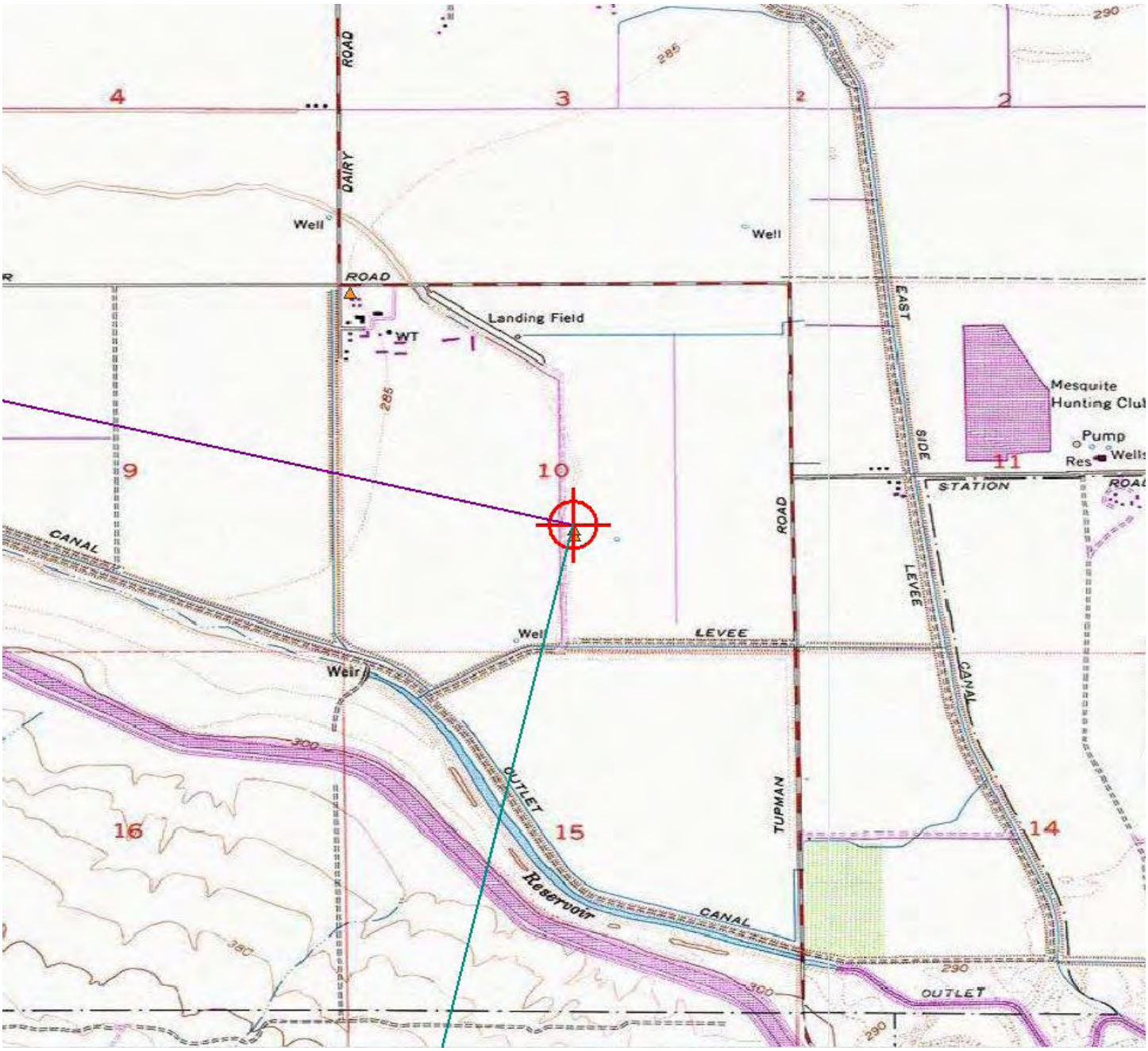
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1086-OE.

Signature Control No: 680938-123001373 (DNE)
Karen McDonald
Specialist

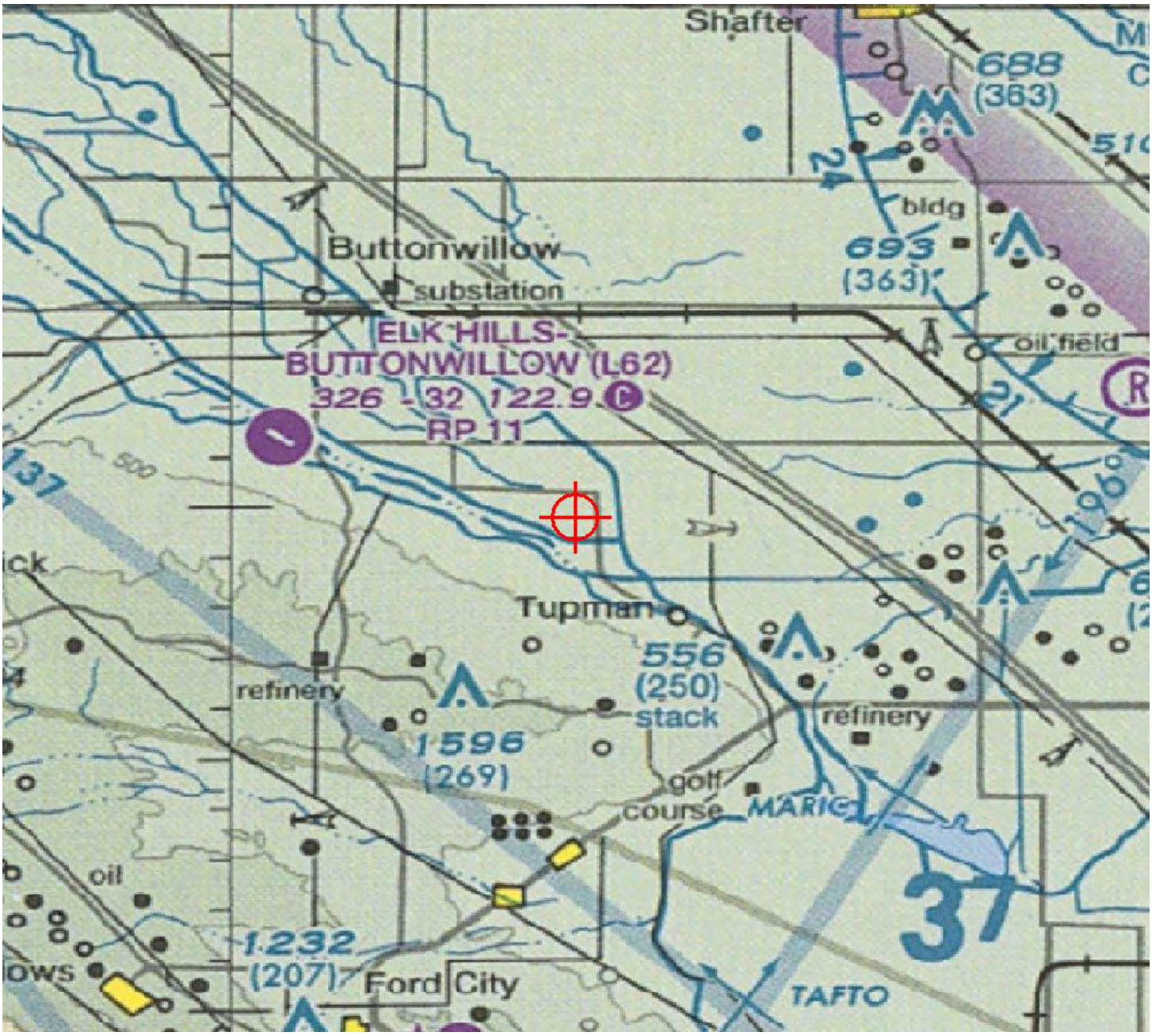
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1086-OE



Sectional Map for ASN 2010-AWP-1086-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1087-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #13 - Rectisol Flare
Location:	Bakersfield, CA
Latitude:	35-19-55.17N NAD 83
Longitude:	119-23-12.58W
Heights:	250 feet above ground level (AGL)
	539 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 250 feet above ground level (539 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

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(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

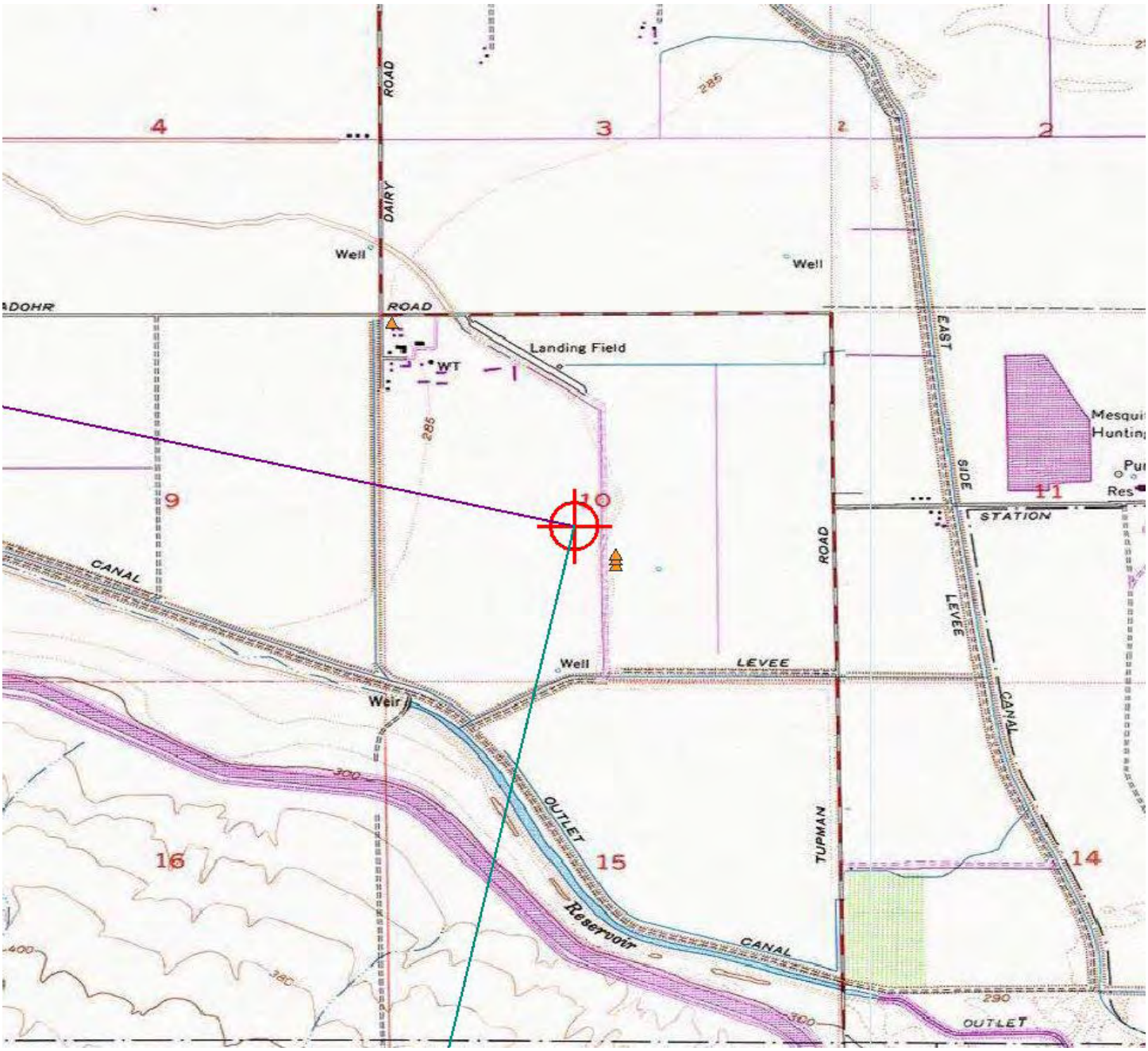
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1087-OE.

Signature Control No: 680939-123001371 (DNE)
Karen McDonald
Specialist

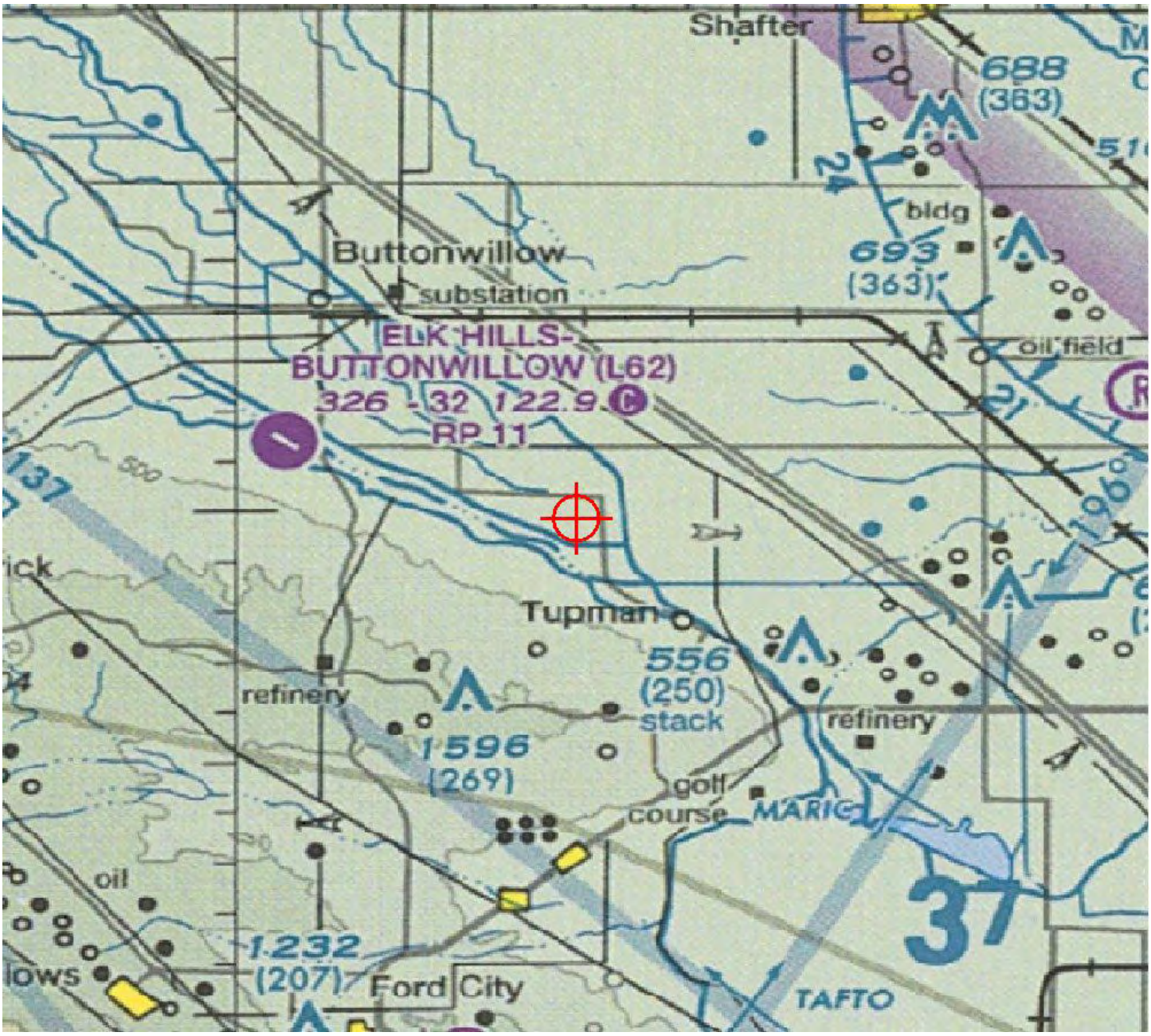
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1087-OE



Sectional Map for ASN 2010-AWP-1087-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1088-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #10 - Gasification Flare
Location:	Bakersfield, CA
Latitude:	35-19-55.06N NAD 83
Longitude:	119-23-12.58W
Heights:	250 feet above ground level (AGL)
	539 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

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(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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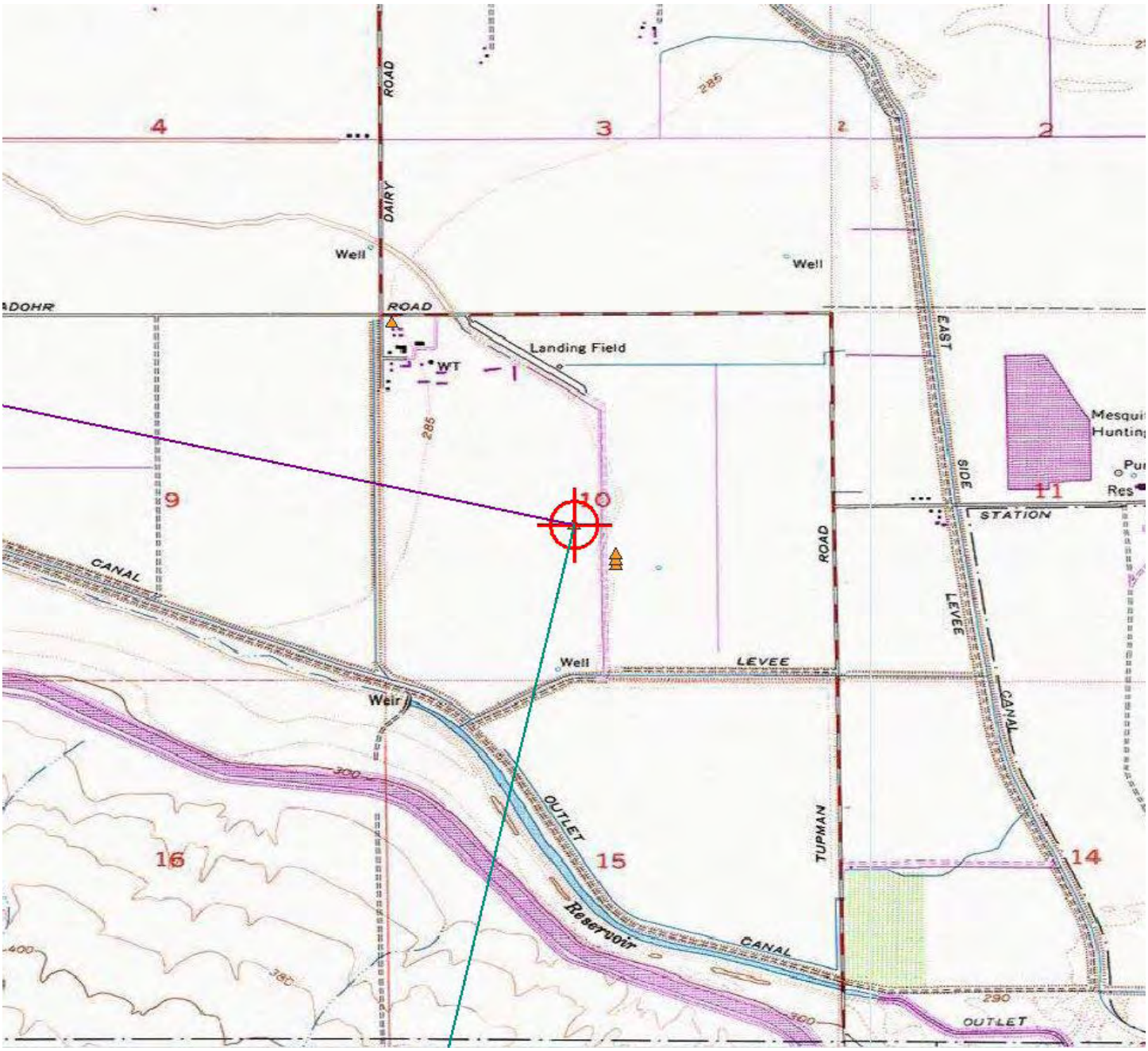
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1088-OE.

Signature Control No: 680940-123001370 (DNE)
Karen McDonald
Specialist

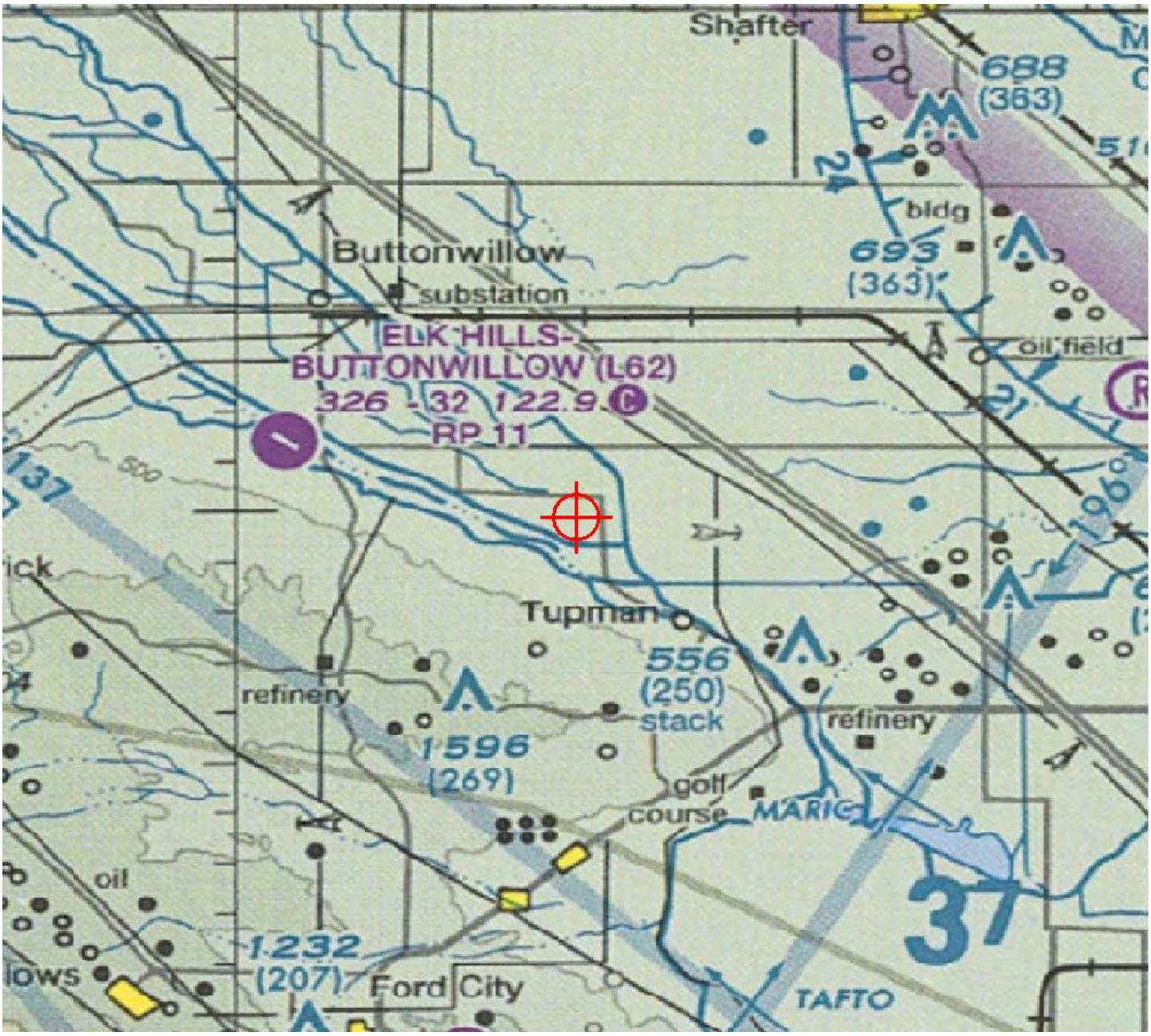
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1088-OE



Sectional Map for ASN 2010-AWP-1088-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1089-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #I2 - Acid Gas Removal Methanol Wash Column
Location:	Bakersfield, CA
Latitude:	35-19-47.63N NAD 83
Longitude:	119-23-11.04W
Heights:	235 feet above ground level (AGL)
	524 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 235 feet above ground level (524 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

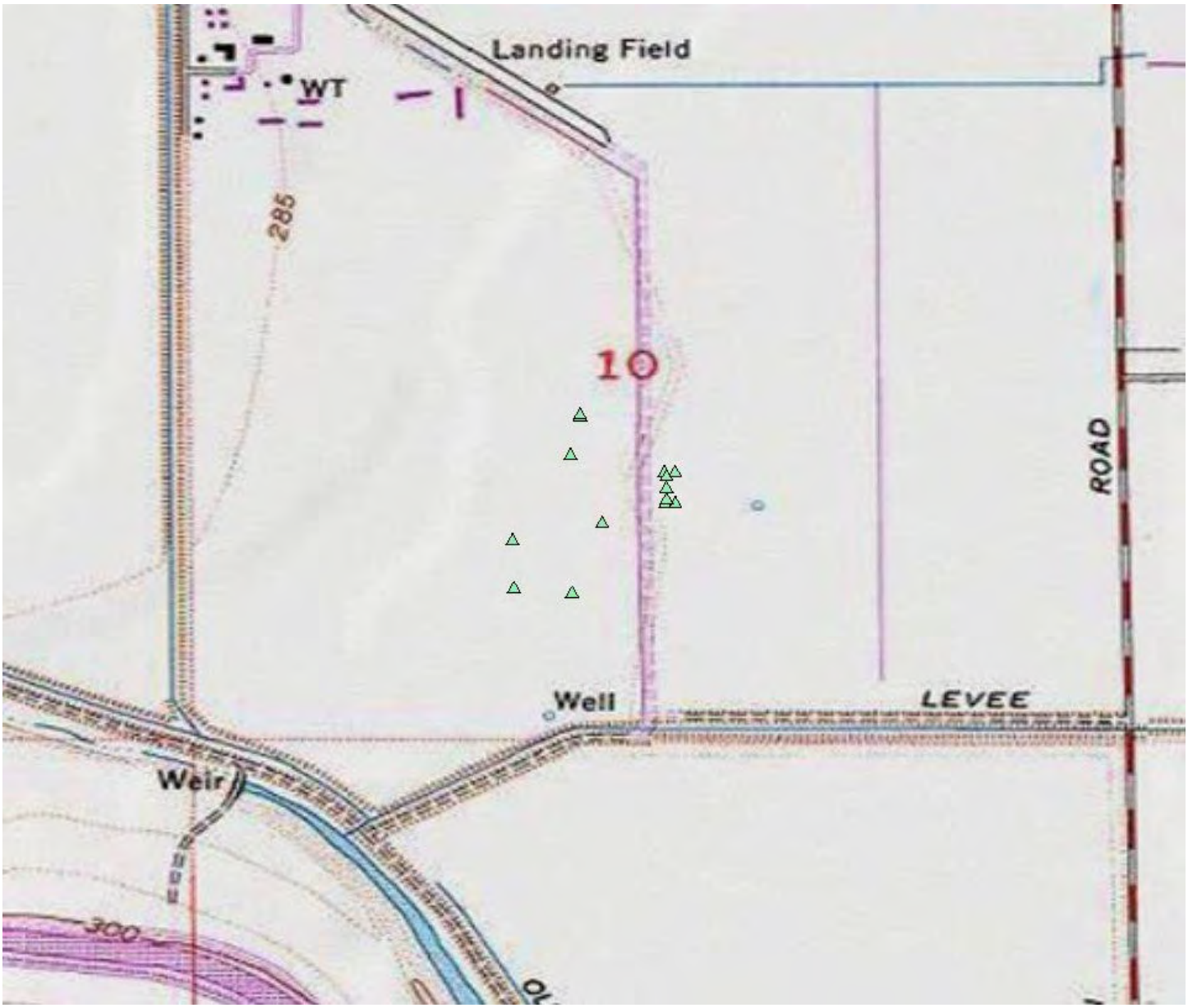
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1089-OE.

Signature Control No: 680941-123001379 (DNE)
Karen McDonald
Specialist

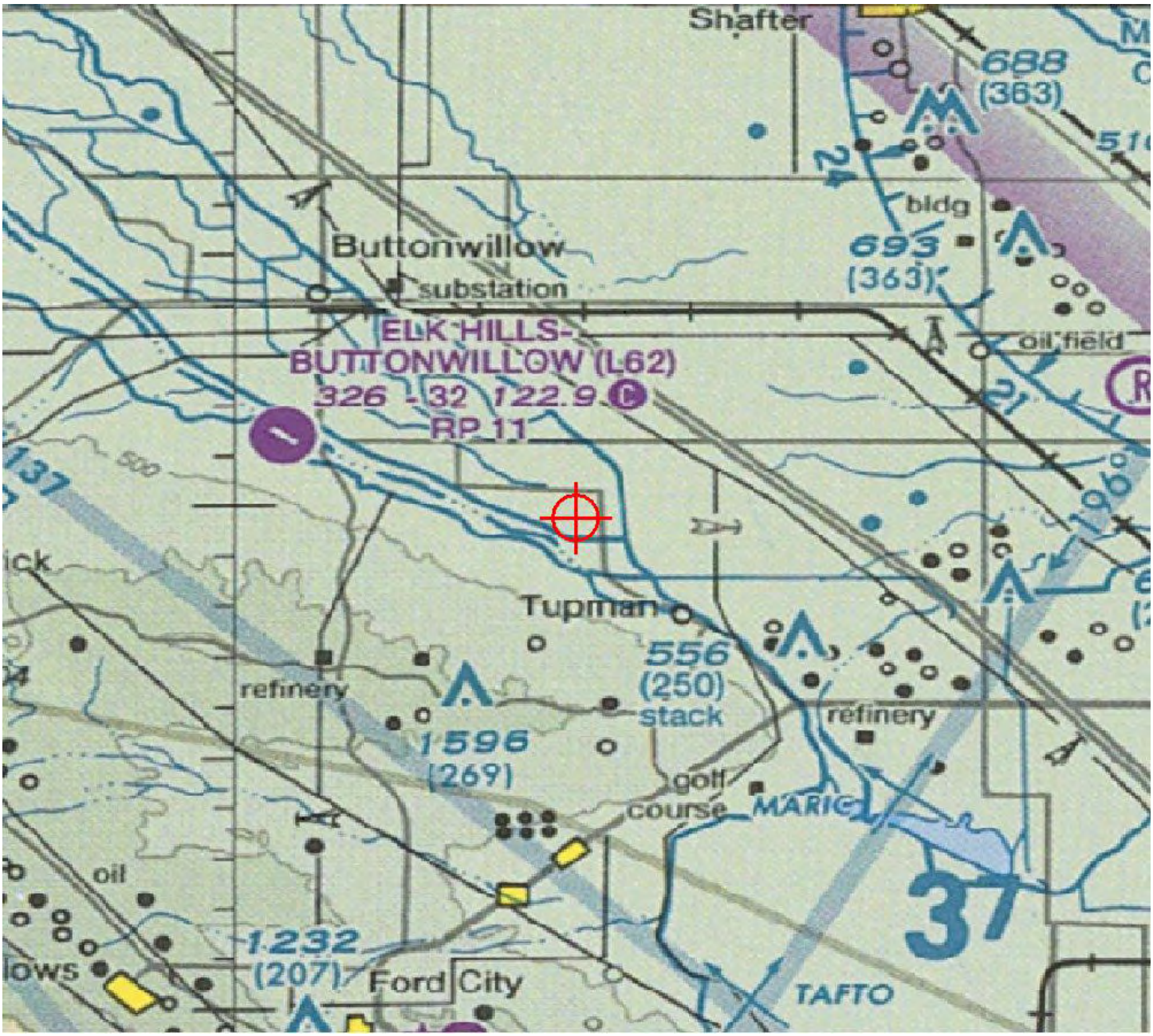
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1089-OE



Sectional Map for ASN 2010-AWP-1089-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1090-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #C - Air Separation Column Can
Location:	Bakersfield, CA
Latitude:	35-19-43.13N NAD 83
Longitude:	119-23-17.16W
Heights:	205 feet above ground level (AGL)
	494 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 205 feet above ground level (494 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

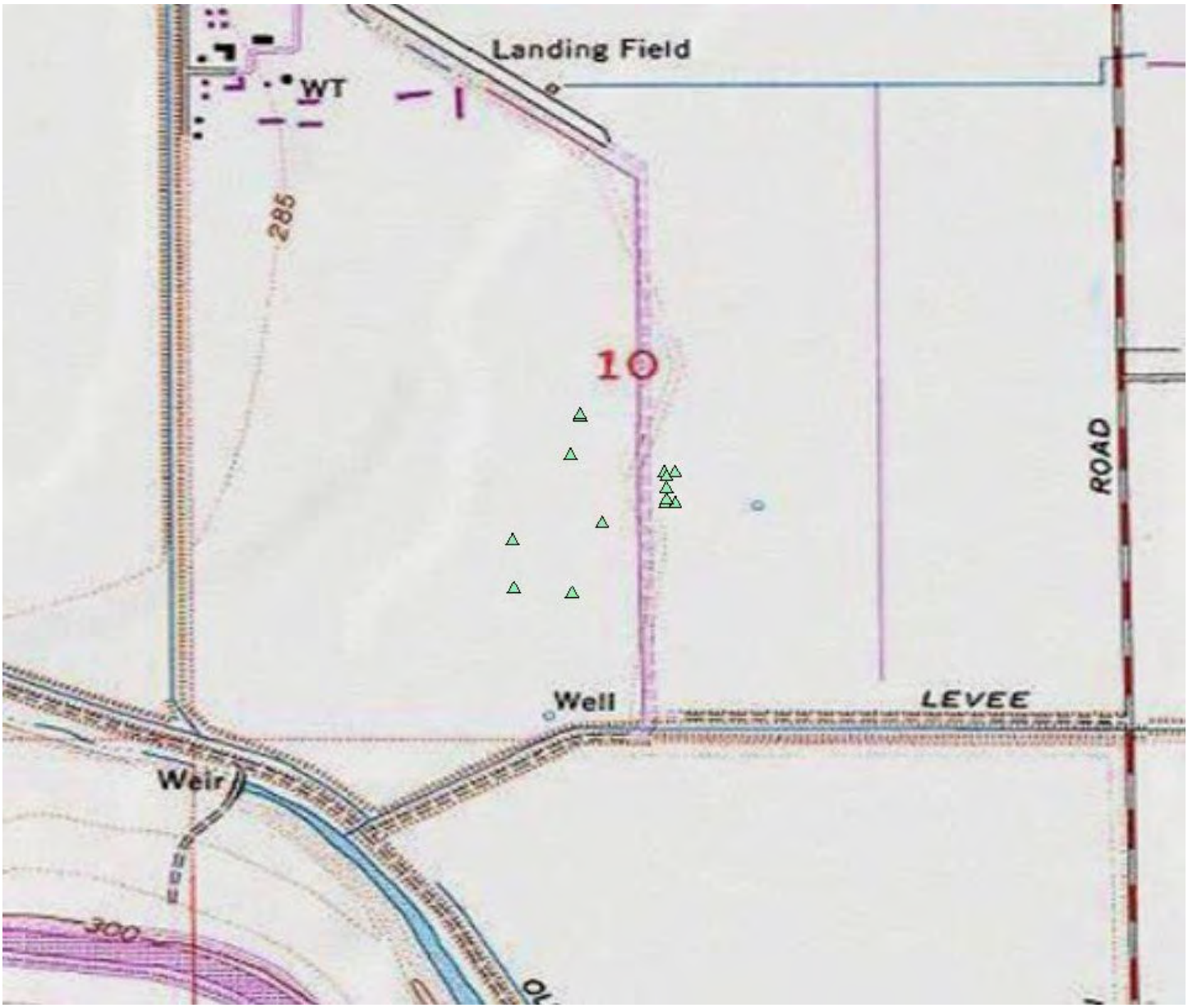
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1090-OE.

Signature Control No: 680942-123001377 (DNE)
Karen McDonald
Specialist

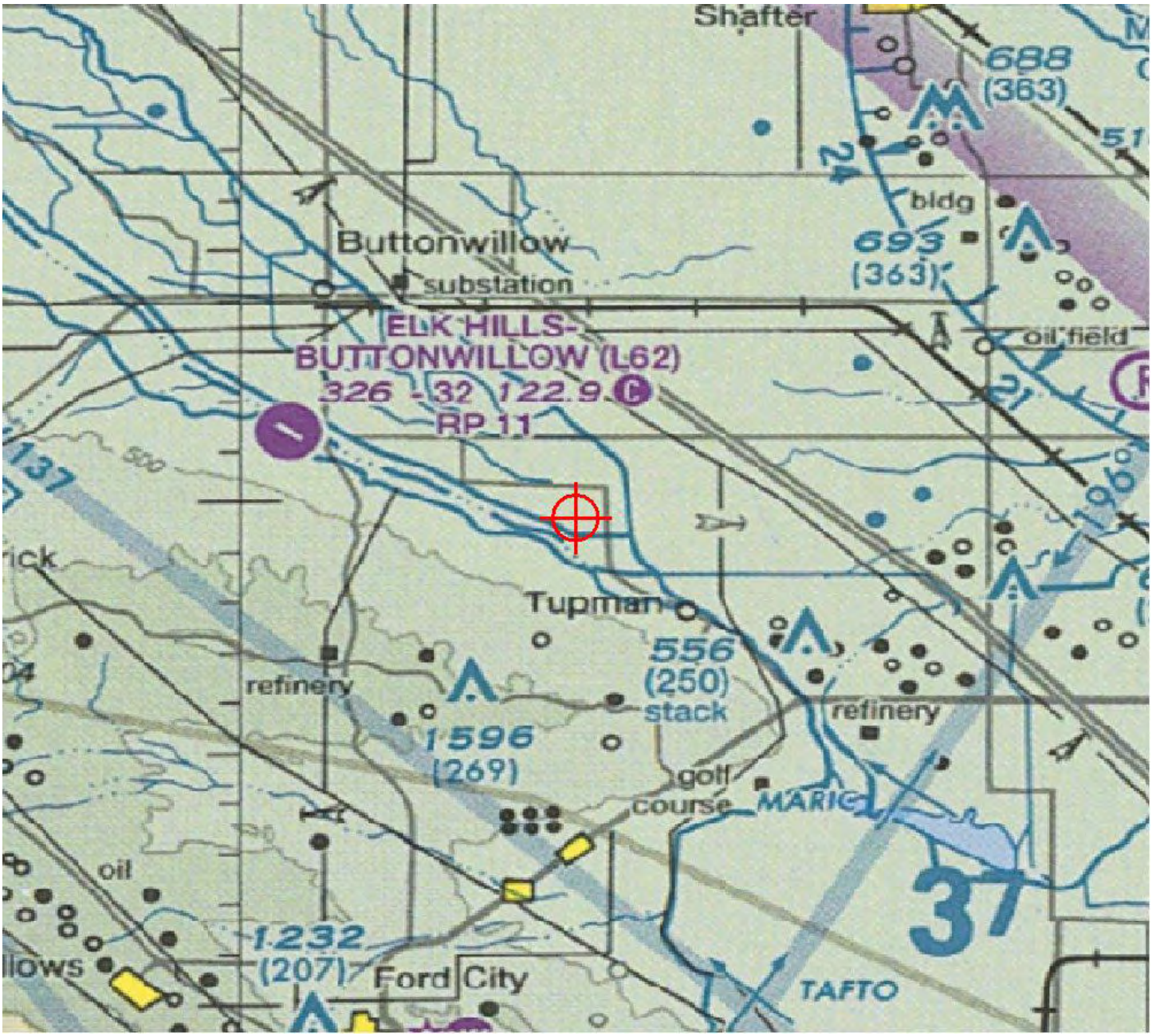
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1090-OE



Sectional Map for ASN 2010-AWP-1090-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1091-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #8 - CO2 Vent
Location:	Bakersfield, CA
Latitude:	35-19-52.36N NAD 83
Longitude:	119-23-13.24W
Heights:	260 feet above ground level (AGL)
	549 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 260 feet above ground level (549 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

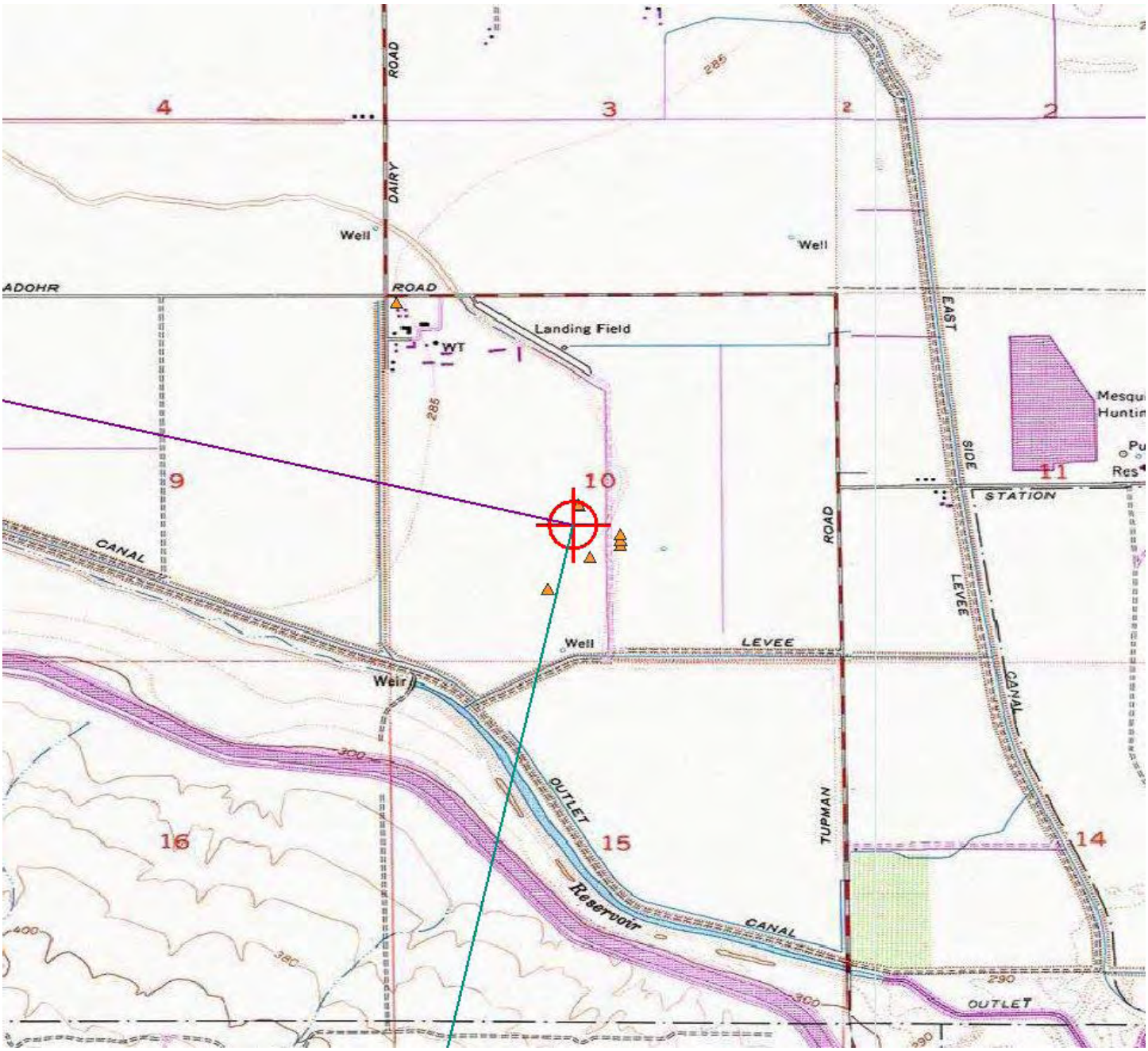
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1091-OE.

Signature Control No: 680943-123001378 (DNE)
Karen McDonald
Specialist

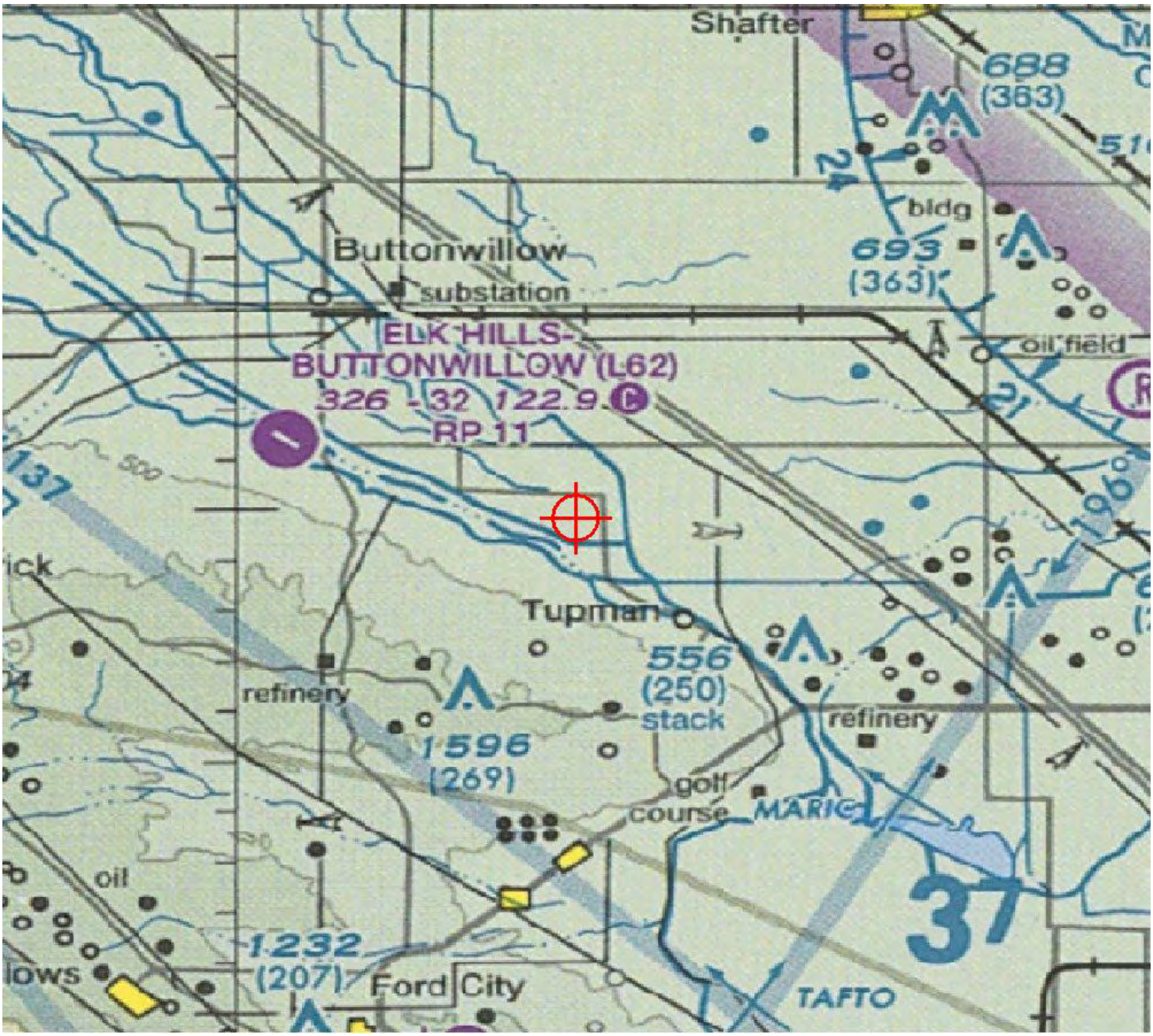
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1091-OE



Sectional Map for ASN 2010-AWP-1091-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1092-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #4 - Heat Recovery Steam Generator Stack
Location:	Bakersfield, CA
Latitude:	35-19-46.44N NAD 83
Longitude:	119-23-17.26W
Heights:	213 feet above ground level (AGL)
	502 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 213 feet above ground level (502 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

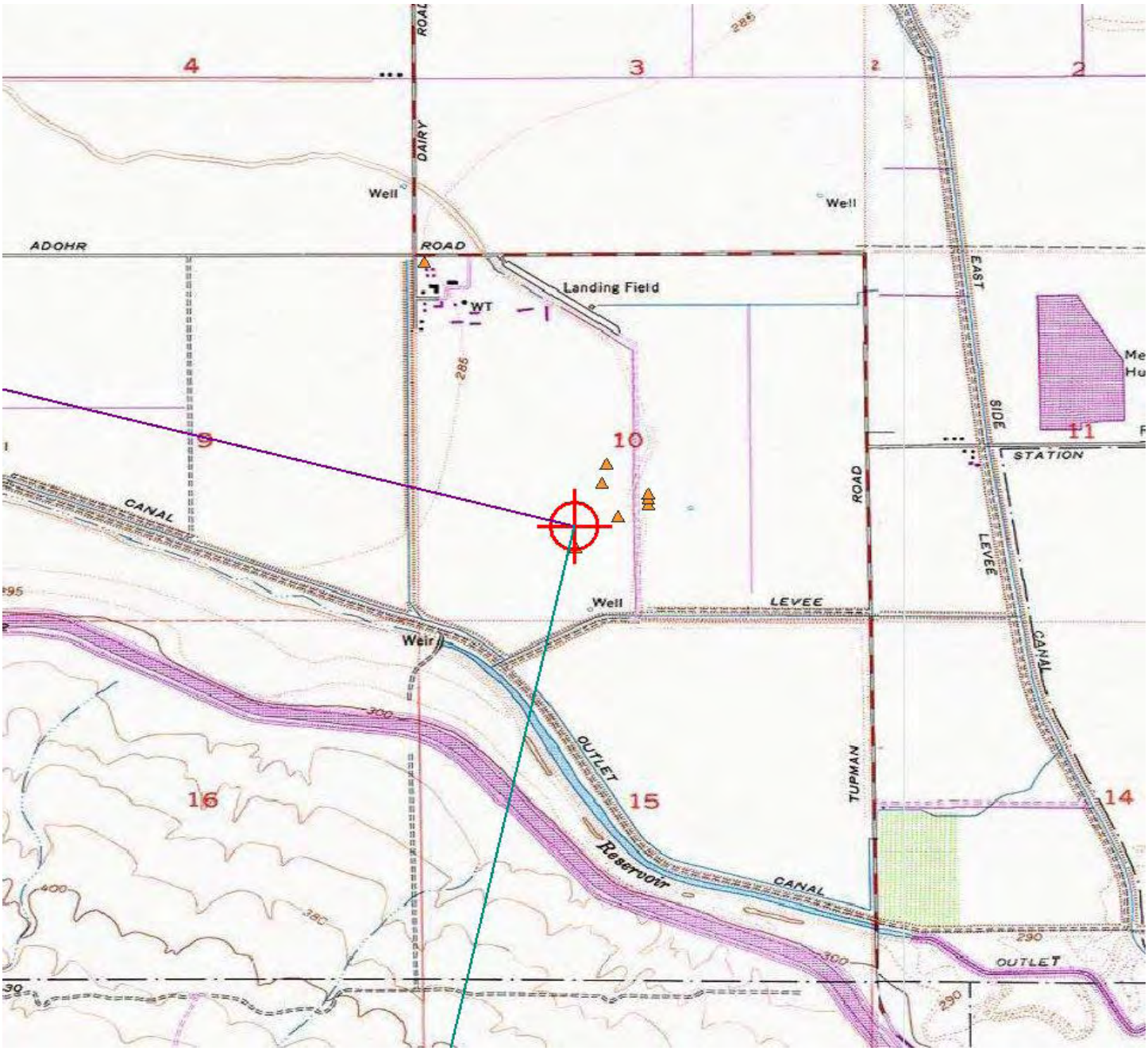
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1092-OE.

Signature Control No: 680944-123001374 (DNE)
Karen McDonald
Specialist

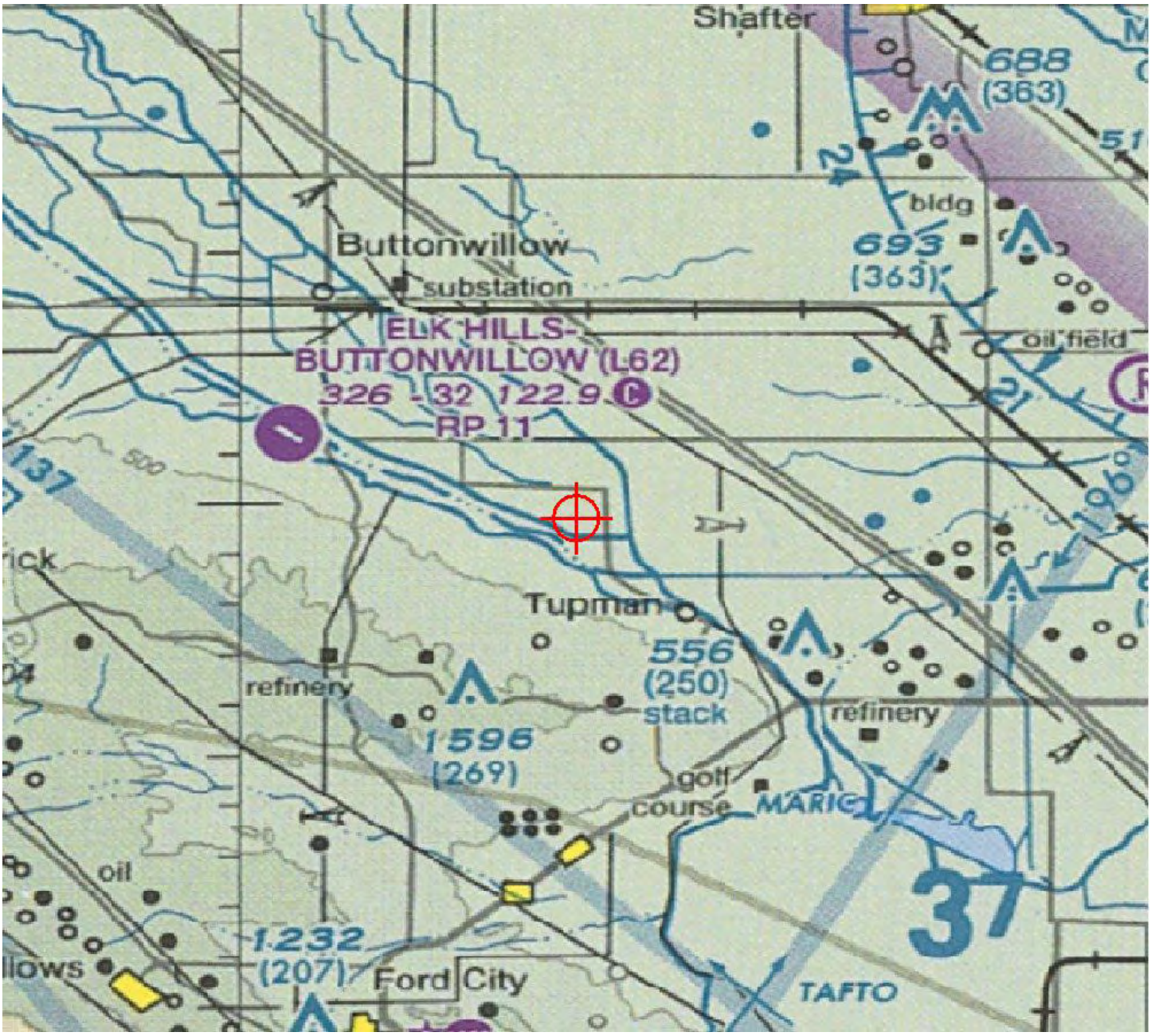
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1092-OE



Sectional Map for ASN 2010-AWP-1092-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1093-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #G(SE) - Gasification Structure (SE Corner)
Location:	Bakersfield, CA
Latitude:	35-19-49.00N NAD 83
Longitude:	119-23-05.96W
Heights:	200 feet above ground level (AGL)
	489 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

Any height exceeding 200 feet above ground level (489 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

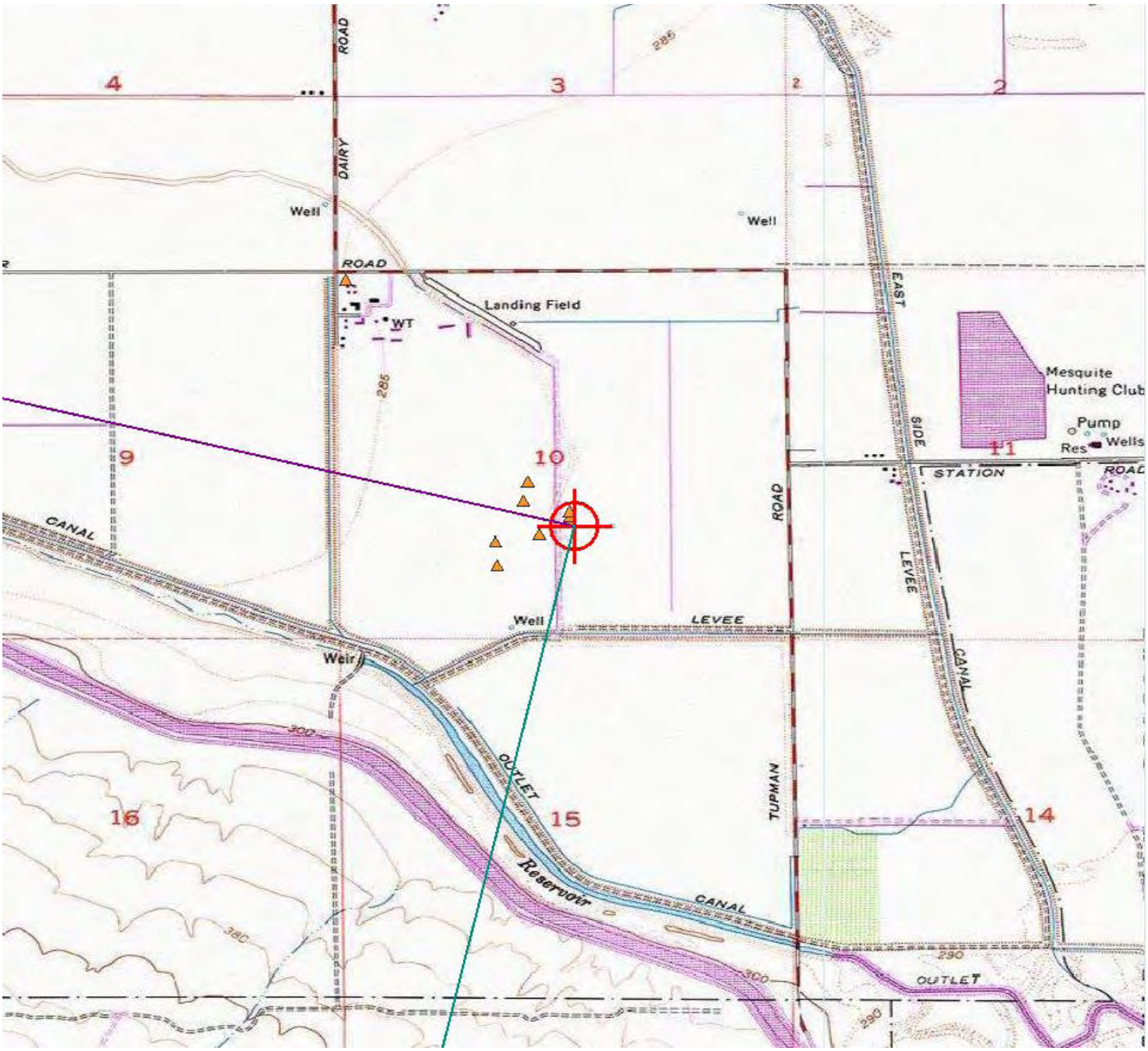
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1093-OE.

Signature Control No: 680945-123001360 (DNE)
Karen McDonald
Specialist

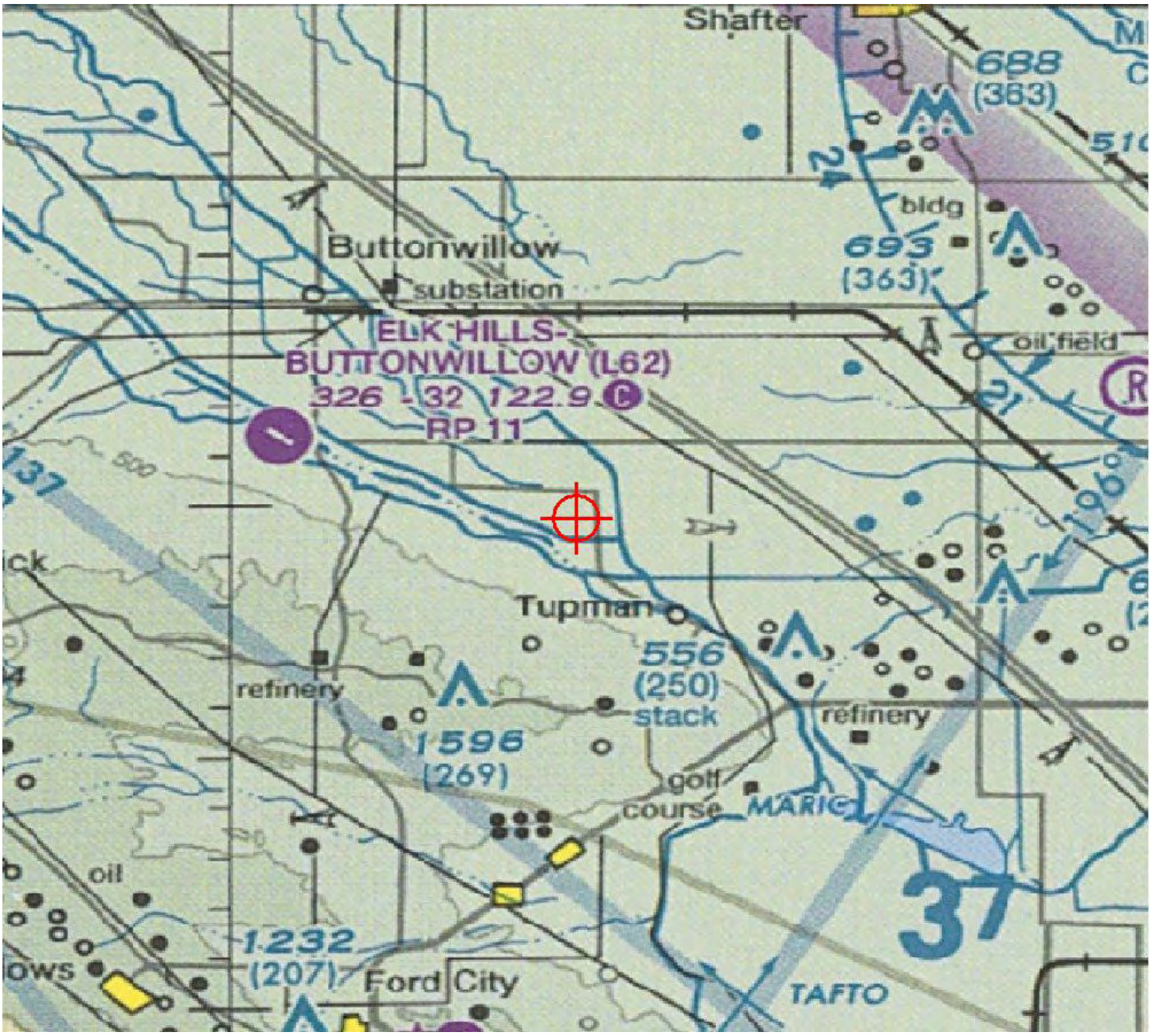
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1093-OE



Sectional Map for ASN 2010-AWP-1093-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1094-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #G(SW) - Gasification Structure (SW Corner)
Location:	Bakersfield, CA
Latitude:	35-19-48.99N NAD 83
Longitude:	119-23-06.68W
Heights:	200 feet above ground level (AGL)
	489 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

Any height exceeding 200 feet above ground level (489 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

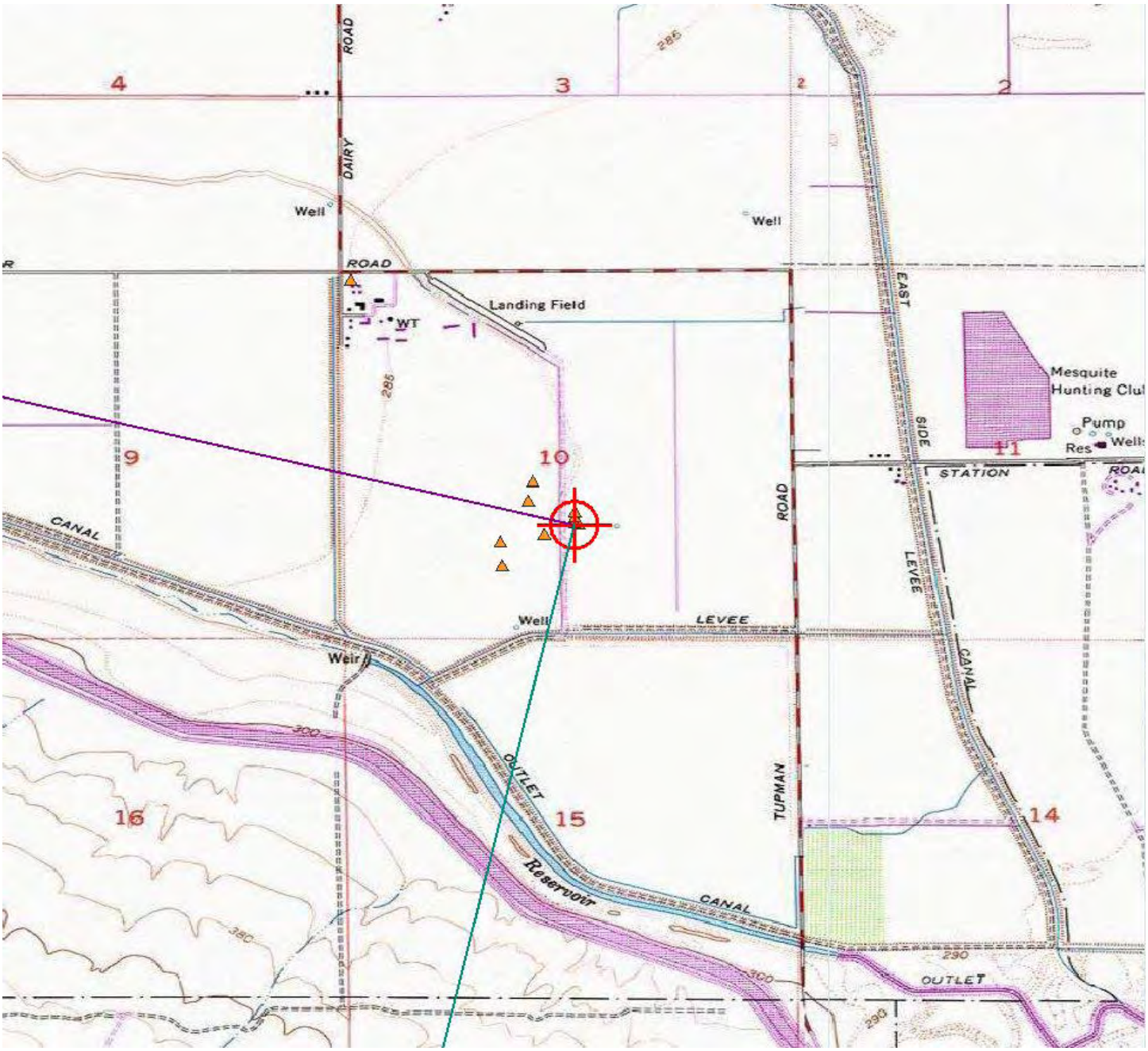
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1094-OE.

Signature Control No: 680946-123001357 (DNE)
Karen McDonald
Specialist

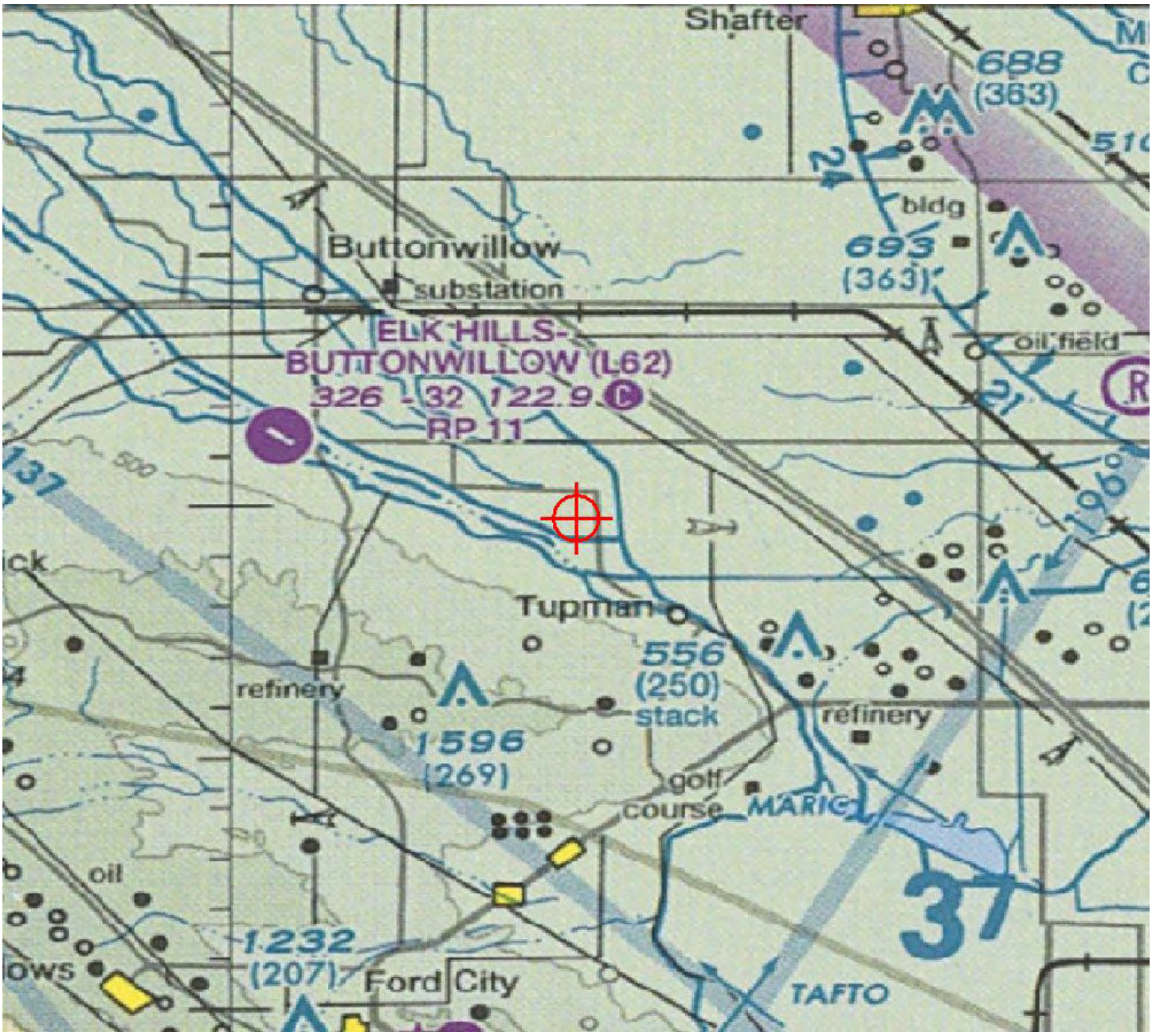
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1094-OE



Sectional Map for ASN 2010-AWP-1094-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1095-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #G(NE) - Gasification Structure (NE Corner)
Location:	Bakersfield, CA
Latitude:	35-19-51.17N NAD 83
Longitude:	119-23-05.99W
Heights:	200 feet above ground level (AGL)
	489 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

Any height exceeding 200 feet above ground level (489 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

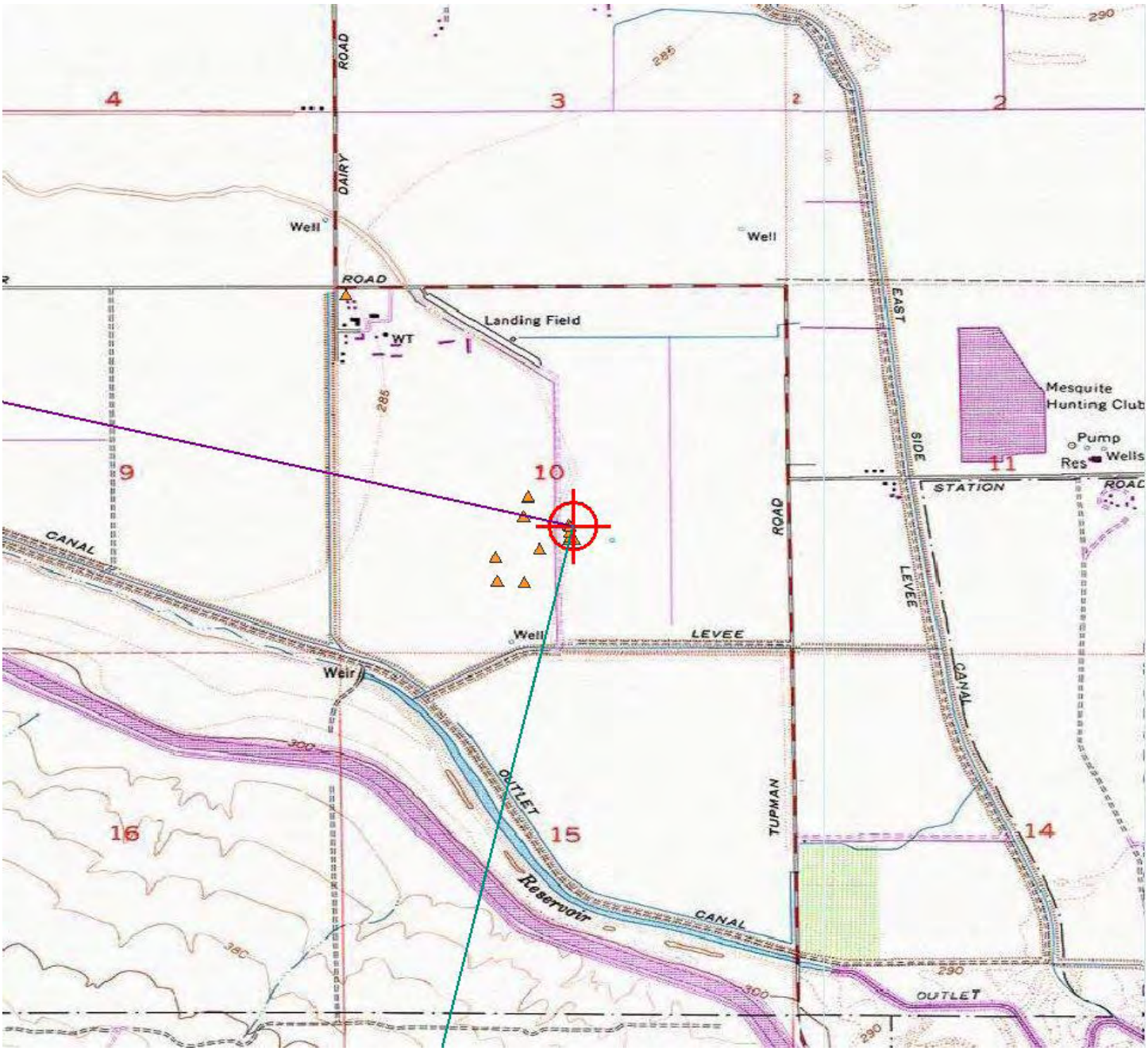
If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1095-OE.

Signature Control No: 680947-123001359 (DNE)
Karen McDonald
Specialist

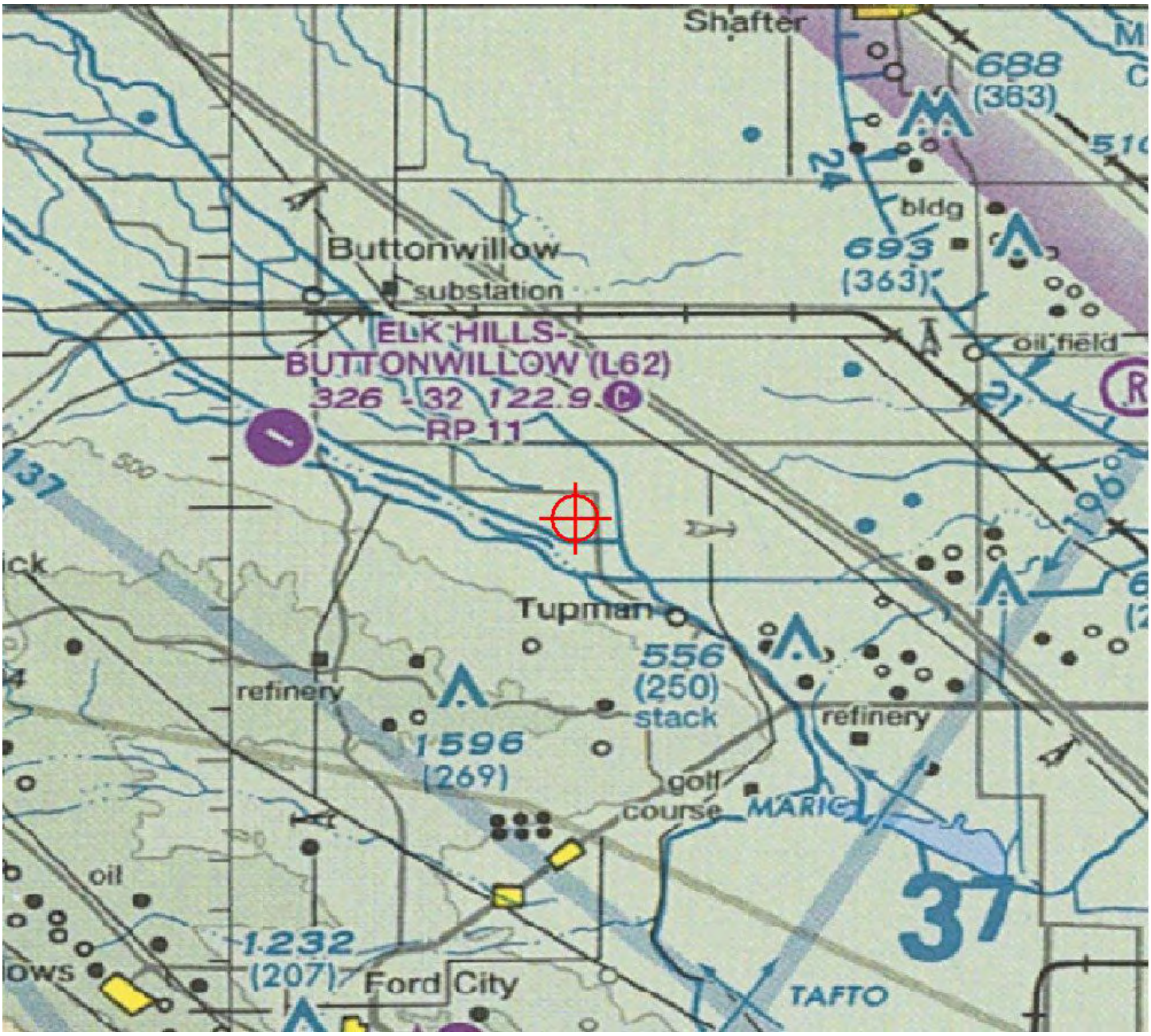
Attachment(s)
Case Description
Map(s)

Hydrogen Energy California LLC is proposing to build an
Integrated Gasification Combined Cycle power generating facility called Hydrogen Energy
California (HECA) Project. Various structures associated with the HECA Project will exceed 200 feet above ground level.

Verified Map for ASN 2010-AWP-1095-OE



Sectional Map for ASN 2010-AWP-1095-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1096-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building #G(NW) - Gasification Structure (NW Corner)
Location:	Bakersfield, CA
Latitude:	35-19-51.16N NAD 83
Longitude:	119-23-06.72W
Heights:	200 feet above ground level (AGL)
	489 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

Any height exceeding 200 feet above ground level (489 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1096-OE.

Signature Control No: 680948-123001358 (DNE)
Karen McDonald
Specialist

Attachment(s)
Case Description
Map(s)

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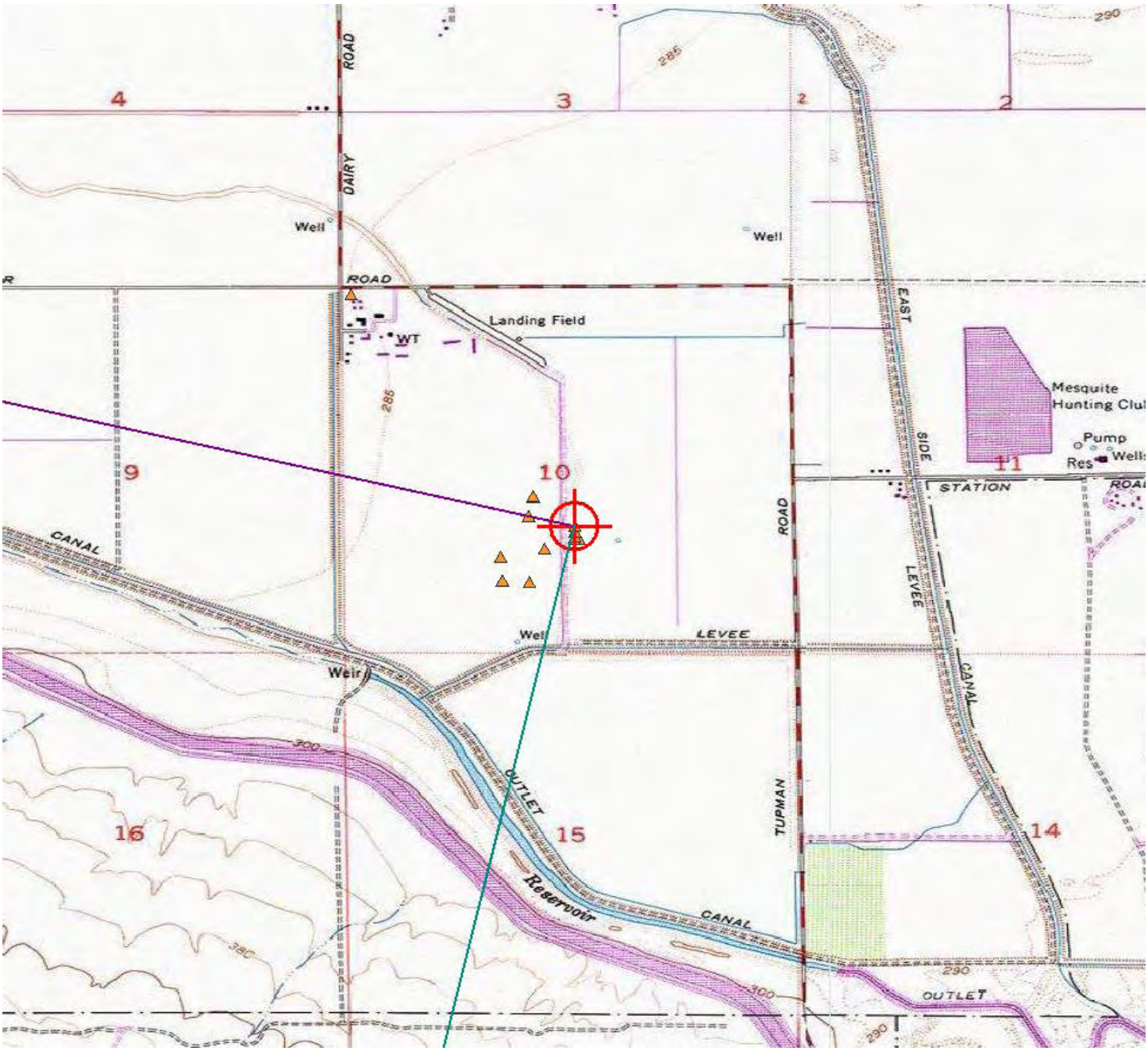
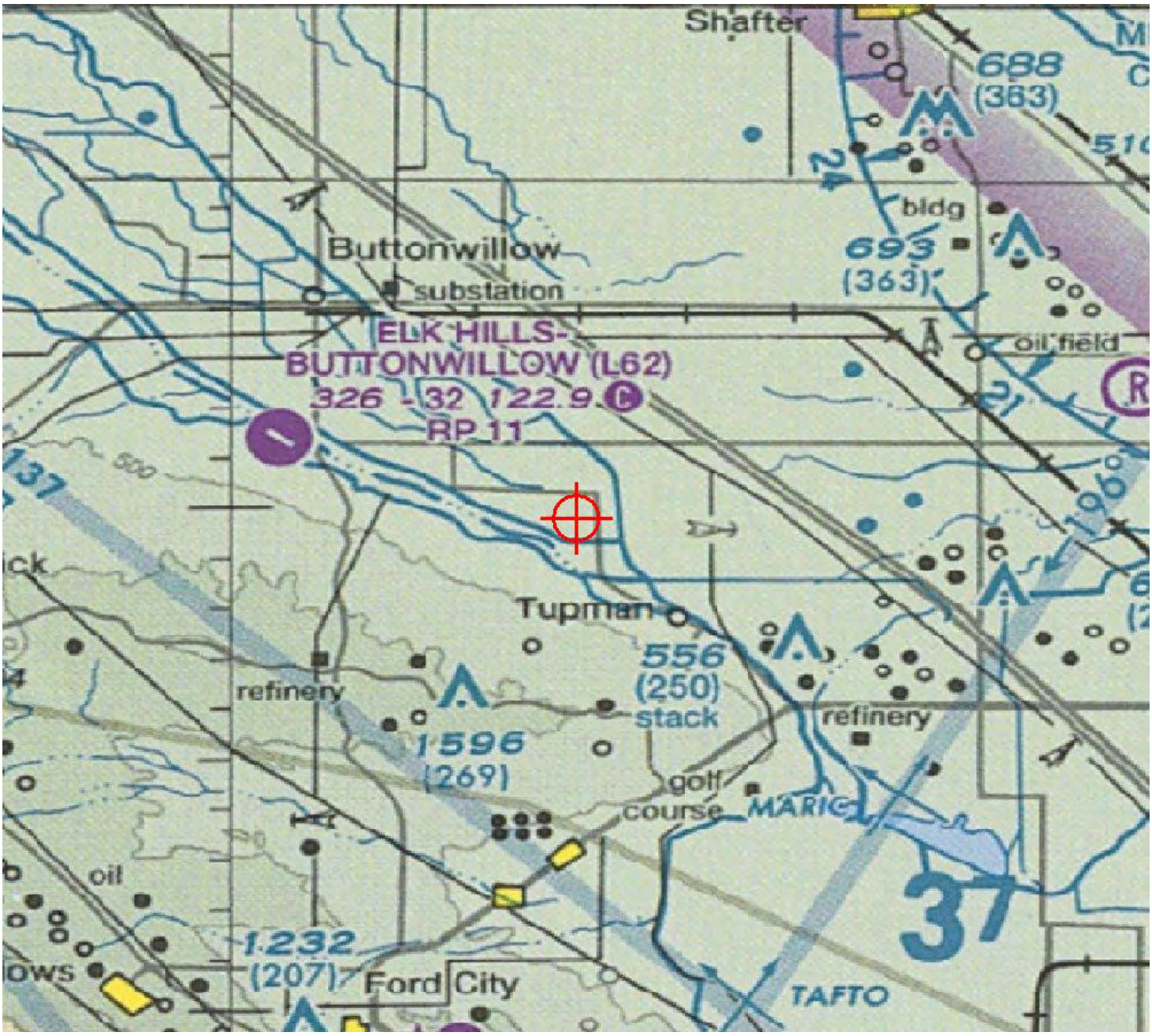


Sectional Map for ASN 2010-AWP-1096-OE



Federal Aviation Administration
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-0520

Aeronautical Study No.
2010-AWP-1097-OE

Issued Date: 02/23/2010

Mr. Gregory D. Skannal, HSSE Manager
Hydrogen Energy California LLC
1500 Hughes Way, Pod B
Long Beach, CA 90810

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Stack #9 - Sulfur Recovery Unit Flare
Location:	Bakersfield, CA
Latitude:	35-19-42.80N NAD 83
Longitude:	119-23-13.13W
Heights:	250 feet above ground level (AGL)
	539 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked and/or lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, red lights - Chapters 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part I)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 250 feet above ground level (539 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 08/23/2011 unless:

(a) extended, revised or terminated by the issuing office.
(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE POSTMARKED OR DELIVERED TO THIS OFFICE AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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If we can be of further assistance, please contact our office at (310) 725-6557. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2010-AWP-1097-OE.

Signature Control No: 680949-123001375 (DNE)
Karen McDonald
Specialist

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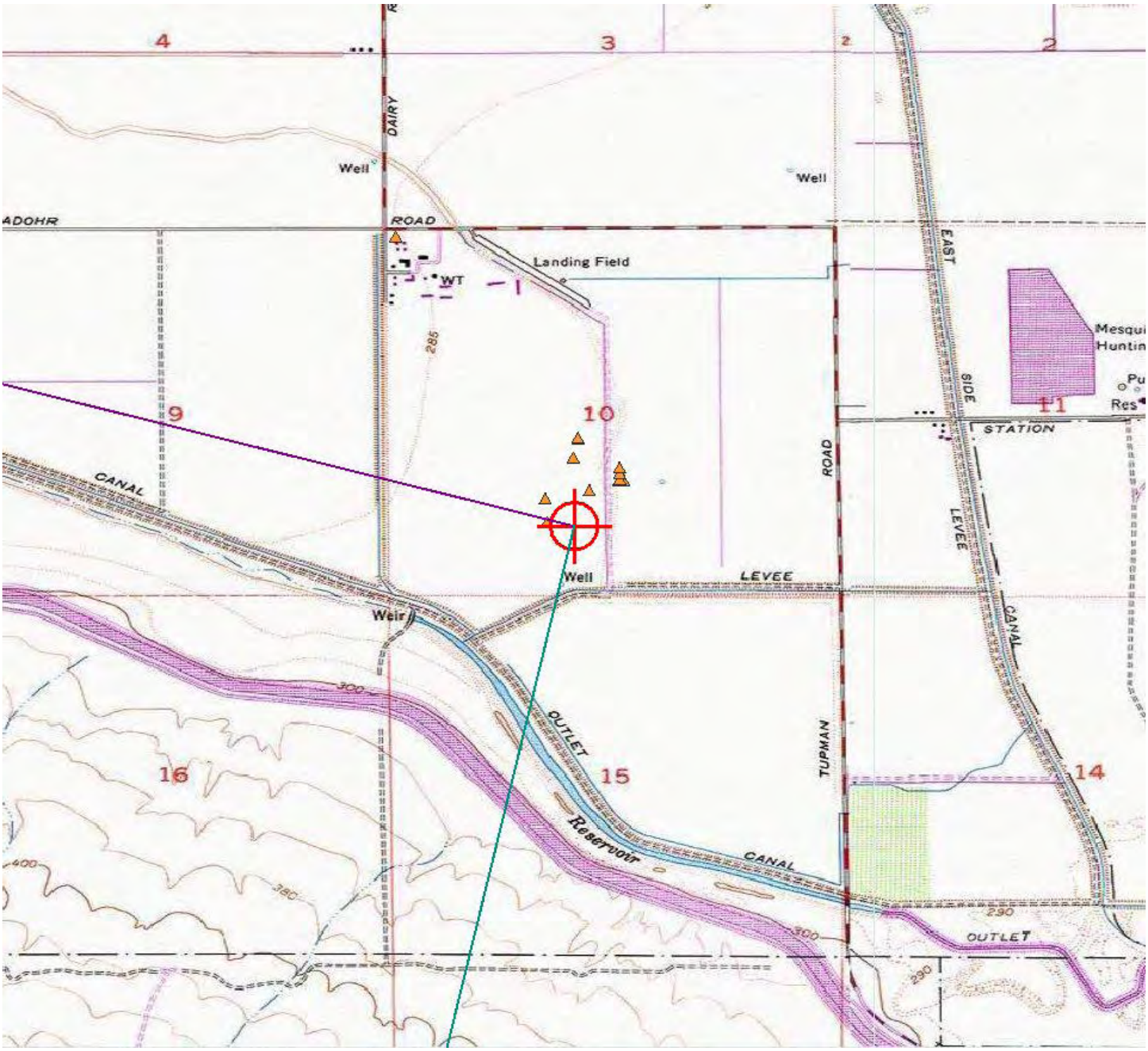

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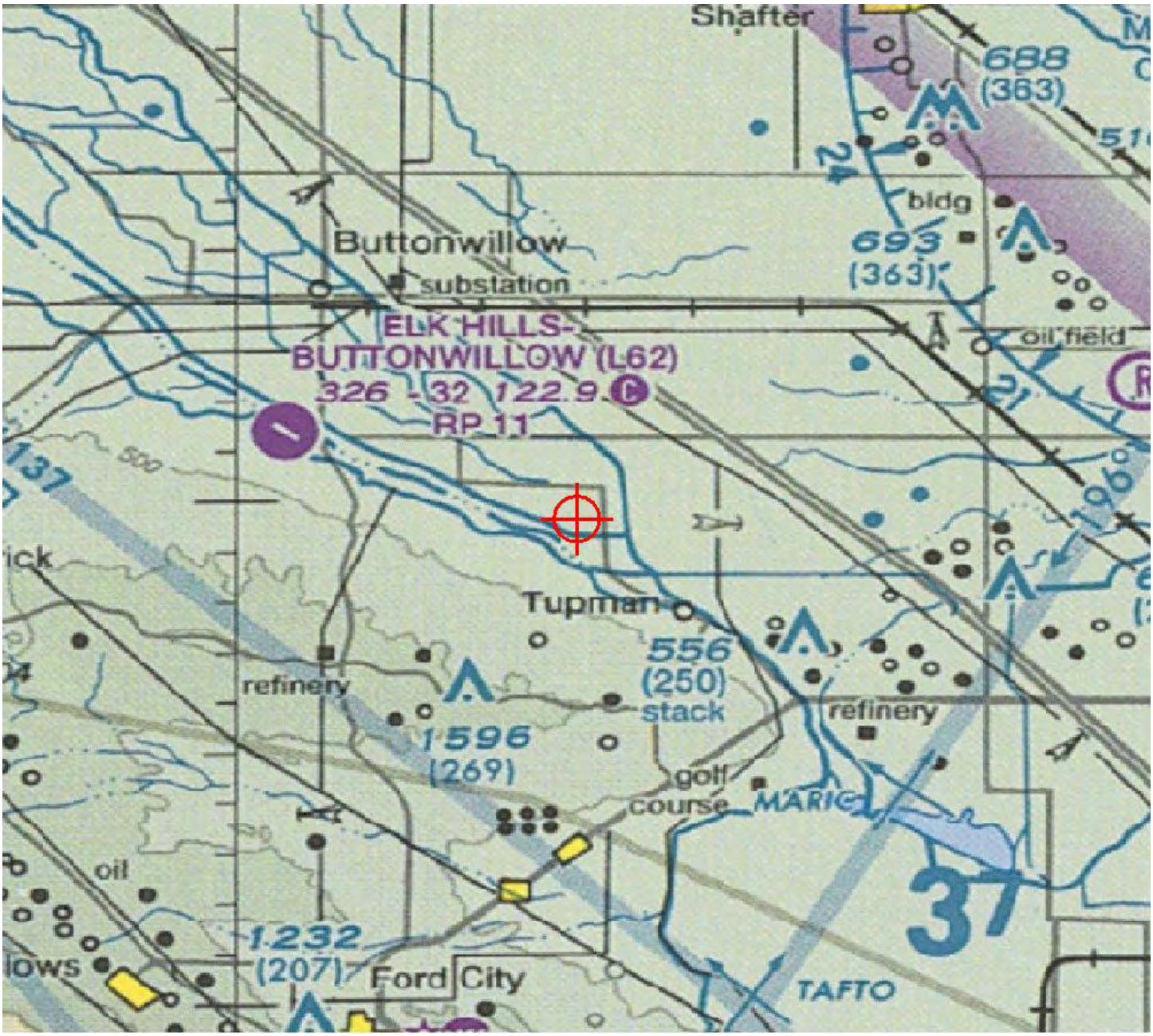

BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV

APPLICATION FOR CERTIFICATION FOR THE *HYDROGEN ENERGY CALIFORNIA PROJECT*

Docket No. 08-AFC-8

PROOF OF SERVICE LIST
(Rev. 2/8/10)

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DECLARATION OF SERVICE

I, Dale Shileikis, declare that on March 3, 2010, I served and filed copies of the attached (1) FAA Form 7460 Determinations and (2) Letter from Tejon Tribe, dated February 23 and February 7, 2010, respectively. The original documents, filed with the Docket Unit, are 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/hydrogen_energy]**.

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 San Francisco, California with first-class 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. 08-AFC-8
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.